Appendix

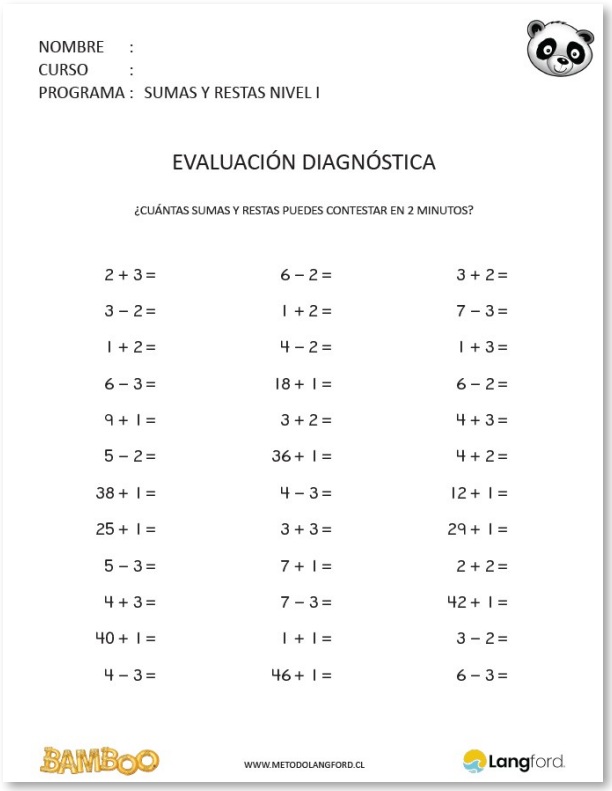
Appendix A: Results of Bamboo Addition and Subtraction Level 1 Program

- **Year 1, 2, and 3**
- **Students Assessed: 2,800**

Assessment Instrument

Students were assessed before the program began and again roughly three months later, using two matched 36-question tests with a strict 2-minute time limit

Initial Assessment



NOMBRE :
CURSO :
PROGRAMA : SUMAS Y RESTAS NIVEL I

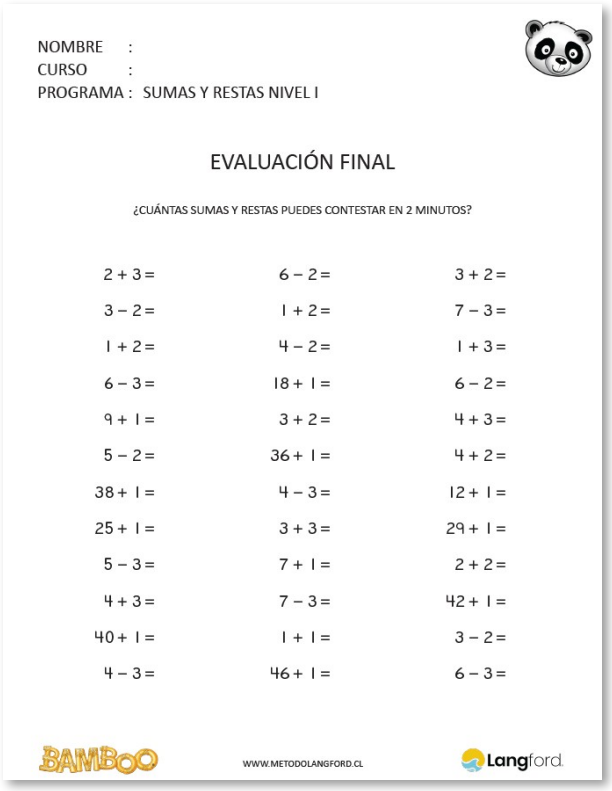
EVALUACIÓN DIAGNÓSTICA

¿CUÁNTAS SUMAS Y RESTAS PUEDES CONTESTAR EN 2 MINUTOS?

2 + 3 =	6 – 2 =	3 + 2 =
3 – 2 =	1 + 2 =	7 – 3 =
1 + 2 =	4 – 2 =	1 + 3 =
6 – 3 =	18 + 1 =	6 – 2 =
9 + 1 =	3 + 2 =	4 + 3 =
5 – 2 =	36 + 1 =	4 + 2 =
38 + 1 =	4 – 3 =	12 + 1 =
25 + 1 =	3 + 3 =	29 + 1 =
5 – 3 =	7 + 1 =	2 + 2 =
4 + 3 =	7 – 3 =	42 + 1 =
40 + 1 =	1 + 1 =	3 – 2 =
4 – 3 =	46 + 1 =	6 – 3 =

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Final Assessment



NOMBRE :
CURSO :
PROGRAMA : SUMAS Y RESTAS NIVEL I

EVALUACIÓN FINAL

¿CUÁNTAS SUMAS Y RESTAS PUEDES CONTESTAR EN 2 MINUTOS?

2 + 3 =	6 – 2 =	3 + 2 =
3 – 2 =	1 + 2 =	7 – 3 =
1 + 2 =	4 – 2 =	1 + 3 =
6 – 3 =	18 + 1 =	6 – 2 =
9 + 1 =	3 + 2 =	4 + 3 =
5 – 2 =	36 + 1 =	4 + 2 =
38 + 1 =	4 – 3 =	12 + 1 =
25 + 1 =	3 + 3 =	29 + 1 =
5 – 3 =	7 + 1 =	2 + 2 =
4 + 3 =	7 – 3 =	42 + 1 =
40 + 1 =	1 + 1 =	3 – 2 =
4 – 3 =	46 + 1 =	6 – 3 =

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Figure 1: *Initial and Final Assessment*

Average Progress and Percentage Improvement

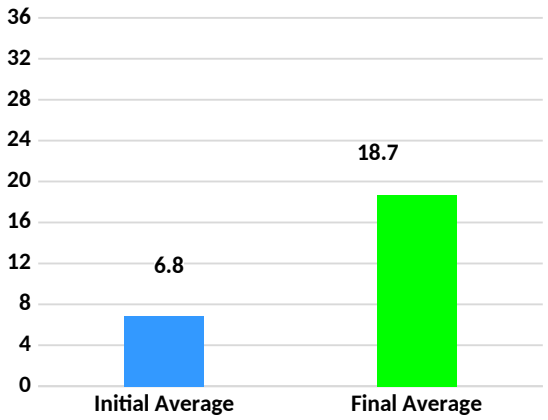


Figure 2: *Initial and Final Averages – Bamboo Addition and Subtraction Level 1*

The average number of correct responses in the initial assessment was 6.8 out of a total of 36 questions. After three months, the final evaluation showed an increase in this average to 18.7, indicating an average gain of 11.9 correct responses. This progress corresponds to a percentage improvement of **33.0%** for the program.

Categorisation of Outcome Levels

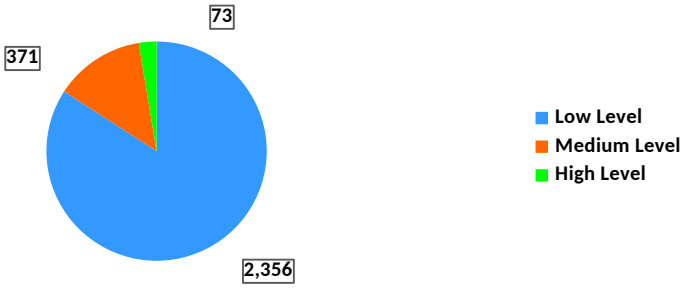


Figure 3: *Initial Student Level – Bamboo Addition and Subtraction Level 1*

Of the 2,800 students assessed in the initial stage, it was found that 2,356 (84%) are at the Low Level, 371 (13%) are at the Medium Level, and 73 (3%) are at the High Level.

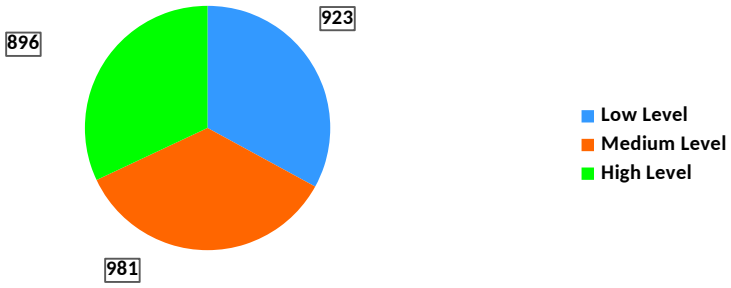


Figure 4: *Final Student Level – Bamboo Addition and Subtraction Level 1*

In the final assessment, the number of students at the Low Level fell substantially, from 2,356 (84%) to 923 (33%). In contrast, there was a notable increase in the High Level: students rose from 73 (3%) to 896 (32%).

Analysis of Students' Distribution

Table 1: *Student Shift – Bamboo Addition and Subtraction Level 1*

Initial Level/Final Level	Low Level	Medium Level	High Level	Initial Total
Low Level	917	884	555	2,356
Medium Level	6	96	269	371
High Level	0	1	72	73
Final Total	923	981	896	2,800

As shown, of the 2,356 students who initially classified at the Low Level:

- 917 students (38.9%) remained at the same Level.
- 884 students (37.5%) progressed to the Medium Level.
- 555 students (23.6%) advanced to the High Level.

In contrast, among the 371 students who began at the Medium Level:

- 6 students (1.6%) regressed to the Low Level.
- 96 students (25.9%) remained at the Medium Level.
- 269 students (72.5%) advanced to the High Level.

Finally, of the 73 students who were at the High Level at the outset:

- 1 student (1.4%) dropped to the Medium Level.
- 72 students (98.6%) maintained their status at the High Level.

Outcome Year 1

Table 2: *Individual Performance in Bamboo Addition and Subtraction Level 1 Program*

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
1	7	Low	15	Medium	8
2	3	Low	9	Low	6
3	3	Low	19	Medium	16
4	4	Low	9	Low	5
5	2	Low	14	Medium	12
6	4	Low	32	High	28
7	4	Low	16	Medium	12
8	2	Low	17	Medium	15
9	6	Low	25	High	19
10	9	Low	18	Medium	9
11	5	Low	11	Low	6
12	4	Low	14	Medium	10
13	4	Low	16	Medium	12
14	6	Low	24	Medium	18
15	3	Low	18	Medium	15
16	5	Low	32	High	27
17	2	Low	22	Medium	20
18	10	Low	13	Medium	3
19	2	Low	17	Medium	15
20	2	Low	4	Low	2
21	10	Low	20	Medium	10
22	4	Low	15	Medium	11
23	6	Low	17	Medium	11
24	4	Low	9	Low	5
25	6	Low	25	High	19
26	4	Low	14	Medium	10
27	7	Low	22	Medium	15
28	13	Medium	12	Low	-1
29	1	Low	1	Low	0
30	0	Low	0	Low	0
31	2	Low	14	Medium	12
32	2	Low	8	Low	6
33	0	Low	0	Low	0
34	3	Low	7	Low	4
35	0	Low	21	Medium	21
36	4	Low	11	Low	7
37	2	Low	7	Low	5
38	3	Low	3	Low	0
39	4	Low	21	Medium	17
40	2	Low	9	Low	7
41	4	Low	4	Low	0
42	3	Low	17	Medium	14
43	4	Low	6	Low	2
44	3	Low	1	Low	-2
45	2	Low	3	Low	1
46	4	Low	4	Low	0
47	2	Low	4	Low	2
48	1	Low	3	Low	2
49	5	Low	11	Low	6
50	5	Low	26	High	21
51	5	Low	15	Medium	10
52	1	Low	8	Low	7
53	1	Low	5	Low	4
54	6	Low	28	High	22
55	6	Low	7	Low	1
56	2	Low	9	Low	7
57	2	Low	0	Low	-2
58	6	Low	8	Low	2
59	4	Low	4	Low	0
60	6	Low	19	Medium	13

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
61	5	Low	17	Medium	12
62	12	Low	28	High	16
63	1	Low	1	Low	0
64	5	Low	22	Medium	17
65	9	Low	18	Medium	9
66	4	Low	3	Low	-1
67	2	Low	16	Medium	14
68	3	Low	11	Low	8
69	4	Low	11	Low	7
70	4	Low	8	Low	4
71	2	Low	19	Medium	17
72	5	Low	5	Low	0
73	4	Low	14	Medium	10
74	2	Low	7	Low	5
75	8	Low	19	Medium	11
76	3	Low	10	Low	7
77	2	Low	16	Medium	14
78	2	Low	6	Low	4
79	2	Low	2	Low	0
80	4	Low	22	Medium	18
81	2	Low	5	Low	3
82	1	Low	4	Low	3
83	0	Low	5	Low	5
84	2	Low	4	Low	2
85	2	Low	9	Low	7
86	4	Low	18	Medium	14
87	1	Low	12	Low	11
88	3	Low	11	Low	8
89	0	Low	6	Low	6
90	2	Low	2	Low	0
91	3	Low	13	Medium	10
92	2	Low	7	Low	5
93	4	Low	11	Low	7
94	4	Low	10	Low	6
95	2	Low	9	Low	7
96	2	Low	13	Medium	11
97	0	Low	2	Low	2
98	3	Low	12	Low	9
99	7	Low	16	Medium	9
100	0	Low	0	Low	0
101	2	Low	13	Medium	11
102	0	Low	2	Low	2
103	0	Low	3	Low	3
104	3	Low	15	Medium	12
105	0	Low	0	Low	0
106	3	Low	6	Low	3
107	2	Low	22	Medium	20
108	5	Low	22	Medium	17
109	4	Low	20	Medium	16
110	8	Low	24	Medium	16
111	3	Low	18	Medium	15
112	3	Low	11	Low	8
113	2	Low	14	Medium	12
114	2	Low	15	Medium	13
115	4	Low	14	Medium	10
116	6	Low	16	Medium	10
117	2	Low	16	Medium	14
118	4	Low	26	High	22
119	5	Low	18	Medium	13
120	2	Low	21	Medium	19

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
121	12	Low	18	Medium	6
122	6	Low	24	Medium	18
123	4	Low	19	Medium	15
124	3	Low	15	Medium	12
125	17	Medium	28	High	11
126	4	Low	29	High	25
127	4	Low	12	Low	8
128	15	Medium	34	High	19
129	11	Low	20	Medium	9
130	6	Low	34	High	28
131	0	Low	0	Low	0
132	7	Low	14	Medium	7
133	1	Low	10	Low	9
134	5	Low	11	Low	6
135	9	Low	32	High	23
136	7	Low	8	Low	1
137	3	Low	12	Low	9
138	0	Low	18	Medium	18
139	4	Low	21	Medium	17
140	6	Low	25	High	19
141	19	Medium	36	High	17
142	17	Medium	36	High	19
143	5	Low	36	High	31
144	0	Low	35	High	35
145	0	Low	22	Medium	22
146	2	Low	34	High	32
147	0	Low	4	Low	4
148	9	Low	35	High	26
149	2	Low	20	Medium	18
150	1	Low	34	High	33
151	5	Low	24	Medium	19
152	2	Low	24	Medium	22
153	2	Low	35	High	33
154	2	Low	35	High	33
155	0	Low	17	Medium	17

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
181	8	Low	20	Medium	12
182	7	Low	13	Medium	6
183	0	Low	9	Low	9
184	3	Low	16	Medium	13
185	2	Low	3	Low	1
186	4	Low	3	Low	-1
187	11	Low	27	High	16
188	2	Low	0	Low	-2
189	8	Low	24	Medium	16
190	20	Medium	25	High	5
191	25	High	25	High	0
192	3	Low	7	Low	4
193	6	Low	4	Low	-2
194	2	Low	22	Medium	20
195	2	Low	7	Low	5
196	1	Low	7	Low	6
197	7	Low	28	High	21
198	4	Low	33	High	29
199	6	Low	16	Medium	10
200	2	Low	2	Low	0
201	3	Low	14	Medium	11
202	4	Low	17	Medium	13
203	4	Low	22	Medium	18
204	1	Low	2	Low	1
205	4	Low	3	Low	-1
206	2	Low	6	Low	4
207	2	Low	0	Low	-2
208	4	Low	6	Low	2
209	3	Low	8	Low	5
210	3	Low	4	Low	1
211	2	Low	12	Low	10
212	1	Low	8	Low	7
213	2	Low	11	Low	9
214	6	Low	25	High	19
215	3	Low	2	Low	-1

156	0	Low	3	Low	3
157	2	Low	35	High	33
158	3	Low	35	High	32
159	1	Low	21	Medium	20
160	15	Medium	26	High	11
161	4	Low	33	High	29
162	1	Low	19	Medium	18
163	2	Low	36	High	34
164	0	Low	22	Medium	22
165	5	Low	14	Medium	9
166	3	Low	26	High	23
167	5	Low	10	Low	5
168	4	Low	4	Low	0
169	11	Low	11	Low	0
170	9	Low	14	Medium	5
171	4	Low	24	Medium	20
172	7	Low	24	Medium	17
173	27	High	28	High	1
174	8	Low	6	Low	-2
175	2	Low	23	Medium	21
176	14	Medium	19	Medium	5
177	3	Low	20	Medium	17
178	7	Low	10	Low	3
179	22	Medium	32	High	10
180	2	Low	28	High	26

216	3	Low	5	Low	2
217	4	Low	2	Low	-2
218	3	Low	16	Medium	13
219	2	Low	9	Low	7
220	6	Low	18	Medium	12
221	4	Low	11	Low	7
222	1	Low	2	Low	1
223	4	Low	36	High	32
224	12	Low	10	Low	-2
225	15	Medium	35	High	20
226	13	Medium	32	High	19
227	8	Low	25	High	17
228	5	Low	10	Low	5
229	11	Low	14	Medium	3
230	3	Low	16	Medium	13
231	2	Low	4	Low	2
232	2	Low	11	Low	9
233	14	Medium	36	High	22
234	11	Low	31	High	20
235	17	Medium	28	High	11
236	3	Low	3	Low	0
237	3	Low	14	Medium	11
238	9	Low	31	High	22
239	4	Low	16	Medium	12
240	12	Low	21	Medium	9

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
241	4	Low	8	Low	4
242	4	Low	4	Low	0
243	5	Low	22	Medium	17
244	6	Low	25	High	19
245	9	Low	27	High	18
24	14	Medium	30	High	16

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
301	2	Low	5	Low	3
302	1	Low	4	Low	3
303	3	Low	14	Medium	11
304	0	Low	17	Medium	17
305	0	Low	3	Low	3
306	3	Low	9	Low	6

6					
247	4	Low	5	Low	1
248	12	Low	20	Medium	8
249	10	Low	17	Medium	7
250	3	Low	17	Medium	14
251	4	Low	23	Medium	19
252	3	Low	24	Medium	21
253	0	Low	5	Low	5
254	5	Low	29	High	24
255	2	Low	8	Low	6
256	5	Low	12	Low	7
257	2	Low	11	Low	9
258	3	Low	15	Medium	12
259	0	Low	10	Low	10
260	4	Low	9	Low	5
261	0	Low	0	Low	0
262	4	Low	14	Medium	10
263	4	Low	12	Low	8
264	0	Low	16	Medium	16
265	4	Low	12	Low	8
266	6	Low	26	High	20
267	13	Medium	22	Medium	9
268	12	Low	18	Medium	6
269	2	Low	14	Medium	12
270	2	Low	16	Medium	14
271	3	Low	8	Low	5
272	6	Low	13	Medium	7
273	26	High	31	High	5
274	2	Low	9	Low	7
275	3	Low	11	Low	8
276	2	Low	5	Low	3
277	7	Low	11	Low	4
278	4	Low	8	Low	4
279	4	Low	21	Medium	17
280	10	Low	18	Medium	8
281	6	Low	26	High	20
282	3	Low	17	Medium	14

307	4	Low	3	Low	-1
308	2	Low	11	Low	9
309	2	Low	11	Low	9
310	2	Low	15	Medium	13
311	1	Low	5	Low	4
312	6	Low	25	High	19
313	3	Low	9	Low	6
314	4	Low	18	Medium	14
315	0	Low	4	Low	4
316	3	Low	5	Low	2
317	0	Low	2	Low	2
318	3	Low	6	Low	3
319	0	Low	6	Low	6
320	2	Low	4	Low	2
321	1	Low	8	Low	7
322	2	Low	14	Medium	12
323	0	Low	9	Low	9
324	1	Low	7	Low	6
325	2	Low	9	Low	7
326	4	Low	15	Medium	11
327	5	Low	12	Low	7
328	3	Low	15	Medium	12
329	2	Low	2	Low	0
330	5	Low	8	Low	3
331	4	Low	7	Low	3
332	2	Low	2	Low	0
333	0	Low	9	Low	9
334	4	Low	6	Low	2
335	3	Low	6	Low	3
336	4	Low	17	Medium	13
337	4	Low	3	Low	-1
338	4	Low	6	Low	2
339	15	Medium	30	High	15
340	8	Low	18	Medium	10
341	3	Low	10	Low	7
342	16	Medium	30	High	14

283	1	Low	5	Low	4
284	2	Low	8	Low	6
285	10	Low	13	Medium	3
286	6	Low	23	Medium	17
287	7	Low	19	Medium	12
288	4	Low	36	High	32
289	1	Low	14	Medium	13
290	3	Low	12	Low	9
291	4	Low	31	High	27
292	2	Low	15	Medium	13
293	1	Low	2	Low	1
294	3	Low	7	Low	4
295	5	Low	9	Low	4
296	3	Low	9	Low	6
297	9	Low	12	Low	3
298	0	Low	4	Low	4
299	4	Low	5	Low	1
300	5	Low	18	Medium	13

343	2	Low	15	Medium	13
344	2	Low	13	Medium	11
345	11	Low	25	High	14
346	2	Low	10	Low	8
347	3	Low	7	Low	4
348	6	Low	6	Low	0
349	5	Low	3	Low	-2
350	1	Low	12	Low	11
351	3	Low	4	Low	1
352	8	Low	18	Medium	10
353	2	Low	2	Low	0
354	0	Low	2	Low	2
355	1	Low	6	Low	5
356	0	Low	16	Medium	16
357	0	Low	6	Low	6
358	4	Low	9	Low	5
359	2	Low	5	Low	3
360	8	Low	20	Medium	12

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
361	7	Low	7	Low	0
362	6	Low	14	Medium	8
363	3	Low	14	Medium	11
364	6	Low	23	Medium	17
365	8	Low	19	Medium	11
366	4	Low	13	Medium	9
367	3	Low	22	Medium	19
368	4	Low	23	Medium	19
369	9	Low	22	Medium	13
370	4	Low	18	Medium	14
371	2	Low	12	Low	10
372	3	Low	15	Medium	12
37	7	Low	21	Medium	14

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
421	0	Low	10	Low	10
422	2	Low	7	Low	5
423	2	Low	8	Low	6
424	14	Medium	20	Medium	6
425	0	Low	0	Low	0
426	7	Low	8	Low	1
427	0	Low	3	Low	3
428	3	Low	2	Low	-1
429	0	Low	5	Low	5
430	6	Low	12	Low	6
431	0	Low	4	Low	4
432	0	Low	2	Low	2
433	0	Low	12	Low	12

3					
374	3	Low	14	Medium	11
375	4	Low	21	Medium	17
376	4	Low	15	Medium	11
377	6	Low	21	Medium	15
378	13	Medium	36	High	23
379	4	Low	20	Medium	16
380	7	Low	26	High	19
381	2	Low	14	Medium	12
382	7	Low	29	High	22
383	1	Low	3	Low	2
384	12	Low	26	High	14
385	3	Low	17	Medium	14
386	2	Low	28	High	26
387	0	Low	3	Low	3
388	6	Low	18	Medium	12
389	4	Low	14	Medium	10
390	0	Low	14	Medium	14
391	0	Low	10	Low	10
392	0	Low	0	Low	0
393	0	Low	1	Low	1
394	3	Low	3	Low	0
395	5	Low	19	Medium	14
396	7	Low	18	Medium	11
397	0	Low	10	Low	10
398	3	Low	20	Medium	17
399	8	Low	30	High	22
400	4	Low	13	Medium	9
401	2	Low	3	Low	1
402	6	Low	15	Medium	9
403	2	Low	12	Low	10
404	2	Low	0	Low	-2
405	5	Low	7	Low	2
406	6	Low	22	Medium	16
407	2	Low	7	Low	5
408	2	Low	7	Low	5
409	0	Low	2	Low	2

434	2	Low	7	Low	5
435	7	Low	12	Low	5
436	2	Low	12	Low	10
437	2	Low	12	Low	10
438	0	Low	5	Low	5
439	2	Low	14	Medium	12
440	4	Low	23	Medium	19
441	3	Low	9	Low	6
442	2	Low	8	Low	6
443	12	Low	18	Medium	6
444	2	Low	2	Low	0
445	6	Low	12	Low	6
446	0	Low	3	Low	3
447	5	Low	2	Low	-3
448	0	Low	3	Low	3
449	2	Low	2	Low	0
450	5	Low	21	Medium	16
451	3	Low	29	High	26
452	5	Low	11	Low	6
453	2	Low	3	Low	1
454	12	Low	18	Medium	6
455	0	Low	1	Low	1
456	2	Low	9	Low	7
457	1	Low	1	Low	0
458	0	Low	1	Low	1
459	2	Low	7	Low	5
460	3	Low	23	Medium	20
461	2	Low	6	Low	4
462	2	Low	11	Low	9
463	0	Low	5	Low	5
464	0	Low	4	Low	4
465	0	Low	11	Low	11
466	2	Low	5	Low	3
467	0	Low	2	Low	2
468	0	Low	0	Low	0
469	0	Low	2	Low	2

410	0	Low	1	Low	1
411	2	Low	6	Low	4
412	3	Low	6	Low	3
413	1	Low	2	Low	1
414	3	Low	3	Low	0
415	5	Low	36	High	31
416	4	Low	15	Medium	11
417	5	Low	11	Low	6
418	2	Low	5	Low	3
419	4	Low	5	Low	1
420	2	Low	0	Low	-2

470	0	Low	4	Low	4
471	0	Low	1	Low	1
472	0	Low	9	Low	9
473	2	Low	21	Medium	19
474	1	Low	3	Low	2
475	0	Low	4	Low	4
476	0	Low	2	Low	2
477	28	High	29	High	1
478	3	Low	2	Low	-1
479	6	Low	4	Low	-2
480	1	Low	1	Low	0

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
481	34	High	36	High	2
482	22	Medium	20	Medium	-2
483	13	Medium	24	Medium	11
484	1	Low	2	Low	1
485	14	Medium	17	Medium	3
486	15	Medium	21	Medium	6
487	4	Low	4	Low	0
488	2	Low	2	Low	0
489	0	Low	0	Low	0
490	3	Low	7	Low	4
491	1	Low	4	Low	3
492	4	Low	4	Low	0
493	4	Low	4	Low	0
494	8	Low	24	Medium	16
495	0	Low	7	Low	7
496	0	Low	2	Low	2
497	2	Low	29	High	27
498	0	Low	2	Low	2
499	2	Low	4	Low	2
50	3	Low	36	High	33

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
541	11	Low	22	Medium	11
542	2	Low	19	Medium	17
543	9	Low	36	High	27
544	3	Low	19	Medium	16
545	4	Low	16	Medium	12
546	5	Low	15	Medium	10
547	6	Low	25	High	19
548	2	Low	17	Medium	15
549	4	Low	16	Medium	12
550	2	Low	15	Medium	13
551	8	Low	29	High	21
552	1	Low	6	Low	5
553	2	Low	3	Low	1
554	7	Low	13	Medium	6
555	2	Low	15	Medium	13
556	3	Low	12	Low	9
557	5	Low	24	Medium	19
558	2	Low	22	Medium	20
559	2	Low	13	Medium	11
560	2	Low	19	Medium	17

0					
501	2	Low	20	Medium	18
502	0	Low	24	Medium	24
503	0	Low	2	Low	2
504	0	Low	17	Medium	17
505	2	Low	21	Medium	19
506	0	Low	4	Low	4
507	0	Low	2	Low	2
508	0	Low	0	Low	0
509	0	Low	7	Low	7
510	0	Low	0	Low	0
511	2	Low	32	High	30
512	1	Low	4	Low	3
513	0	Low	4	Low	4
514	0	Low	4	Low	4
515	3	Low	19	Medium	16
516	6	Low	24	Medium	18
517	2	Low	15	Medium	13
518	12	Low	28	High	16
519	3	Low	11	Low	8
520	13	Medium	26	High	13
521	9	Low	15	Medium	6
522	5	Low	30	High	25
523	1	Low	6	Low	5
524	6	Low	23	Medium	17
525	3	Low	16	Medium	13
526	6	Low	13	Medium	7
527	5	Low	10	Low	5
528	3	Low	12	Low	9
529	5	Low	14	Medium	9
530	6	Low	18	Medium	12
531	5	Low	13	Medium	8
532	7	Low	28	High	21
533	6	Low	9	Low	3
534	11	Low	36	High	25
535	4	Low	19	Medium	15
536	2	Low	19	Medium	17

561	2	Low	21	Medium	19
562	2	Low	19	Medium	17
563	2	Low	10	Low	8
564	4	Low	18	Medium	14
565	2	Low	2	Low	0
566	1	Low	12	Low	11
567	6	Low	23	Medium	17
568	5	Low	26	High	21
569	6	Low	16	Medium	10
570	5	Low	22	Medium	17
571	5	Low	19	Medium	14
572	2	Low	6	Low	4
573	3	Low	10	Low	7
574	5	Low	22	Medium	17
575	2	Low	13	Medium	11
576	3	Low	22	Medium	19
577	0	Low	16	Medium	16
578	5	Low	26	High	21
579	3	Low	9	Low	6
580	7	Low	26	High	19
581	16	Medium	16	Medium	0
582	2	Low	13	Medium	11
583	6	Low	20	Medium	14
584	2	Low	10	Low	8
585	3	Low	7	Low	4
586	12	Low	26	High	14
587	0	Low	16	Medium	16
588	3	Low	23	Medium	20
589	7	Low	15	Medium	8
590	9	Low	36	High	27
591	1	Low	16	Medium	15
592	0	Low	5	Low	5
593	0	Low	5	Low	5
594	0	Low	6	Low	6
595	6	Low	23	Medium	17
596	0	Low	18	Medium	18

537	2	Low	16	Medium	14
538	4	Low	17	Medium	13
539	0	Low	6	Low	6
540	4	Low	23	Medium	19

597	1	Low	6	Low	5
598	3	Low	13	Medium	10
599	4	Low	17	Medium	13
600	2	Low	22	Medium	20

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
601	5	Low	12	Low	7
602	5	Low	22	Medium	17
603	4	Low	16	Medium	12
604	2	Low	4	Low	2
605	2	Low	11	Low	9
606	5	Low	8	Low	3
607	3	Low	3	Low	0
608	9	Low	26	High	17
609	1	Low	2	Low	1
610	2	Low	25	High	23
611	4	Low	19	Medium	15
612	4	Low	8	Low	4
613	0	Low	6	Low	6
614	2	Low	23	Medium	21
615	2	Low	6	Low	4
616	13	Medium	15	Medium	2
617	1	Low	9	Low	8
618	14	Medium	33	High	19
619	2	Low	36	High	34
620	3	Low	31	High	28
621	3	Low	32	High	29
622	4	Low	30	High	26
623	7	Low	35	High	28
624	6	Low	36	High	30
625	19	Medium	36	High	17
626	7	Low	36	High	29
62	3	Low	32	High	29

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
661	4	Low	14	Medium	10
662	2	Low	13	Medium	11
663	3	Low	13	Medium	10
664	10	Low	28	High	18
665	2	Low	17	Medium	15
666	6	Low	17	Medium	11
667	2	Low	6	Low	4
668	5	Low	19	Medium	14
669	2	Low	3	Low	1
670	0	Low	9	Low	9
671	5	Low	6	Low	1
672	3	Low	10	Low	7
673	2	Low	20	Medium	18
674	4	Low	5	Low	1
675	3	Low	12	Low	9
676	2	Low	2	Low	0
677	3	Low	4	Low	1
678	3	Low	10	Low	7
679	3	Low	6	Low	3
680	7	Low	36	High	29
681	0	Low	26	High	26
682	2	Low	32	High	30
683	5	Low	34	High	29
684	0	Low	27	High	27
685	2	Low	36	High	34
686	2	Low	35	High	33
687	2	Low	36	High	34

627					
628	0	Low	7	Low	7
629	12	Low	34	High	22
630	2	Low	33	High	31
631	3	Low	25	High	22
632	2	Low	33	High	31
633	4	Low	35	High	31
634	4	Low	36	High	32
635	2	Low	36	High	34
636	3	Low	34	High	31
637	2	Low	35	High	33
638	1	Low	4	Low	3
639	3	Low	34	High	31
640	4	Low	35	High	31
641	3	Low	36	High	33
642	4	Low	36	High	32
643	4	Low	33	High	29
644	3	Low	34	High	31
645	4	Low	26	High	22
646	0	Low	8	Low	8
647	0	Low	0	Low	0
648	0	Low	3	Low	3
649	6	Low	11	Low	5
650	5	Low	14	Medium	9
651	3	Low	15	Medium	12
652	0	Low	4	Low	4
653	1	Low	11	Low	10
654	3	Low	5	Low	2
655	6	Low	18	Medium	12
656	2	Low	9	Low	7
657	1	Low	2	Low	1
658	1	Low	5	Low	4
659	3	Low	4	Low	1
660	1	Low	6	Low	5

688	2	Low	20	Medium	18
689	5	Low	35	High	30
690	3	Low	36	High	33
691	2	Low	35	High	33
692	7	Low	36	High	29
693	6	Low	36	High	30
694	3	Low	24	Medium	21
695	0	Low	2	Low	2
696	2	Low	34	High	32
697	6	Low	33	High	27
698	8	Low	36	High	28
699	5	Low	36	High	31
700	1	Low	35	High	34
701	5	Low	35	High	30
702	24	Medium	36	High	12
703	13	Medium	36	High	23
704	2	Low	34	High	32
705	4	Low	35	High	31
706	1	Low	35	High	34
707	1	Low	34	High	33
708	1	Low	14	Medium	13
709	7	Low	33	High	26
710	3	Low	9	Low	6
711	12	Low	26	High	14
712	6	Low	30	High	24
713	9	Low	11	Low	2
714	6	Low	21	Medium	15
715	5	Low	11	Low	6
716	21	Medium	35	High	14
717	3	Low	16	Medium	13
718	2	Low	12	Low	10
719	15	Medium	25	High	10
720	0	Low	11	Low	11

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
721	4	Low	30	High	26
722	7	Low	14	Medium	7
723	3	Low	14	Medium	11
724	0	Low	14	Medium	14
725	2	Low	33	High	31
726	0	Low	1	Low	1
727	4	Low	9	Low	5
728	2	Low	14	Medium	12
729	2	Low	12	Low	10
730	17	Medium	36	High	19
731	3	Low	8	Low	5
732	3	Low	3	Low	0
733	1	Low	16	Medium	15
734	2	Low	21	Medium	19
735	4	Low	7	Low	3
736	3	Low	2	Low	-1
737	3	Low	14	Medium	11
738	9	Low	14	Medium	5
739	0	Low	12	Low	12
740	2	Low	23	Medium	21
741	15	Medium	13	Medium	-2
742	12	Low	9	Low	-3
743	3	Low	26	High	23
744	4	Low	7	Low	3
745	5	Low	7	Low	2
746	5	Low	27	High	22
747	16	Medium	28	High	12
748	8	Low	30	High	22
749	2	Low	6	Low	4
750	9	Low	17	Medium	8
751	11	Low	32	High	21
752	4	Low	16	Medium	12
753	6	Low	30	High	24
754	3	Low	3	Low	0

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
781	3	Low	4	Low	1
782	0	Low	2	Low	2
783	2	Low	4	Low	2
784	3	Low	13	Medium	10
785	2	Low	16	Medium	14
786	2	Low	15	Medium	13
787	2	Low	3	Low	1
788	4	Low	18	Medium	14
789	2	Low	3	Low	1
790	0	Low	3	Low	3
791	3	Low	7	Low	4
792	0	Low	5	Low	5
793	4	Low	24	Medium	20
794	1	Low	4	Low	3
795	4	Low	6	Low	2
796	0	Low	0	Low	0
797	2	Low	4	Low	2
798	4	Low	11	Low	7
799	2	Low	9	Low	7
800	3	Low	1	Low	-2
801	4	Low	11	Low	7
802	3	Low	0	Low	-3
803	4	Low	3	Low	-1
804	1	Low	2	Low	1
805	0	Low	2	Low	2
806	0	Low	2	Low	2
807	2	Low	5	Low	3
808	3	Low	2	Low	-1
809	0	Low	0	Low	0
810	1	Low	0	Low	-1
811	3	Low	0	Low	-3
812	2	Low	0	Low	-2
813	5	Low	2	Low	-3
814	3	Low	1	Low	-2

755	2	Low	24	Medium	22
756	4	Low	19	Medium	15
757	0	Low	9	Low	9
758	5	Low	7	Low	2
759	2	Low	16	Medium	14
760	0	Low	34	High	34
761	1	Low	1	Low	0
762	15	Medium	29	High	14
763	5	Low	25	High	20
764	5	Low	4	Low	-1
765	2	Low	12	Low	10
766	2	Low	7	Low	5
767	2	Low	4	Low	2
768	9	Low	6	Low	-3
769	2	Low	3	Low	1
770	0	Low	2	Low	2
771	9	Low	18	Medium	9
772	1	Low	4	Low	3
773	0	Low	6	Low	6
774	1	Low	17	Medium	16
775	0	Low	2	Low	2
776	5	Low	15	Medium	10
777	5	Low	11	Low	6
778	3	Low	5	Low	2
779	2	Low	18	Medium	16
780	2	Low	4	Low	2

815	1	Low	0	Low	-1
816	3	Low	2	Low	-1
817	0	Low	0	Low	0
818	2	Low	1	Low	-1
819	4	Low	5	Low	1
820	6	Low	5	Low	-1
821	3	Low	1	Low	-2
822	2	Low	1	Low	-1
823	2	Low	1	Low	-1
824	0	Low	0	Low	0
825	2	Low	0	Low	-2
826	0	Low	1	Low	1
827	1	Low	0	Low	-1
828	0	Low	1	Low	1
829	1	Low	1	Low	0
830	3	Low	0	Low	-3
831	0	Low	0	Low	0
832	3	Low	2	Low	-1
833	10	Low	34	High	24
834	6	Low	35	High	29
835	18	Medium	33	High	15
836	9	Low	35	High	26
837	0	Low	36	High	36
838	17	Medium	35	High	18
839	15	Medium	36	High	21
840	13	Medium	33	High	20

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
841	11	Low	35	High	24
842	0	Low	23	Medium	23
843	1	Low	7	Low	6
844	5	Low	21	Medium	16
84	19	Medium	27	High	8

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
901	2	Low	28	High	26
902	4	Low	18	Medium	14
903	2	Low	29	High	27
904	1	Low	14	Medium	13
905	2	Low	27	High	25

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846	12	Low	22	Medium	10
847	4	Low	5	Low	1
848	2	Low	19	Medium	17
849	7	Low	6	Low	-1
850	3	Low	21	Medium	18
851	5	Low	17	Medium	12
852	5	Low	14	Medium	9
853	1	Low	1	Low	0
854	8	Low	5	Low	-3
855	4	Low	11	Low	7
856	16	Medium	18	Medium	2
857	5	Low	13	Medium	8
858	5	Low	20	Medium	15
859	6	Low	15	Medium	9
860	7	Low	19	Medium	12
861	12	Low	18	Medium	6
862	10	Low	20	Medium	10
863	7	Low	19	Medium	12
864	5	Low	5	Low	0
865	4	Low	13	Medium	9
866	4	Low	16	Medium	12
867	2	Low	7	Low	5
868	3	Low	17	Medium	14
869	2	Low	13	Medium	11
870	3	Low	8	Low	5
871	0	Low	5	Low	5
872	10	Low	12	Low	2
873	8	Low	23	Medium	15
874	8	Low	18	Medium	10
875	3	Low	12	Low	9
876	5	Low	12	Low	7
877	8	Low	10	Low	2
878	3	Low	13	Medium	10
879	8	Low	17	Medium	9
880	3	Low	18	Medium	15
881	10	Low	24	Medium	14

906	2	Low	18	Medium	16
907	4	Low	21	Medium	17
908	2	Low	14	Medium	12
909	0	Low	34	High	34
910	4	Low	20	Medium	16
911	1	Low	22	Medium	21
912	2	Low	35	High	33
913	0	Low	8	Low	8
914	2	Low	29	High	27
915	0	Low	5	Low	5
916	4	Low	36	High	32
917	0	Low	15	Medium	15
918	2	Low	27	High	25
919	2	Low	32	High	30
920	0	Low	5	Low	5
921	4	Low	34	High	30
922	3	Low	33	High	30
923	1	Low	31	High	30
924	0	Low	30	High	30
925	0	Low	34	High	34
926	2	Low	26	High	24
927	2	Low	36	High	34
928	0	Low	32	High	32
929	3	Low	36	High	33
930	4	Low	28	High	24
931	0	Low	21	Medium	21
932	2	Low	36	High	34
933	2	Low	33	High	31
934	3	Low	5	Low	2
935	11	Low	16	Medium	5
936	2	Low	6	Low	4
937	1	Low	15	Medium	14
938	2	Low	13	Medium	11
939	3	Low	15	Medium	12
940	5	Low	16	Medium	11
941	2	Low	13	Medium	11

882	2	Low	13	Medium	11
883	4	Low	29	High	25
884	4	Low	19	Medium	15
885	6	Low	28	High	22
886	2	Low	16	Medium	14
887	4	Low	25	High	21
888	4	Low	17	Medium	13
889	0	Low	4	Low	4
890	3	Low	16	Medium	13
891	2	Low	10	Low	8
892	1	Low	16	Medium	15
893	3	Low	19	Medium	16
894	2	Low	27	High	25
895	2	Low	16	Medium	14
896	1	Low	24	Medium	23
897	2	Low	14	Medium	12
898	9	Low	29	High	20
899	2	Low	18	Medium	16
900	2	Low	11	Low	9

942	1	Low	14	Medium	13
943	7	Low	7	Low	0
944	7	Low	5	Low	-2
945	6	Low	22	Medium	16
946	5	Low	14	Medium	9
947	4	Low	18	Medium	14
948	7	Low	6	Low	-1
949	5	Low	18	Medium	13
950	7	Low	10	Low	3
951	2	Low	25	High	23
952	2	Low	20	Medium	18
953	1	Low	10	Low	9
954	3	Low	24	Medium	21
955	15	Medium	28	High	13
956	5	Low	7	Low	2
957	5	Low	17	Medium	12
958	6	Low	17	Medium	11
959	6	Low	27	High	21
960	2	Low	18	Medium	16

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
961	6	Low	15	Medium	9
962	5	Low	22	Medium	17
963	2	Low	28	High	26
964	2	Low	6	Low	4
965	7	Low	29	High	22
966	2	Low	27	High	25
967	13	Medium	19	Medium	6
968	8	Low	15	Medium	7
969	4	Low	5	Low	1
970	4	Low	11	Low	7
971	4	Low	4	Low	0
972	3	Low	14	Medium	11
973	4	Low	12	Low	8
974	8	Low	19	Medium	11
975	2	Low	5	Low	3
976	8	Low	19	Medium	11
977	0	Low	14	Medium	14
978	3	Low	17	Medium	14
979	11	Low	14	Medium	3
980	7	Low	19	Medium	12
981	3	Low	16	Medium	13

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
1,021	1	Low	4	Low	3
1,022	4	Low	5	Low	1
1,023	1	Low	3	Low	2
1,024	4	Low	2	Low	-2
1,025	2	Low	0	Low	-2
1,026	1	Low	1	Low	0
1,027	2	Low	2	Low	0
1,028	1	Low	8	Low	7
1,029	0	Low	3	Low	3
1,030	3	Low	9	Low	6
1,031	7	Low	32	High	25
1,032	3	Low	18	Medium	15
1,033	2	Low	9	Low	7
1,034	2	Low	1	Low	-1
1,035	0	Low	6	Low	6
1,036	2	Low	22	Medium	20
1,037	0	Low	0	Low	0
1,038	1	Low	4	Low	3
1,039	0	Low	0	Low	0
1,040	2	Low	26	High	24
1,041	6	Low	34	High	28

982	2	Low	23	Medium	21
983	2	Low	19	Medium	17
984	6	Low	26	High	20
985	5	Low	15	Medium	10
986	15	Medium	35	High	20
987	7	Low	35	High	28
988	6	Low	24	Medium	18
989	6	Low	16	Medium	10
990	7	Low	21	Medium	14
991	2	Low	28	High	26
992	1	Low	3	Low	2
993	4	Low	15	Medium	11
994	8	Low	14	Medium	6
995	4	Low	10	Low	6
996	5	Low	25	High	20
997	4	Low	24	Medium	20
998	5	Low	19	Medium	14
999	3	Low	16	Medium	13
1,000	3	Low	18	Medium	15
1,001	2	Low	14	Medium	12
1,002	6	Low	24	Medium	18
1,003	0	Low	21	Medium	21
1,004	0	Low	1	Low	1
1,005	6	Low	13	Medium	7
1,006	0	Low	7	Low	7
1,007	0	Low	17	Medium	17
1,008	0	Low	5	Low	5
1,009	0	Low	27	High	27
1,010	0	Low	7	Low	7
1,011	0	Low	6	Low	6
1,012	0	Low	3	Low	3
1,013	12	Low	29	High	17
1,014	1	Low	4	Low	3
1,015	0	Low	0	Low	0
1,016	0	Low	3	Low	3
1,017	1	Low	4	Low	3
1,018	1	Low	2	Low	1
1,019	4	Low	3	Low	-1
1,020	2	Low	1	Low	-1

1,042	10	Low	22	Medium	12
1,043	0	Low	17	Medium	17
1,044	1	Low	14	Medium	13
1,045	1	Low	19	Medium	18
1,046	0	Low	6	Low	6
1,047	1	Low	12	Low	11
1,048	1	Low	9	Low	8
1,049	2	Low	16	Medium	14
1,050	3	Low	7	Low	4
1,051	0	Low	3	Low	3
1,052	0	Low	13	Medium	13
1,053	4	Low	8	Low	4
1,054	1	Low	18	Medium	17
1,055	1	Low	7	Low	6
1,056	3	Low	26	High	23
1,057	5	Low	22	Medium	17
1,058	1	Low	5	Low	4
1,059	2	Low	19	Medium	17
1,060	0	Low	6	Low	6
1,061	2	Low	10	Low	8
1,062	2	Low	18	Medium	16
1,063	0	Low	16	Medium	16
1,064	1	Low	12	Low	11
1,065	0	Low	13	Medium	13
1,066	0	Low	8	Low	8
1,067	0	Low	6	Low	6
1,068	0	Low	5	Low	5
1,069	5	Low	16	Medium	11
1,070	6	Low	23	Medium	17
1,071	6	Low	29	High	23
1,072	2	Low	18	Medium	16
1,073	4	Low	21	Medium	17
1,074	11	Low	36	High	25
1,075	15	Medium	36	High	21
1,076	1	Low	20	Medium	19
1,077	4	Low	28	High	24
1,078	4	Low	26	High	22
1,079	3	Low	33	High	30
1,080	6	Low	36	High	30

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
1,081	7	Low	30	High	23
1,082	6	Low	4	Low	-2
1,083	6	Low	31	High	25
1,084	3	Low	1	Low	-2
1,085	2	Low	8	Low	6
1,086	4	Low	34	High	30
1,087	0	Low	14	Medium	14
1,088	2	Low	22	Medium	20
1,089	6	Low	35	High	29
1,090	3	Low	31	High	28
1,091	6	Low	34	High	28
1,092	7	Low	26	High	19
1,093	4	Low	2	Low	-2
1,094	0	Low	2	Low	2
1,095	16	Medium	30	High	14
1,096	15	Medium	19	Medium	4
1,097	7	Low	13	Medium	6

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
1,141	2	Low	21	Medium	19
1,142	1	Low	9	Low	8
1,143	3	Low	12	Low	9
1,144	5	Low	16	Medium	11
1,145	3	Low	2	Low	-1
1,146	1	Low	16	Medium	15
1,147	6	Low	36	High	30
1,148	0	Low	9	Low	9
1,149	11	Low	13	Medium	2
1,150	4	Low	5	Low	1
1,151	0	Low	2	Low	2
1,152	2	Low	14	Medium	12
1,153	6	Low	11	Low	5
1,154	5	Low	8	Low	3
1,155	1	Low	3	Low	2
1,156	2	Low	13	Medium	11
1,157	6	Low	25	High	19

1,098	2	Low	10	Low	8
1,099	10	Low	20	Medium	10
1,100	2	Low	13	Medium	11
1,101	10	Low	24	Medium	14
1,102	5	Low	21	Medium	16
1,103	8	Low	18	Medium	10
1,104	17	Medium	22	Medium	5
1,105	23	Medium	36	High	13
1,106	5	Low	30	High	25
1,107	16	Medium	31	High	15
1,108	9	Low	34	High	25
1,109	6	Low	5	Low	-1
1,110	2	Low	7	Low	5
1,111	15	Medium	14	Medium	-1
1,112	4	Low	11	Low	7
1,113	19	Medium	27	High	8
1,114	6	Low	18	Medium	12
1,115	2	Low	4	Low	2
1,116	5	Low	8	Low	3
1,117	5	Low	6	Low	1
1,118	1	Low	2	Low	1
1,119	1	Low	1	Low	0
1,120	4	Low	10	Low	6
1,121	9	Low	15	Medium	6
1,122	4	Low	11	Low	7
1,123	3	Low	13	Medium	10
1,124	3	Low	2	Low	-1
1,125	11	Low	22	Medium	11
1,126	2	Low	7	Low	5
1,127	5	Low	9	Low	4
1,128	2	Low	4	Low	2
1,129	9	Low	7	Low	-2
1,130	4	Low	19	Medium	15
1,131	4	Low	9	Low	5
1,132	5	Low	11	Low	6
1,133	1	Low	2	Low	1
1,134	8	Low	18	Medium	10
1,135	0	Low	4	Low	4
1,136	5	Low	8	Low	3
1,137	24	Medium	24	Medium	0
1,138	13	Medium	15	Medium	2
1,139	11	Low	21	Medium	10
1,140	3	Low	4	Low	1

1,158	3	Low	22	Medium	19
1,159	13	Medium	18	Medium	5
1,160	6	Low	8	Low	2
1,161	2	Low	14	Medium	12
1,162	3	Low	14	Medium	11
1,163	5	Low	14	Medium	9
1,164	3	Low	7	Low	4
1,165	2	Low	8	Low	6
1,166	10	Low	33	High	23
1,167	2	Low	10	Low	8
1,168	5	Low	9	Low	4
1,169	2	Low	8	Low	6
1,170	2	Low	5	Low	3
1,171	6	Low	11	Low	5
1,172	0	Low	5	Low	5
1,173	3	Low	6	Low	3
1,174	3	Low	13	Medium	10
1,175	5	Low	15	Medium	10
1,176	3	Low	12	Low	9
1,177	3	Low	8	Low	5
1,178	6	Low	4	Low	-2
1,179	7	Low	18	Medium	11
1,180	2	Low	2	Low	0
1,181	6	Low	6	Low	0
1,182	6	Low	13	Medium	7
1,183	7	Low	15	Medium	8
1,184	2	Low	18	Medium	16
1,185	8	Low	22	Medium	14
1,186	3	Low	11	Low	8
1,187	5	Low	6	Low	1
1,188	2	Low	10	Low	8
1,189	2	Low	7	Low	5
1,190	2	Low	11	Low	9
1,191	3	Low	11	Low	8
1,192	11	Low	12	Low	1
1,193	12	Low	29	High	17
1,194	8	Low	17	Medium	9
1,195	7	Low	30	High	23
1,196	4	Low	21	Medium	17
1,197	3	Low	8	Low	5
1,198	5	Low	8	Low	3
1,199	22	Medium	36	High	14
1,200	1	Low	17	Medium	16

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
1,201	8	Low	26	High	18
1,202	8	Low	10	Low	2
1,203	2	Low	2	Low	0
1,204	4	Low	10	Low	6
1,205	5	Low	13	Medium	8
1,206	6	Low	17	Medium	11
1,207	7	Low	11	Low	4
1,208	5	Low	15	Medium	10
1,209	9	Low	27	High	18
1,210	5	Low	13	Medium	8

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
1,261	13	Medium	26	High	13
1,262	1	Low	10	Low	9
1,263	4	Low	19	Medium	15
1,264	7	Low	24	Medium	17
1,265	14	Medium	16	Medium	2
1,266	36	High	36	High	0
1,267	10	Low	25	High	15
1,268	1	Low	10	Low	9
1,269	1	Low	10	Low	9
1,270	9	Low	20	Medium	11

1,211	4	Low	4	Low	0
1,212	7	Low	11	Low	4
1,213	4	Low	14	Medium	10
1,214	3	Low	10	Low	7
1,215	5	Low	5	Low	0
1,216	10	Low	12	Low	2
1,217	9	Low	35	High	26
1,218	0	Low	8	Low	8
1,219	2	Low	3	Low	1
1,220	6	Low	19	Medium	13
1,221	3	Low	9	Low	6
1,222	10	Low	14	Medium	4
1,223	8	Low	20	Medium	12
1,224	8	Low	8	Low	0
1,225	3	Low	16	Medium	13
1,226	15	Medium	19	Medium	4
1,227	5	Low	3	Low	-2
1,228	4	Low	3	Low	-1
1,229	7	Low	21	Medium	14
1,230	4	Low	8	Low	4
1,231	2	Low	6	Low	4
1,232	5	Low	11	Low	6
1,233	15	Medium	32	High	17
1,234	11	Low	27	High	16
1,235	9	Low	17	Medium	8
1,236	9	Low	9	Low	0
1,237	8	Low	10	Low	2
1,238	13	Medium	10	Low	-3
1,239	12	Low	14	Medium	2
1,240	11	Low	26	High	15
1,241	11	Low	14	Medium	3
1,242	6	Low	11	Low	5
1,243	6	Low	15	Medium	9
1,244	8	Low	9	Low	1
1,245	6	Low	26	High	20
1,246	5	Low	8	Low	3
1,247	18	Medium	33	High	15
1,248	18	Medium	22	Medium	4
1,249	16	Medium	13	Medium	-3
1,250	10	Low	9	Low	-1
1,251	13	Medium	14	Medium	1
1,252	4	Low	9	Low	5
1,253	6	Low	9	Low	3
1,254	6	Low	20	Medium	14
1,255	19	Medium	26	High	7
1,256	19	Medium	36	High	17
1,257	8	Low	20	Medium	12
1,258	17	Medium	34	High	17
1,259	34	High	36	High	2
1,260	4	Low	9	Low	5

1,271	4	Low	12	Low	8
1,272	9	Low	14	Medium	5
1,273	14	Medium	36	High	22
1,274	6	Low	27	High	21
1,275	7	Low	16	Medium	9
1,276	15	Medium	35	High	20
1,277	10	Low	19	Medium	9
1,278	3	Low	1	Low	-2
1,279	18	Medium	19	Medium	1
1,280	8	Low	36	High	28
1,281	15	Medium	35	High	20
1,282	13	Medium	36	High	23
1,283	15	Medium	36	High	21
1,284	12	Low	34	High	22
1,285	8	Low	34	High	26
1,286	8	Low	36	High	28
1,287	6	Low	35	High	29
1,288	11	Low	36	High	25
1,289	10	Low	34	High	24
1,290	4	Low	32	High	28
1,291	6	Low	34	High	28
1,292	15	Medium	36	High	21
1,293	10	Low	22	Medium	12
1,294	6	Low	36	High	30
1,295	10	Low	35	High	25
1,296	9	Low	36	High	27
1,297	8	Low	35	High	27
1,298	8	Low	36	High	28
1,299	12	Low	36	High	24
1,300	0	Low	13	Medium	13
1,301	1	Low	30	High	29
1,302	2	Low	19	Medium	17
1,303	3	Low	29	High	26
1,304	5	Low	28	High	23
1,305	3	Low	12	Low	9
1,306	9	Low	20	Medium	11
1,307	2	Low	13	Medium	11
1,308	6	Low	35	High	29
1,309	11	Low	36	High	25
1,310	9	Low	26	High	17
1,311	10	Low	17	Medium	7
1,312	10	Low	21	Medium	11
1,313	3	Low	4	Low	1
1,314	14	Medium	17	Medium	3
1,315	2	Low	10	Low	8
1,316	8	Low	12	Low	4
1,317	7	Low	20	Medium	13
1,318	10	Low	9	Low	-1
1,319	6	Low	8	Low	2
1,320	7	Low	12	Low	5

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	

1,321	9	Low	15	Medium	6
1,322	8	Low	35	High	27
1,323	7	Low	5	Low	-2
1,324	6	Low	6	Low	0
1,325	3	Low	7	Low	4
1,326	1	Low	0	Low	-1
1,327	7	Low	36	High	29
1,328	1	Low	8	Low	7
1,329	5	Low	13	Medium	8
1,330	3	Low	3	Low	0
1,331	0	Low	26	High	26
1,332	2	Low	14	Medium	12
1,333	2	Low	17	Medium	15
1,334	3	Low	7	Low	4
1,335	23	Medium	32	High	9
1,336	2	Low	6	Low	4
1,337	8	Low	35	High	27
1,338	5	Low	9	Low	4
1,339	2	Low	12	Low	10
1,340	11	Low	20	Medium	9
1,341	22	Medium	34	High	12
1,342	6	Low	5	Low	-1
1,343	5	Low	5	Low	0
1,344	4	Low	5	Low	1
1,345	10	Low	33	High	23
1,346	12	Low	13	Medium	1
1,347	6	Low	9	Low	3
1,348	5	Low	6	Low	1
1,349	10	Low	7	Low	-3
1,350	2	Low	14	Medium	12
1,351	3	Low	18	Medium	15
1,352	1	Low	6	Low	5
1,353	8	Low	6	Low	-2
1,354	9	Low	20	Medium	11
1,355	2	Low	9	Low	7
1,356	5	Low	8	Low	3
1,357	11	Low	15	Medium	4
1,358	11	Low	15	Medium	4
1,359	7	Low	5	Low	-2
1,360	9	Low	20	Medium	11
1,361	2	Low	4	Low	2
1,362	10	Low	16	Medium	6
1,363	15	Medium	12	Low	-3
1,364	9	Low	25	High	16
1,365	11	Low	15	Medium	4
1,366	13	Medium	36	High	23
1,367	8	Low	9	Low	1
1,368	1	Low	11	Low	10
1,369	8	Low	13	Medium	5
1,370	7	Low	16	Medium	9
1,371	9	Low	14	Medium	5
1,372	14	Medium	11	Low	-3
1,373	3	Low	15	Medium	12
1,374	7	Low	13	Medium	6
1,375	9	Low	23	Medium	14
1,376	4	Low	16	Medium	12
1,377	17	Medium	16	Medium	-1
1,378	10	Low	30	High	20
1,379	7	Low	8	Low	1
1,380	9	Low	7	Low	-2

1,381	6	Low	9	Low	3
1,382	3	Low	7	Low	4
1,383	4	Low	15	Medium	11
1,384	7	Low	11	Low	4
1,385	6	Low	16	Medium	10
1,386	17	Medium	18	Medium	1
1,387	6	Low	16	Medium	10
1,388	4	Low	7	Low	3
1,389	11	Low	25	High	14
1,390	10	Low	20	Medium	10
1,391	7	Low	17	Medium	10
1,392	14	Medium	34	High	20
1,393	1	Low	5	Low	4
1,394	3	Low	8	Low	5
1,395	3	Low	11	Low	8
1,396	0	Low	11	Low	11
1,397	3	Low	15	Medium	12
1,398	0	Low	4	Low	4

Outcome Year 2

Table 3: *Individual Performance in Bamboo Addition and Subtraction Level 1 Program*

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
1	0	Low	8	Low	8
2	15	Medium	24	Medium	9
3	6	Low	15	Medium	9
4	4	Low	6	Low	2
5	2	Low	2	Low	0
6	18	Medium	15	Medium	-3
7	1	Low	4	Low	3
8	4	Low	15	Medium	11
9	5	Low	10	Low	5
10	5	Low	12	Low	7
11	7	Low	21	Medium	14
12	8	Low	17	Medium	9
13	30	High	36	High	6
14	19	Medium	28	High	9
15	11	Low	16	Medium	5
16	11	Low	18	Medium	7
17	15	Medium	25	High	10
18	12	Low	16	Medium	4
19	17	Medium	36	High	19
20	13	Medium	11	Low	-2
21	6	Low	7	Low	1
22	9	Low	9	Low	0
23	10	Low	27	High	17
24	15	Medium	16	Medium	1
25	19	Medium	32	High	13
26	6	Low	13	Medium	7
27	14	Medium	24	Medium	10
28	4	Low	5	Low	1
29	10	Low	16	Medium	6
30	10	Low	30	High	20
31	16	Medium	15	Medium	-1
32	3	Low	5	Low	2
33	16	Medium	30	High	14
34	25	High	31	High	6
35	14	Medium	16	Medium	2
36	14	Medium	36	High	22
37	6	Low	22	Medium	16
38	11	Low	17	Medium	6
39	5	Low	15	Medium	10
61	12	Low	24	Medium	12
62	15	Medium	28	High	13
63	7	Low	6	Low	-1
64	28	High	36	High	8
65	22	Medium	26	High	4
66	0	Low	0	Low	0
67	15	Medium	15	Medium	0
68	10	Low	12	Low	2
69	3	Low	4	Low	1
70	4	Low	21	Medium	17
71	10	Low	7	Low	-3
72	6	Low	3	Low	-3
73	2	Low	4	Low	2
74	12	Low	28	High	16
75	6	Low	6	Low	0
76	10	Low	24	Medium	14
77	7	Low	14	Medium	7
78	18	Medium	18	Medium	0
79	8	Low	17	Medium	9
80	16	Medium	36	High	20
81	0	Low	8	Low	8
82	15	Medium	25	High	10
83	12	Low	24	Medium	12
84	8	Low	10	Low	2
85	2	Low	22	Medium	20
86	2	Low	22	Medium	20
87	2	Low	36	High	34
88	4	Low	26	High	22
89	4	Low	36	High	32
90	5	Low	35	High	30
91	15	Medium	35	High	20
92	4	Low	36	High	32
93	11	Low	35	High	24
94	2	Low	33	High	31
95	10	Low	36	High	26
96	10	Low	36	High	26
97	10	Low	35	High	25
98	2	Low	27	High	25
99	12	Low	35	High	23

40	6	Low	15	Medium	9
41	3	Low	13	Medium	10
42	18	Medium	24	Medium	6
43	12	Low	21	Medium	9
44	15	Medium	18	Medium	3
45	11	Low	17	Medium	6
46	5	Low	13	Medium	8
47	11	Low	9	Low	-2
48	11	Low	23	Medium	12
49	11	Low	26	High	15
50	8	Low	17	Medium	9
51	6	Low	3	Low	-3
52	16	Medium	26	High	10
53	10	Low	19	Medium	9
54	6	Low	4	Low	-2
55	10	Low	10	Low	0
56	7	Low	6	Low	-1
57	15	Medium	17	Medium	2
58	6	Low	10	Low	4
59	18	Medium	23	Medium	5
60	10	Low	16	Medium	6

100	4	Low	36	High	32
101	5	Low	33	High	28
102	30	High	36	High	6
103	9	Low	18	Medium	9
104	7	Low	15	Medium	8
105	17	Medium	36	High	19
106	8	Low	24	Medium	16
107	6	Low	32	High	26
108	4	Low	22	Medium	18
109	26	High	35	High	9
110	20	Medium	35	High	15
111	26	High	35	High	9
112	20	Medium	17	Medium	-3
113	12	Low	30	High	18
114	7	Low	8	Low	1
115	3	Low	28	High	25
116	3	Low	18	Medium	15
117	6	Low	28	High	22
118	2	Low	14	Medium	12
119	5	Low	22	Medium	17
120	24	Medium	35	High	11

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
121	24	Medium	36	High	12
122	27	High	36	High	9
123	6	Low	33	High	27
124	19	Medium	36	High	17
125	12	Low	36	High	24
126	16	Medium	36	High	20
127	4	Low	10	Low	6
128	16	Medium	22	Medium	6
129	7	Low	13	Medium	6
130	4	Low	28	High	24
131	28	High	36	High	8
13	9	Low	36	High	27

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
181	5	Low	17	Medium	12
182	6	Low	29	High	23
183	7	Low	16	Medium	9
184	22	Medium	23	Medium	1
185	5	Low	2	Low	-3
186	10	Low	24	Medium	14
187	5	Low	18	Medium	13
188	9	Low	7	Low	-2
189	17	Medium	25	High	8
190	10	Low	9	Low	-1
191	2	Low	4	Low	2
192	1	Low	10	Low	9

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133	6	Low	25	High	19
134	12	Low	36	High	24
135	12	Low	17	Medium	5
136	12	Low	19	Medium	7
137	12	Low	25	High	13
138	12	Low	16	Medium	4
139	7	Low	11	Low	4
140	23	Medium	28	High	5
141	10	Low	18	Medium	8
142	13	Medium	16	Medium	3
143	3	Low	8	Low	5
144	8	Low	7	Low	-1
145	3	Low	9	Low	6
146	15	Medium	28	High	13
147	16	Medium	21	Medium	5
148	13	Medium	16	Medium	3
149	12	Low	32	High	20
150	26	High	36	High	10
151	9	Low	24	Medium	15
152	10	Low	15	Medium	5
153	20	Medium	25	High	5
154	8	Low	25	High	17
155	7	Low	19	Medium	12
156	2	Low	7	Low	5
157	6	Low	16	Medium	10
158	1	Low	5	Low	4
159	3	Low	5	Low	2
160	9	Low	6	Low	-3
161	0	Low	4	Low	4
162	9	Low	28	High	19
163	7	Low	13	Medium	6
164	7	Low	16	Medium	9
165	3	Low	15	Medium	12
166	0	Low	1	Low	1
167	0	Low	34	High	34
168	1	Low	17	Medium	16

193	10	Low	17	Medium	7
194	13	Medium	20	Medium	7
195	7	Low	12	Low	5
196	6	Low	17	Medium	11
197	7	Low	10	Low	3
198	12	Low	24	Medium	12
199	19	Medium	34	High	15
200	13	Medium	29	High	16
201	0	Low	2	Low	2
202	6	Low	15	Medium	9
203	7	Low	18	Medium	11
204	18	Medium	33	High	15
205	24	Medium	36	High	12
206	24	Medium	23	Medium	-1
207	25	High	36	High	11
208	6	Low	14	Medium	8
209	6	Low	18	Medium	12
210	2	Low	7	Low	5
211	7	Low	35	High	28
212	5	Low	21	Medium	16
213	2	Low	19	Medium	17
214	10	Low	28	High	18
215	7	Low	13	Medium	6
216	4	Low	15	Medium	11
217	6	Low	17	Medium	11
218	7	Low	35	High	28
219	2	Low	22	Medium	20
220	26	High	28	High	2
221	3	Low	35	High	32
222	13	Medium	18	Medium	5
223	4	Low	3	Low	-1
224	1	Low	16	Medium	15
225	9	Low	18	Medium	9
226	6	Low	36	High	30
227	14	Medium	30	High	16
228	0	Low	0	Low	0

169	22	Medium	36	High	14
170	0	Low	6	Low	6
171	2	Low	7	Low	5
172	2	Low	3	Low	1
173	4	Low	13	Medium	9
174	4	Low	10	Low	6
175	1	Low	5	Low	4
176	6	Low	33	High	27
177	0	Low	0	Low	0
178	0	Low	1	Low	1
179	7	Low	17	Medium	10
180	0	Low	9	Low	9

229	11	Low	36	High	25
230	7	Low	15	Medium	8
231	6	Low	15	Medium	9
232	7	Low	24	Medium	17
233	2	Low	26	High	24
234	4	Low	26	High	22
235	1	Low	5	Low	4
236	17	Medium	36	High	19
237	19	Medium	35	High	16
238	7	Low	36	High	29
239	4	Low	7	Low	3
240	8	Low	24	Medium	16

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
241	14	Medium	23	Medium	9
242	15	Medium	25	High	10
243	9	Low	28	High	19
244	3	Low	9	Low	6
245	9	Low	17	Medium	8
246	12	Low	27	High	15
247	15	Medium	36	High	21
248	2	Low	21	Medium	19
249	2	Low	20	Medium	18
250	10	Low	17	Medium	7
251	5	Low	35	High	30
252	14	Medium	35	High	21
253	6	Low	21	Medium	15
254	2	Low	15	Medium	13
255	9	Low	35	High	26
256	15	Medium	21	Medium	6
257	3	Low	28	High	25
258	10	Low	35	High	25

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
301	6	Low	36	High	30
302	6	Low	35	High	29
303	16	Medium	31	High	15
304	1	Low	26	High	25
305	14	Medium	24	Medium	10
306	2	Low	0	Low	-2
307	2	Low	11	Low	9
308	0	Low	2	Low	2
309	11	Low	35	High	24
310	5	Low	11	Low	6
311	4	Low	29	High	25
312	6	Low	36	High	30
313	0	Low	13	Medium	13
314	4	Low	21	Medium	17
315	2	Low	34	High	32
316	13	Medium	36	High	23
317	3	Low	19	Medium	16
318	3	Low	21	Medium	18

259	11	Low	34	High	23
260	7	Low	6	Low	-1
261	10	Low	29	High	19
262	13	Medium	26	High	13
263	7	Low	13	Medium	6
264	12	Low	14	Medium	2
265	10	Low	29	High	19
266	18	Medium	36	High	18
267	5	Low	12	Low	7
268	4	Low	20	Medium	16
269	13	Medium	16	Medium	3
270	16	Medium	30	High	14
271	6	Low	9	Low	3
272	24	Medium	36	High	12
273	15	Medium	14	Medium	-1
274	8	Low	15	Medium	7
275	20	Medium	36	High	16
276	16	Medium	18	Medium	2
277	7	Low	5	Low	-2
278	6	Low	9	Low	3
279	6	Low	10	Low	4
280	27	High	36	High	9
281	18	Medium	30	High	12
282	21	Medium	23	Medium	2
283	5	Low	2	Low	-3
284	3	Low	8	Low	5
285	14	Medium	15	Medium	1
286	14	Medium	15	Medium	1
287	5	Low	11	Low	6
288	7	Low	11	Low	4
289	3	Low	30	High	27
290	10	Low	20	Medium	10
291	3	Low	4	Low	1
292	7	Low	30	High	23
293	9	Low	36	High	27
294	4	Low	31	High	27
29	15	Medium	20	Medium	5

319	4	Low	36	High	32
320	6	Low	26	High	20
321	3	Low	31	High	28
322	4	Low	23	Medium	19
323	2	Low	22	Medium	20
324	17	Medium	35	High	18
325	4	Low	35	High	31
326	17	Medium	36	High	19
327	3	Low	10	Low	7
328	7	Low	36	High	29
329	5	Low	29	High	24
330	1	Low	4	Low	3
331	0	Low	27	High	27
332	5	Low	30	High	25
333	4	Low	36	High	32
334	3	Low	33	High	30
335	5	Low	16	Medium	11
336	8	Low	17	Medium	9
337	3	Low	36	High	33
338	0	Low	23	Medium	23
339	7	Low	18	Medium	11
340	3	Low	8	Low	5
341	3	Low	4	Low	1
342	5	Low	9	Low	4
343	3	Low	7	Low	4
344	5	Low	9	Low	4
345	3	Low	15	Medium	12
346	2	Low	6	Low	4
347	0	Low	1	Low	1
348	2	Low	11	Low	9
349	10	Low	35	High	25
350	6	Low	9	Low	3
351	9	Low	12	Low	3
352	2	Low	7	Low	5
353	10	Low	16	Medium	6
354	6	Low	34	High	28
355	2	Low	13	Medium	11

5					
296	6	Low	14	Medium	8
297	14	Medium	36	High	22
298	17	Medium	20	Medium	3
299	10	Low	22	Medium	12
300	23	Medium	36	High	13

356	3	Low	18	Medium	15
357	2	Low	15	Medium	13
358	2	Low	14	Medium	12
359	4	Low	19	Medium	15
360	6	Low	10	Low	4

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
361	6	Low	21	Medium	15
362	5	Low	4	Low	-1
363	11	Low	32	High	21
364	4	Low	10	Low	6
365	4	Low	10	Low	6
366	5	Low	24	Medium	19
367	1	Low	1	Low	0
368	2	Low	13	Medium	11
369	2	Low	14	Medium	12
370	6	Low	7	Low	1
371	24	Medium	36	High	12
372	3	Low	16	Medium	13
373	6	Low	12	Low	6
374	11	Low	16	Medium	5
375	0	Low	16	Medium	16
376	4	Low	15	Medium	11
377	4	Low	18	Medium	14
378	3	Low	6	Low	3
379	7	Low	11	Low	4
380	12	Low	21	Medium	9
381	6	Low	30	High	24
382	1	Low	4	Low	3
383	12	Low	19	Medium	7
384	2	Low	10	Low	8
38	13	Medium	29	High	16

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
421	4	Low	16	Medium	12
422	3	Low	24	Medium	21
423	10	Low	28	High	18
424	4	Low	24	Medium	20
425	36	High	36	High	0
426	4	Low	23	Medium	19
427	5	Low	11	Low	6
428	4	Low	13	Medium	9
429	4	Low	25	High	21
430	2	Low	20	Medium	18
431	2	Low	11	Low	9
432	6	Low	36	High	30
433	1	Low	4	Low	3
434	3	Low	4	Low	1
435	5	Low	36	High	31
436	2	Low	4	Low	2
437	2	Low	19	Medium	17
438	7	Low	15	Medium	8
439	3	Low	34	High	31
440	13	Medium	17	Medium	4
441	0	Low	12	Low	12
442	0	Low	0	Low	0
443	7	Low	21	Medium	14
444	2	Low	19	Medium	17
445	3	Low	22	Medium	19

5					
386	0	Low	18	Medium	18
387	5	Low	20	Medium	15
388	4	Low	4	Low	0
389	7	Low	23	Medium	16
390	3	Low	5	Low	2
391	9	Low	29	High	20
392	6	Low	5	Low	-1
393	19	Medium	23	Medium	4
394	4	Low	6	Low	2
395	4	Low	15	Medium	11
396	3	Low	6	Low	3
397	13	Medium	22	Medium	9
398	4	Low	21	Medium	17
399	9	Low	23	Medium	14
400	4	Low	29	High	25
401	1	Low	15	Medium	14
402	9	Low	16	Medium	7
403	2	Low	15	Medium	13
404	10	Low	33	High	23
405	2	Low	9	Low	7
406	4	Low	26	High	22
407	25	High	36	High	11
408	6	Low	35	High	29
409	2	Low	19	Medium	17
410	7	Low	15	Medium	8
411	4	Low	8	Low	4
412	20	Medium	36	High	16
413	0	Low	18	Medium	18
414	4	Low	29	High	25
415	8	Low	18	Medium	10
416	6	Low	29	High	23
417	8	Low	15	Medium	7
418	3	Low	34	High	31
419	6	Low	36	High	30
420	8	Low	32	High	24

446	2	Low	19	Medium	17
447	2	Low	4	Low	2
448	0	Low	4	Low	4
449	1	Low	4	Low	3
450	6	Low	6	Low	0
451	2	Low	0	Low	-2
452	0	Low	0	Low	0
453	5	Low	16	Medium	11
454	0	Low	0	Low	0
455	2	Low	16	Medium	14
456	2	Low	8	Low	6
457	5	Low	15	Medium	10
458	4	Low	8	Low	4
459	2	Low	20	Medium	18
460	3	Low	0	Low	-3
461	0	Low	1	Low	1
462	0	Low	4	Low	4
463	2	Low	30	High	28
464	2	Low	31	High	29
465	4	Low	34	High	30
466	4	Low	22	Medium	18
467	6	Low	13	Medium	7
468	4	Low	17	Medium	13
469	2	Low	13	Medium	11
470	4	Low	11	Low	7
471	1	Low	16	Medium	15
472	3	Low	20	Medium	17
473	9	Low	25	High	16
474	0	Low	9	Low	9
475	1	Low	13	Medium	12
476	3	Low	6	Low	3
477	1	Low	12	Low	11
478	4	Low	15	Medium	11
479	4	Low	21	Medium	17
480	8	Low	27	High	19

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
481	10	Low	25	High	15
482	7	Low	36	High	29
483	4	Low	28	High	24
484	7	Low	36	High	29
485	2	Low	21	Medium	19
486	3	Low	19	Medium	16
487	4	Low	16	Medium	12
488	2	Low	19	Medium	17
489	4	Low	25	High	21
490	6	Low	25	High	19
491	9	Low	36	High	27
492	4	Low	35	High	31
493	4	Low	21	Medium	17
494	4	Low	20	Medium	16
495	5	Low	6	Low	1
496	2	Low	16	Medium	14
497	4	Low	2	Low	-2
498	15	Medium	26	High	11
499	24	Medium	29	High	5
500	0	Low	14	Medium	14
501	6	Low	16	Medium	10
502	0	Low	0	Low	0
503	4	Low	16	Medium	12
504	2	Low	28	High	26
505	2	Low	8	Low	6
506	3	Low	33	High	30
507	2	Low	0	Low	-2
508	2	Low	7	Low	5
509	1	Low	13	Medium	12
510	0	Low	0	Low	0
511	7	Low	28	High	21
51	2	Low	2	Low	0

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
541	6	Low	5	Low	-1
542	5	Low	33	High	28
543	16	Medium	29	High	13
544	21	Medium	35	High	14
545	11	Low	24	Medium	13
546	2	Low	3	Low	1
547	4	Low	5	Low	1
548	4	Low	6	Low	2
549	3	Low	6	Low	3
550	4	Low	19	Medium	15
551	10	Low	23	Medium	13
552	8	Low	27	High	19
553	4	Low	10	Low	6
554	17	Medium	22	Medium	5
555	3	Low	5	Low	2
556	4	Low	16	Medium	12
557	7	Low	24	Medium	17
558	4	Low	6	Low	2
559	21	Medium	36	High	15
560	15	Medium	34	High	19
561	9	Low	12	Low	3
562	3	Low	19	Medium	16
563	27	High	36	High	9
564	10	Low	12	Low	2
565	2	Low	5	Low	3
566	4	Low	9	Low	5
567	6	Low	18	Medium	12
568	7	Low	13	Medium	6
569	16	Medium	17	Medium	1
570	16	Medium	25	High	9
571	3	Low	22	Medium	19
572	24	Medium	31	High	7

2					
513	2	Low	5	Low	3
514	6	Low	24	Medium	18
515	0	Low	0	Low	0
516	2	Low	5	Low	3
517	3	Low	14	Medium	11
518	6	Low	8	Low	2
519	3	Low	10	Low	7
520	2	Low	30	High	28
521	3	Low	26	High	23
522	2	Low	4	Low	2
523	1	Low	5	Low	4
524	3	Low	9	Low	6
525	10	Low	26	High	16
526	2	Low	19	Medium	17
527	5	Low	32	High	27
528	5	Low	23	Medium	18
529	6	Low	6	Low	0
530	0	Low	2	Low	2
531	2	Low	11	Low	9
532	5	Low	36	High	31
533	6	Low	5	Low	-1
534	5	Low	21	Medium	16
535	8	Low	34	High	26
536	7	Low	9	Low	2
537	8	Low	14	Medium	6
538	9	Low	36	High	27
539	19	Medium	36	High	17
540	19	Medium	35	High	16

573	7	Low	17	Medium	10
574	14	Medium	25	High	11
575	16	Medium	33	High	17
576	26	High	34	High	8
577	11	Low	29	High	18
578	15	Medium	27	High	12
579	28	High	33	High	5
580	17	Medium	36	High	19
581	8	Low	22	Medium	14
582	14	Medium	21	Medium	7
583	9	Low	31	High	22
584	5	Low	29	High	24
585	14	Medium	35	High	21
586	31	High	36	High	5
587	4	Low	15	Medium	11
588	8	Low	23	Medium	15
589	2	Low	15	Medium	13
590	3	Low	23	Medium	20
591	5	Low	12	Low	7
592	24	Medium	36	High	12
593	6	Low	20	Medium	14
594	7	Low	20	Medium	13
595	2	Low	17	Medium	15
596	12	Low	21	Medium	9
597	3	Low	13	Medium	10
598	4	Low	29	High	25
599	1	Low	14	Medium	13
600	2	Low	9	Low	7

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
601	10	Low	15	Medium	5
60	7	Low	9	Low	2

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
661	2	Low	15	Medium	13
662	4	Low	9	Low	5

2					
603	4	Low	18	Medium	14
604	5	Low	10	Low	5
605	19	Medium	35	High	16
606	1	Low	4	Low	3
607	9	Low	22	Medium	13
608	3	Low	3	Low	0
609	14	Medium	34	High	20
610	2	Low	17	Medium	15
611	4	Low	16	Medium	12
612	6	Low	24	Medium	18
613	7	Low	12	Low	5
614	0	Low	8	Low	8
615	11	Low	23	Medium	12
616	18	Medium	36	High	18
617	4	Low	12	Low	8
618	2	Low	13	Medium	11
619	10	Low	24	Medium	14
620	4	Low	9	Low	5
621	1	Low	3	Low	2
622	4	Low	19	Medium	15
623	0	Low	20	Medium	20
624	4	Low	7	Low	3
625	4	Low	22	Medium	18
626	17	Medium	30	High	13
627	5	Low	24	Medium	19
628	8	Low	26	High	18
629	2	Low	18	Medium	16
630	7	Low	15	Medium	8
631	3	Low	18	Medium	15
632	6	Low	7	Low	1
633	13	Medium	19	Medium	6
634	4	Low	36	High	32
635	10	Low	35	High	25
636	1	Low	0	Low	-1
637	13	Medium	22	Medium	9
638	2	Low	7	Low	5

663	6	Low	33	High	27
664	2	Low	14	Medium	12
665	22	Medium	28	High	6
666	9	Low	35	High	26
667	13	Medium	36	High	23
668	17	Medium	34	High	17
669	0	Low	9	Low	9
670	26	High	36	High	10
671	14	Medium	16	Medium	2
672	5	Low	23	Medium	18
673	4	Low	15	Medium	11
674	23	Medium	34	High	11
675	10	Low	18	Medium	8
676	5	Low	14	Medium	9
677	4	Low	25	High	21
678	4	Low	30	High	26
679	7	Low	4	Low	-3
680	3	Low	15	Medium	12
681	10	Low	23	Medium	13
682	2	Low	18	Medium	16
683	13	Medium	35	High	22
684	14	Medium	17	Medium	3
685	1	Low	29	High	28
686	3	Low	5	Low	2
687	8	Low	36	High	28
688	7	Low	10	Low	3
689	3	Low	19	Medium	16
690	0	Low	1	Low	1
691	8	Low	17	Medium	9
692	4	Low	12	Low	8
693	3	Low	25	High	22
694	12	Low	19	Medium	7
695	4	Low	35	High	31
696	2	Low	4	Low	2
697	2	Low	5	Low	3
698	1	Low	2	Low	1

639	6	Low	22	Medium	16
640	4	Low	22	Medium	18
641	2	Low	35	High	33
642	9	Low	19	Medium	10
643	2	Low	2	Low	0
644	19	Medium	34	High	15
645	4	Low	16	Medium	12
646	6	Low	18	Medium	12
647	5	Low	24	Medium	19
648	7	Low	22	Medium	15
649	5	Low	14	Medium	9
650	3	Low	31	High	28
651	13	Medium	30	High	17
652	3	Low	29	High	26
653	6	Low	31	High	25
654	3	Low	27	High	24
655	6	Low	25	High	19
656	2	Low	34	High	32
657	1	Low	16	Medium	15
658	7	Low	27	High	20
659	6	Low	18	Medium	12
660	13	Medium	33	High	20

699	10	Low	25	High	15
700	5	Low	6	Low	1
701	1	Low	13	Medium	12
702	1	Low	21	Medium	20
703	6	Low	17	Medium	11
704	7	Low	36	High	29
705	1	Low	14	Medium	13
706	4	Low	11	Low	7
707	2	Low	27	High	25
708	4	Low	21	Medium	17
709	1	Low	11	Low	10
710	5	Low	27	High	22
711	2	Low	6	Low	4
712	3	Low	2	Low	-1
713	29	High	36	High	7
714	3	Low	22	Medium	19
715	3	Low	17	Medium	14
716	0	Low	11	Low	11
717	5	Low	6	Low	1
718	2	Low	18	Medium	16
719	2	Low	6	Low	4
720	7	Low	30	High	23

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
721	16	Medium	30	High	14
722	5	Low	15	Medium	10
723	5	Low	18	Medium	13
724	7	Low	29	High	22
725	34	High	36	High	2
726	1	Low	4	Low	3
727	9	Low	13	Medium	4
728	1	Low	7	Low	6

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
781	7	Low	20	Medium	13
782	5	Low	11	Low	6
783	10	Low	26	High	16
784	2	Low	29	High	27
785	34	High	36	High	2
786	11	Low	27	High	16
787	3	Low	12	Low	9
788	2	Low	8	Low	6

729	6	Low	12	Low	6
730	6	Low	19	Medium	13
731	1	Low	23	Medium	22
732	3	Low	21	Medium	18
733	3	Low	17	Medium	14
734	4	Low	16	Medium	12
735	8	Low	28	High	20
736	0	Low	20	Medium	20
737	7	Low	22	Medium	15
738	15	Medium	36	High	21
739	12	Low	32	High	20
740	5	Low	20	Medium	15
741	7	Low	24	Medium	17
742	5	Low	17	Medium	12
743	6	Low	6	Low	0
744	3	Low	16	Medium	13
745	6	Low	34	High	28
746	6	Low	18	Medium	12
747	5	Low	36	High	31
748	10	Low	36	High	26
749	2	Low	30	High	28
750	23	Medium	36	High	13
751	2	Low	22	Medium	20
752	8	Low	31	High	23
753	4	Low	16	Medium	12
754	2	Low	8	Low	6
755	7	Low	20	Medium	13
756	10	Low	36	High	26
757	11	Low	36	High	25
758	4	Low	24	Medium	20
759	5	Low	5	Low	0
760	5	Low	2	Low	-3
761	6	Low	6	Low	0
762	7	Low	8	Low	1
763	7	Low	10	Low	3
764	2	Low	2	Low	0
765	2	Low	6	Low	4

789	1	Low	7	Low	6
790	5	Low	31	High	26
791	3	Low	3	Low	0
792	2	Low	19	Medium	17
793	3	Low	7	Low	4
794	15	Medium	29	High	14
795	2	Low	19	Medium	17
796	2	Low	20	Medium	18
797	18	Medium	29	High	11
798	11	Low	30	High	19
799	9	Low	16	Medium	7
800	0	Low	35	High	35
801	7	Low	23	Medium	16
802	18	Medium	36	High	18
803	8	Low	33	High	25
804	10	Low	22	Medium	12
805	14	Medium	35	High	21
806	22	Medium	36	High	14
807	12	Low	33	High	21
808	15	Medium	35	High	20
809	4	Low	9	Low	5
810	2	Low	16	Medium	14
811	9	Low	35	High	26
812	23	Medium	29	High	6
813	10	Low	22	Medium	12
814	26	High	36	High	10
815	35	High	36	High	1
816	15	Medium	36	High	21
817	8	Low	35	High	27
818	4	Low	6	Low	2
819	7	Low	33	High	26
820	8	Low	18	Medium	10
821	4	Low	30	High	26
822	4	Low	27	High	23
823	9	Low	28	High	19
824	13	Medium	30	High	17
825	4	Low	17	Medium	13

5					
766	7	Low	28	High	21
767	6	Low	26	High	20
768	0	Low	36	High	36
769	7	Low	33	High	26
770	21	Medium	33	High	12
771	5	Low	12	Low	7
772	0	Low	6	Low	6
773	4	Low	10	Low	6
774	6	Low	8	Low	2
775	3	Low	14	Medium	11
776	8	Low	13	Medium	5
777	4	Low	18	Medium	14
778	4	Low	10	Low	6
779	2	Low	0	Low	-2
780	8	Low	17	Medium	9

826	9	Low	26	High	17
827	20	Medium	36	High	16
828	7	Low	31	High	24
829	8	Low	28	High	20
830	2	Low	16	Medium	14
831	16	Medium	36	High	20
832	9	Low	35	High	26
833	0	Low	28	High	28
834	5	Low	24	Medium	19
835	12	Low	26	High	14
836	4	Low	32	High	28
837	14	Medium	36	High	22
838	18	Medium	32	High	14
839	4	Low	15	Medium	11
840	2	Low	7	Low	5

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
841	4	Low	23	Medium	19
842	5	Low	18	Medium	13
843	2	Low	17	Medium	15
844	8	Low	26	High	18
845	8	Low	29	High	21
846	20	Medium	36	High	16
847	14	Medium	36	High	22
848	21	Medium	34	High	13
849	1	Low	8	Low	7
850	30	High	36	High	6
851	5	Low	35	High	30
852	8	Low	34	High	26
853	24	Medium	36	High	12
854	9	Low	32	High	23
85	9	Low	35	High	26

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
901	8	Low	29	High	21
902	7	Low	27	High	20
903	23	Medium	36	High	13
904	5	Low	32	High	27
905	12	Low	18	Medium	6
906	8	Low	12	Low	4
907	5	Low	16	Medium	11
908	10	Low	31	High	21
909	10	Low	23	Medium	13
910	9	Low	30	High	21
911	0	Low	23	Medium	23
912	22	Medium	36	High	14
913	13	Medium	34	High	21
914	13	Medium	35	High	22
915	8	Low	24	Medium	16

5					
856	8	Low	35	High	27
857	1	Low	36	High	35
858	3	Low	27	High	24
859	11	Low	36	High	25
860	6	Low	31	High	25
861	1	Low	3	Low	2
862	2	Low	20	Medium	18
863	1	Low	32	High	31
864	9	Low	30	High	21
865	8	Low	32	High	24
866	20	Medium	36	High	16
867	1	Low	4	Low	3
868	2	Low	15	Medium	13
869	4	Low	33	High	29
870	12	Low	34	High	22
871	11	Low	35	High	24
872	24	Medium	35	High	11
873	7	Low	17	Medium	10
874	3	Low	18	Medium	15
875	4	Low	17	Medium	13
876	9	Low	31	High	22
877	2	Low	36	High	34
878	8	Low	31	High	23
879	9	Low	30	High	21
880	25	High	36	High	11
881	25	High	36	High	11
882	12	Low	35	High	23
883	2	Low	11	Low	9
884	12	Low	36	High	24
885	9	Low	36	High	27
886	17	Medium	36	High	19
887	16	Medium	36	High	20
888	11	Low	34	High	23
889	4	Low	26	High	22
890	6	Low	27	High	21
891	15	Medium	34	High	19

916	6	Low	17	Medium	11
917	10	Low	32	High	22
918	6	Low	15	Medium	9
919	6	Low	12	Low	6
920	13	Medium	34	High	21
921	4	Low	18	Medium	14
922	20	Medium	36	High	16
923	20	Medium	21	Medium	1
924	33	High	35	High	2
925	34	High	35	High	1
926	10	Low	36	High	26
927	6	Low	25	High	19
928	8	Low	22	Medium	14
929	5	Low	9	Low	4
930	2	Low	3	Low	1
931	0	Low	27	High	27
932	16	Medium	26	High	10
933	11	Low	34	High	23
934	9	Low	22	Medium	13
935	5	Low	36	High	31
936	0	Low	3	Low	3
937	2	Low	13	Medium	11
938	14	Medium	21	Medium	7
939	4	Low	24	Medium	20
940	11	Low	33	High	22
941	5	Low	35	High	30
942	0	Low	2	Low	2
943	8	Low	30	High	22
944	7	Low	35	High	28
945	4	Low	34	High	30
946	7	Low	23	Medium	16
947	2	Low	21	Medium	19
948	16	Medium	36	High	20
949	7	Low	12	Low	5
950	6	Low	32	High	26
951	8	Low	36	High	28

892	16	Medium	36	High	20
893	10	Low	22	Medium	12
894	10	Low	20	Medium	10
895	24	Medium	36	High	12
896	18	Medium	35	High	17
897	7	Low	26	High	19
898	13	Medium	36	High	23
899	3	Low	14	Medium	11
900	11	Low	35	High	24

952	6	Low	16	Medium	10
953	3	Low	1	Low	-2
954	3	Low	32	High	29
955	1	Low	18	Medium	17
956	6	Low	26	High	20
957	3	Low	13	Medium	10
958	9	Low	34	High	25
959	5	Low	20	Medium	15
960	4	Low	16	Medium	12

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
961	9	Low	36	High	27
962	3	Low	18	Medium	15
963	2	Low	13	Medium	11
964	14	Medium	18	Medium	4
965	3	Low	11	Low	8
966	8	Low	24	Medium	16
967	3	Low	6	Low	3
968	8	Low	17	Medium	9
969	4	Low	3	Low	-1
970	12	Low	18	Medium	6
971	23	Medium	33	High	10
972	2	Low	9	Low	7
973	6	Low	31	High	25
974	4	Low	8	Low	4
975	6	Low	29	High	23
976	0	Low	0	Low	0
977	16	Medium	36	High	20
978	12	Low	21	Medium	9
979	2	Low	17	Medium	15
980	7	Low	13	Medium	6
981	15	Medium	36	High	21
982	1	Low	30	High	29
983	10	Low	35	High	25
984	12	Low	35	High	23
985	8	Low	29	High	21
986	18	Medium	36	High	18
987	7	Low	27	High	20
988	2	Low	23	Medium	21
989	14	Medium	36	High	22
990	1	Low	32	High	31
991	11	Low	36	High	25
992	8	Low	36	High	28
993	0	Low	18	Medium	18
994	13	Medium	29	High	16
995	13	Medium	36	High	23

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
1,021	7	Low	29	High	22
1,022	21	Medium	36	High	15
1,023	14	Medium	35	High	21
1,024	14	Medium	32	High	18
1,025	19	Medium	34	High	15
1,026	15	Medium	19	Medium	4
1,027	17	Medium	36	High	19
1,028	16	Medium	25	High	9
1,029	10	Low	36	High	26
1,030	16	Medium	21	Medium	5
1,031	4	Low	14	Medium	10
1,032	2	Low	25	High	23
1,033	7	Low	35	High	28
1,034	11	Low	36	High	25
1,035	10	Low	36	High	26
1,036	4	Low	24	Medium	20
1,037	10	Low	32	High	22
1,038	8	Low	33	High	25
1,039	3	Low	22	Medium	19
1,040	19	Medium	36	High	17
1,041	9	Low	23	Medium	14
1,042	5	Low	34	High	29
1,043	27	High	36	High	9
1,044	12	Low	36	High	24
1,045	8	Low	12	Low	4
1,046	10	Low	31	High	21
1,047	32	High	36	High	4
1,048	11	Low	28	High	17
1,049	25	High	36	High	11
1,050	20	Medium	36	High	16
1,051	11	Low	35	High	24
1,052	8	Low	29	High	21
1,053	6	Low	36	High	30
1,054	13	Medium	27	High	14
1,055	12	Low	23	Medium	11

		m			
996	25	High	36	High	11
997	12	Low	31	High	19
998	9	Low	18	Medium	9
999	7	Low	25	High	18
1,000	6	Low	13	Medium	7
1,001	13	Mediu m	25	High	12
1,002	9	Low	13	Medium	4
1,003	14	Mediu m	36	High	22
1,004	11	Low	23	Medium	12
1,005	11	Low	19	Medium	8
1,006	24	Mediu m	36	High	12
1,007	15	Mediu m	35	High	20
1,008	14	Mediu m	12	Low	-2
1,009	18	Mediu m	36	High	18
1,010	24	Mediu m	36	High	12
1,011	19	Mediu m	25	High	6
1,012	13	Mediu m	35	High	22
1,013	13	Mediu m	35	High	22
1,014	12	Low	26	High	14
1,015	30	High	36	High	6
1,016	9	Low	24	Medium	15
1,017	25	High	34	High	9
1,018	9	Low	36	High	27
1,019	18	Mediu m	36	High	18
1,020	22	Mediu m	36	High	14

1,056	20	Medium	35	High	15
1,057	5	Low	30	High	25
1,058	9	Low	25	High	16
1,059	16	Medium	35	High	19
1,060	10	Low	21	Medium	11
1,061	11	Low	29	High	18
1,062	10	Low	30	High	20
1,063	9	Low	30	High	21
1,064	10	Low	22	Medium	12
1,065	6	Low	19	Medium	13
1,066	9	Low	21	Medium	12
1,067	9	Low	24	Medium	15
1,068	7	Low	17	Medium	10
1,069	27	High	36	High	9
1,070	10	Low	27	High	17
1,071	13	Medium	31	High	18
1,072	6	Low	19	Medium	13
1,073	4	Low	14	Medium	10
1,074	6	Low	13	Medium	7
1,075	8	Low	12	Low	4
1,076	16	Medium	36	High	20
1,077	20	Medium	34	High	14
1,078	6	Low	33	High	27
1,079	11	Low	14	Medium	3
1,080	10	Low	28	High	18

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
1,081	13	Medium	36	High	23
1,082	4	Low	20	Medium	16
1,083	5	Low	26	High	21
1,084	4	Low	14	Medium	10
1,085	15	Medium	21	Medium	6
1,086	7	Low	11	Low	4
1,087	9	Low	23	Medium	14
1,088	4	Low	10	Low	6
1,089	5	Low	17	Medium	12
1,090	8	Low	15	Medium	7
1,091	14	Medium	34	High	20
1,092	8	Low	23	Medium	15
1,093	14	Medium	24	Medium	10
1,094	9	Low	9	Low	0
1,095	8	Low	17	Medium	9
1,096	10	Low	31	High	21
1,097	11	Low	20	Medium	9
1,098	8	Low	24	Medium	16
1,099	2	Low	9	Low	7
1,100	6	Low	16	Medium	10
1,101	9	Low	10	Low	1

1,102	11	Low	11	Low	0
1,103	6	Low	17	Medium	11
1,104	6	Low	4	Low	-2
1,105	6	Low	10	Low	4
1,106	6	Low	33	High	27
1,107	8	Low	15	Medium	7
1,108	33	High	36	High	3
1,109	4	Low	5	Low	1
1,110	2	Low	5	Low	3
1,111	6	Low	26	High	20
1,112	5	Low	13	Medium	8
1,113	0	Low	35	High	35
1,114	2	Low	10	Low	8
1,115	1	Low	11	Low	10
1,116	9	Low	19	Medium	10
1,117	10	Low	21	Medium	11
1,118	14	Medium	29	High	15

Outcome Year 3

Table 4: *Individual Performance in Bamboo Addition and Subtraction Level 1 Program*

No.	Initial Assessment		Final Assessment		(F) - (I)	No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level			Correct Responses (I)	Level	Correct Responses (F)	Level	
1	9	Low	24	Medium	15	**61**	0	Low	1	Low	1
2	12	Low	35	High	23	**62**	12	Low	18	Medium	6
3	11	Low	26	High	15	**63**	18	Medium	36	High	18
4	2	Low	24	Medium	22	**64**	10	Low	12	Low	2
5	5	Low	17	Medium	12	**65**	0	Low	12	Low	12
6	9	Low	20	Medium	11	**66**	10	Low	33	High	23
7	7	Low	15	Medium	8	**67**	14	Medium	22	Medium	8
8	4	Low	29	High	25	**68**	10	Low	27	High	17
9	16	Medium	28	High	12	**69**	27	High	24	Medium	-3
10	18	Medium	20	Medium	2	**70**	10	Low	32	High	22

11	21	Medium	20	Medium	-1
12	10	Low	12	Low	2
13	25	High	27	High	2
14	7	Low	22	Medium	15
15	15	Medium	36	High	21
16	32	High	36	High	4
17	10	Low	32	High	22
18	29	High	36	High	7
19	17	Medium	25	High	8
20	26	High	36	High	10
21	16	Medium	29	High	13
22	27	High	34	High	7
23	33	High	36	High	3
24	31	High	36	High	5
25	3	Low	22	Medium	19
26	9	Low	14	Medium	5
27	15	Medium	30	High	15
28	15	Medium	17	Medium	2
29	9	Low	18	Medium	9
30	5	Low	7	Low	2
31	22	Medium	29	High	7
32	13	Medium	30	High	17
33	4	Low	11	Low	7
34	9	Low	36	High	27
35	21	Medium	26	High	5
36	10	Low	10	Low	0
37	15	Medium	34	High	19
38	2	Low	8	Low	6
39	24	Medium	36	High	12
40	25	High	36	High	11
41	21	Medium	36	High	15
42	7	Low	36	High	29
43	34	High	35	High	1
44	7	Low	34	High	27
45	11	Low	23	Medium	12
46	6	Low	26	High	20
47	6	Low	30	High	24
48	14	Medium	29	High	15
49	5	Low	30	High	25
50	6	Low	18	Medium	12
51	21	Medium	35	High	14
52	1	Low	12	Low	11
53	11	Low	35	High	24
54	19	Mediu	34	High	15

71	32	High	35	High	3
72	0	Low	14	Medium	14
73	10	Low	22	Medium	12
74	3	Low	35	High	32
75	7	Low	20	Medium	13
76	3	Low	5	Low	2
77	17	Medium	36	High	19
78	16	Medium	19	Medium	3
79	27	High	36	High	9
80	1	Low	23	Medium	22
81	6	Low	27	High	21
82	17	Medium	36	High	19
83	15	Medium	36	High	21
84	6	Low	12	Low	6
85	25	High	35	High	10
86	24	Medium	36	High	12
87	15	Medium	35	High	20
88	28	High	36	High	8
89	3	Low	9	Low	6
90	14	Medium	20	Medium	6
91	4	Low	7	Low	3
92	9	Low	13	Medium	4
93	14	Medium	30	High	16
94	14	Medium	33	High	19
95	0	Low	14	Medium	14
96	28	High	35	High	7
97	9	Low	13	Medium	4
98	4	Low	16	Medium	12
99	7	Low	24	Medium	17
100	20	Medium	36	High	16
101	8	Low	32	High	24
102	15	Medium	13	Medium	-2
103	27	High	36	High	9
104	24	Medium	36	High	12
105	11	Low	24	Medium	13
106	11	Low	36	High	25
107	16	Medium	22	Medium	6
108	23	Medium	33	High	10
109	24	Medium	36	High	12
110	0	Low	30	High	30
111	2	Low	28	High	26
112	15	Medium	35	High	20
113	9	Low	21	Medium	12
11	13	Medium	21	Medium	8

		m			
55	11	Low	17	Medium	6
56	15	Medium	29	High	14
57	12	Low	24	Medium	12
58	17	Medium	36	High	19
59	35	High	36	High	1
60	17	Medium	36	High	19

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115	16	Medium	29	High	13
116	8	Low	18	Medium	10
117	6	Low	36	High	30
118	4	Low	12	Low	8
119	13	Medium	23	Medium	10
120	1	Low	22	Medium	21

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
121	22	Medium	29	High	7
122	25	High	36	High	11
123	9	Low	24	Medium	15
124	6	Low	31	High	25
125	9	Low	26	High	17
126	8	Low	24	Medium	16
127	11	Low	24	Medium	13
128	5	Low	25	High	20
129	16	Medium	35	High	19
130	22	Medium	35	High	13
131	20	Medium	27	High	7
132	13	Medium	33	High	20
133	24	Medium	33	High	9
134	29	High	36	High	7
135	11	Low	28	High	17
136	15	Medium	35	High	20
137	0	Low	9	Low	9
138	35	High	36	High	1
139	20	Medium	34	High	14
140	14	Medium	35	High	21
141	8	Low	25	High	17
142	10	Low	19	Medium	9
143	27	High	35	High	8
144	18	Medium	22	Medium	4
145	8	Low	21	Medium	13
146	4	Low	8	Low	4

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
181	24	Medium	35	High	11
182	22	Medium	36	High	14
183	9	Low	27	High	18
184	17	Medium	18	Medium	1
185	5	Low	16	Medium	11
186	6	Low	29	High	23
187	15	Medium	28	High	13
188	9	Low	22	Medium	13
189	7	Low	13	Medium	6
190	4	Low	10	Low	6
191	17	Medium	30	High	13
192	22	Medium	34	High	12
193	2	Low	12	Low	10
194	11	Low	33	High	22
195	1	Low	11	Low	10
196	10	Low	24	Medium	14
197	6	Low	33	High	27
198	3	Low	7	Low	4
199	21	Medium	33	High	12
200	5	Low	24	Medium	19
201	4	Low	35	High	31
202	19	Medium	34	High	15
203	12	Low	36	High	24
204	6	Low	35	High	29
205	21	Medium	36	High	15
206	18	Medium	36	High	18

147	30	High	35	High	5
148	6	Low	16	Medium	10
149	7	Low	25	High	18
150	27	High	36	High	9
151	9	Low	30	High	21
152	14	Medium	31	High	17
153	6	Low	6	Low	0
154	8	Low	17	Medium	9
155	16	Medium	35	High	19
156	13	Medium	22	Medium	9
157	16	Medium	34	High	18
158	15	Medium	24	Medium	9
159	1	Low	4	Low	3
160	3	Low	36	High	33
161	8	Low	20	Medium	12
162	7	Low	19	Medium	12
163	5	Low	19	Medium	14
164	6	Low	11	Low	5
165	19	Medium	27	High	8
166	2	Low	23	Medium	21
167	14	Medium	18	Medium	4
168	25	High	35	High	10
169	13	Medium	31	High	18
170	12	Low	22	Medium	10
171	30	High	36	High	6
172	11	Low	35	High	24
173	16	Medium	13	Medium	-3
174	34	High	35	High	1
175	7	Low	24	Medium	17
176	13	Medium	26	High	13
177	11	Low	27	High	16
178	8	Low	22	Medium	14
179	17	Medium	36	High	19
180	29	High	36	High	7

207	15	Medium	26	High	11
208	2	Low	31	High	29
209	3	Low	19	Medium	16
210	6	Low	24	Medium	18
211	3	Low	16	Medium	13
212	0	Low	0	Low	0
213	8	Low	34	High	26
214	4	Low	30	High	26
215	9	Low	26	High	17
216	5	Low	17	Medium	12
217	23	Medium	31	High	8
218	8	Low	17	Medium	9
219	6	Low	12	Low	6
220	3	Low	5	Low	2
221	10	Low	15	Medium	5
222	19	Medium	32	High	13
223	4	Low	7	Low	3
224	4	Low	6	Low	2
225	9	Low	27	High	18
226	3	Low	7	Low	4
227	9	Low	22	Medium	13
228	13	Medium	33	High	20
229	11	Low	35	High	24
230	4	Low	15	Medium	11
231	5	Low	17	Medium	12
232	10	Low	28	High	18
233	2	Low	13	Medium	11
234	4	Low	19	Medium	15
235	4	Low	18	Medium	14
236	2	Low	12	Low	10
237	15	Medium	20	Medium	5
238	16	Medium	25	High	9
239	6	Low	5	Low	-1
240	3	Low	28	High	25

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
241	12	Low	31	High	19
242	16	Medium	29	High	13
243	4	Low	14	Medium	10
244	8	Low	12	Low	4
245	24	Medium	21	Medium	-3
246	9	Low	30	High	21
247	10	Low	26	High	16
248	4	Low	6	Low	2
249	5	Low	12	Low	7
250	3	Low	16	Medium	13
251	6	Low	16	Medium	10
252	4	Low	11	Low	7
253	26	High	35	High	9
254	10	Low	14	Medium	4
255	14	Medium	21	Medium	7
256	10	Low	17	Medium	7
257	4	Low	12	Low	8
258	2	Low	8	Low	6
259	6	Low	10	Low	4
260	10	Low	7	Low	-3
261	4	Low	16	Medium	12
262	12	Low	11	Low	-1
263	4	Low	6	Low	2
264	0	Low	11	Low	11
265	7	Low	15	Medium	8
266	4	Low	14	Medium	10
267	4	Low	14	Medium	10
268	15	Medium	34	High	19
269	17	Medium	36	High	19
270	5	Low	22	Medium	17
271	18	Medium	27	High	9
272	12	Low	28	High	16
273	24	Medium	36	High	12

274	3	Low	20	Medium	17
275	11	Low	34	High	23
276	31	High	35	High	4
277	7	Low	15	Medium	8
278	5	Low	18	Medium	13
279	9	Low	20	Medium	11
280	7	Low	13	Medium	6
281	9	Low	21	Medium	12
282	8	Low	24	Medium	16
283	14	Medium	24	Medium	10
284	7	Low	14	Medium	7

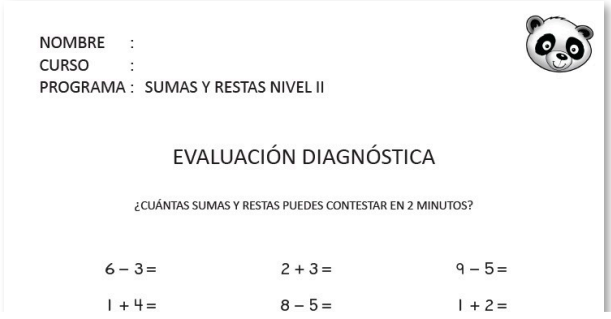
Appendix B: Results of Bamboo Addition and Subtraction Level 2 Program

- **Year 1, 2, and 3**
- **Students Assessed: 1,829**

Assessment Instrument

Students were assessed before the program began and again roughly three months later, using two matched 36-question tests with a strict 2-minute time limit

Initial Assessment


NOMBRE :
CURSO :
PROGRAMA : SUMAS Y RESTAS NIVEL II

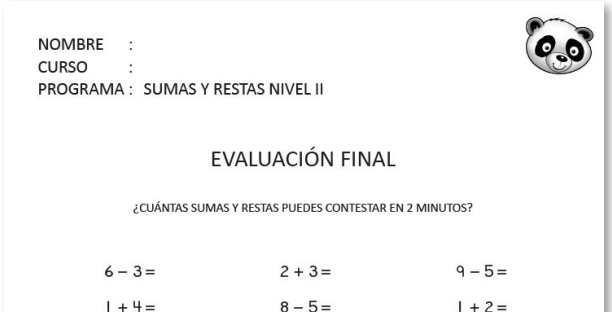
EVALUACIÓN DIAGNÓSTICA

¿CUÁNTAS SUMAS Y RESTAS PUEDES CONTESTAR EN 2 MINUTOS?

6 – 3 = 2 + 3 = 9 – 5 =

1 + 4 = 8 – 5 = 1 + 2 =

Final Assessment


NOMBRE :
CURSO :
PROGRAMA : SUMAS Y RESTAS NIVEL II

EVALUACIÓN FINAL

¿CUÁNTAS SUMAS Y RESTAS PUEDES CONTESTAR EN 2 MINUTOS?

6 – 3 = 2 + 3 = 9 – 5 =

1 + 4 = 8 – 5 = 1 + 2 =

Progress and Percentage Improvement

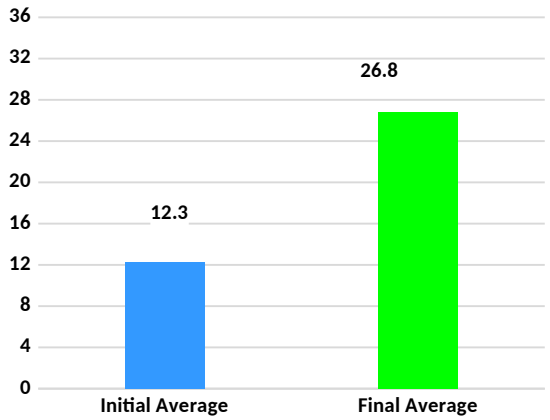


Figure 6: *Initial and Final Averages – Bamboo Addition and Subtraction Program Level 2*

The average number of correct responses in the initial assessment was 12.3 out of a total of 36 questions. After three months, the final evaluation showed an increase in this average to 26.8, indicating an average gain of 14.5 correct responses. This progress corresponds to a percentage improvement of 40.4% for the program.

Categorisation of Outcome Levels

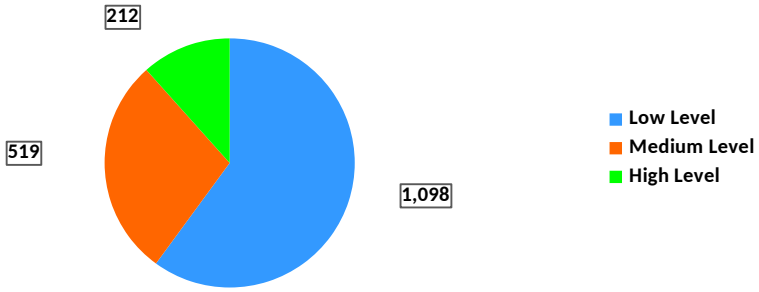


Figure 7: *Initial Student Level - Bamboo Addition and Subtraction Program Level 2*

Of the 1,829 students assessed in the initial stage, it was found that 1,098 (60%) are at the Low Level, 519 (28%) are at the Medium Level, and 212 (12%) are at the High Level.

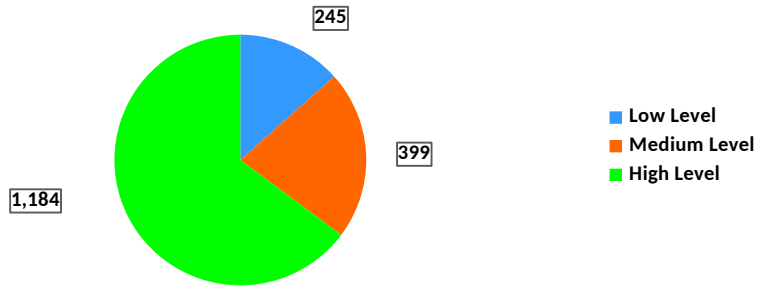


Figure 8: *Final Student Level - Bamboo Addition and Subtraction Program Level 2*

In the final assessment, the number of students at the Low Level fell substantially from 1,098 (60%) to 245 (13%). In contrast, there was a notable increase in the High Level: students rose from 212 (12%) to 1,185 (65%).

Analysis of Students' Distribution

Table 5: *Transition Between Levels - Bamboo Addition and Subtraction Program Level 2*

Initial Level/Final Level	Low Level	Medium Level	High Level	Initial Total
Low Level	239	319	540	1,098
Medium Level	6	80	433	519
High Level	0	0	212	212
Final Total	245	399	1,185	1,829

As shown, of the 1,098 students who initially classified at the Low Level:

- 239 students (21.8%) remained at the same Level.
- 319 students (29.1%) progressed to the Medium Level.
- 540 students (49.2%) advanced to the High Level.

In contrast, among the 519 students who began at the Medium Level:

- 6 students (1.2%) regressed to the Low Level.
- 80 students (15.4%) remained at the Medium Level.
- 433 students (83.4%) advanced to the High Level.

Finally, all 212 students (100%) who were at the High Level at the beginning maintained this level by the end of the evaluation.

Outcome Year 1

Table 6: *Individual Performance in Bamboo Addition and Subtraction Level 2 Program*

No.	Initial Assessment		Final Evaluation		(F) - (I)	No.	Initial Assessment		Final Evaluation		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level			Correct Responses (I)	Level	Correct Responses (F)	Level	
1	8	Low	18	Medium	10	**61**	12	Low	14	Medium	2
2	5	Low	4	Low	-1	**62**	12	Low	36	High	24
3	5	Low	3	Low	-2	**63**	13	Medium	13	Medium	0
4	16	Medium	24	Medium	8	**64**	4	Low	3	Low	-1
5	8	Low	25	High	17	**65**	12	Low	21	Medium	9
6	11	Low	15	Medium	4	**66**	10	Low	17	Medium	7
7	5	Low	22	Medium	17	**67**	8	Low	14	Medium	6
8	4	Low	3	Low	-1	**68**	13	Medium	25	High	12
9	26	High	34	High	8	**69**	16	Medium	36	High	20
10	14	Medium	36	High	22	**70**	20	Medium	35	High	15
11	3	Low	11	Low	8	**71**	7	Low	7	Low	0
12	4	Low	9	Low	5	**72**	18	Medium	21	Medium	3
13	19	Medium	36	High	17	**73**	9	Low	11	Low	2
14	11	Low	20	Medium	9	**74**	36	High	36	High	0
15	10	Low	23	Mediu	13	**75**	4	Low	5	Low	1

				m	
16	8	Low	22	Medium	14
17	7	Low	36	High	29
18	25	High	34	High	9
19	19	Medium	36	High	17
20	12	Low	24	Medium	12
21	15	Medium	33	High	18
22	5	Low	3	Low	-2
23	9	Low	24	Medium	15
24	8	Low	14	Medium	6
25	21	Medium	33	High	12
26	11	Low	10	Low	-1
27	6	Low	21	Medium	15
28	15	Medium	14	Medium	-1
29	11	Low	27	High	16
30	10	Low	20	Medium	10
31	15	Medium	36	High	21
32	5	Low	11	Low	6
33	4	Low	16	Medium	12
34	6	Low	14	Medium	8
35	16	Medium	34	High	18
36	8	Low	35	High	27
37	5	Low	11	Low	6
38	8	Low	8	Low	0
39	9	Low	16	Medium	7
40	7	Low	26	High	19
41	8	Low	7	Low	-1
42	13	Medium	23	Medium	10
43	15	Medium	15	Medium	0
44	9	Low	14	Medium	5
45	4	Low	3	Low	-1
46	17	Medium	16	Medium	-1
47	6	Low	14	Medium	8
48	10	Low	10	Low	0
49	5	Low	3	Low	-2
50	2	Low	2	Low	0
51	15	Medium	13	Medium	-2
52	0	Low	2	Low	2
53	4	Low	4	Low	0
54	11	Low	36	High	25
55	20	Medium	36	High	16
56	16	Mediu	16	Mediu	0

76	17	Medium	34	High	17
77	8	Low	5	Low	-3
78	5	Low	6	Low	1
79	4	Low	8	Low	4
80	18	Medium	29	High	11
81	18	Medium	17	Medium	-1
82	24	Medium	30	High	6
83	9	Low	9	Low	0
84	8	Low	9	Low	1
85	12	Low	12	Low	0
86	17	Medium	35	High	18
87	12	Low	11	Low	-1
88	36	High	35	High	-1
89	30	High	27	High	-3
90	7	Low	18	Medium	11
91	34	High	36	High	2
92	11	Low	30	High	19
93	10	Low	31	High	21
94	2	Low	7	Low	5
95	5	Low	14	Medium	9
96	6	Low	19	Medium	13
97	11	Low	19	Medium	8
98	8	Low	25	High	17
99	7	Low	7	Low	0
100	4	Low	3	Low	-1
101	8	Low	12	Low	4
102	14	Medium	19	Medium	5
103	10	Low	36	High	26
104	15	Medium	29	High	14
105	4	Low	9	Low	5
106	10	Low	13	Medium	3
107	7	Low	8	Low	1
108	9	Low	10	Low	1
109	12	Low	23	Medium	11
110	14	Medium	20	Medium	6
111	6	Low	6	Low	0
112	11	Low	20	Medium	9
113	3	Low	6	Low	3
114	9	Low	19	Medium	10
115	4	Low	4	Low	0
11	9	Low	19	Medium	10

		m		m	
57	15	Mediu m	13	Mediu m	-2
58	8	Low	8	Low	0
59	28	High	31	High	3
60	9	Low	7	Low	-2

6					
117	2	Low	6	Low	4
118	4	Low	16	Medium	12
119	6	Low	10	Low	4
120	6	Low	18	Medium	12

No.	Initial Assessment		Final Evaluation		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
121	12	Low	13	Medium	1
122	10	Low	23	Medium	13
123	6	Low	9	Low	3
124	5	Low	8	Low	3
125	1	Low	5	Low	4
126	9	Low	13	Medium	4
127	3	Low	6	Low	3
128	7	Low	4	Low	-3
129	2	Low	3	Low	1
130	16	Medium	33	High	17
131	4	Low	13	Medium	9
132	4	Low	21	Medium	17
133	15	Medium	32	High	17
134	13	Medium	29	High	16
135	18	Medium	23	Medium	5
136	14	Medium	34	High	20
137	7	Low	24	Medium	17
138	10	Low	26	High	16
139	6	Low	6	Low	0
140	24	Medium	29	High	5
141	7	Low	14	Medium	7
142	2	Low	3	Low	1
143	7	Low	7	Low	0
144	17	Medium	35	High	18
145	22	Medium	34	High	12
146	20	Medium	36	High	16
147	8	Low	32	High	24
148	15	Medium	18	Medium	3

No.	Initial Assessment		Final Evaluation		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
187	10	Low	21	Medium	11
188	3	Low	8	Low	5
189	17	Medium	30	High	13
190	31	High	36	High	5
191	12	Low	31	High	19
192	2	Low	4	Low	2
193	13	Medium	33	High	20
194	3	Low	4	Low	1
195	6	Low	17	Medium	11
196	1	Low	8	Low	7
197	17	Medium	29	High	12
198	8	Low	11	Low	3
199	7	Low	10	Low	3
200	5	Low	27	High	22
201	4	Low	8	Low	4
202	20	Medium	35	High	15
203	8	Low	22	Medium	14
204	11	Low	34	High	23
205	20	Medium	36	High	16
206	12	Low	34	High	22
207	28	High	36	High	8
208	11	Low	31	High	20
209	3	Low	4	Low	1
210	11	Low	25	High	14
211	13	Medium	19	Medium	6
212	15	Medium	27	High	12
213	5	Low	19	Medium	14
214	22	Medium	31	High	9

149	11	Low	35	High	24
150	4	Low	35	High	31
151	5	Low	17	Medium	12
152	13	Medium	11	Low	-2
153	4	Low	28	High	24
154	4	Low	9	Low	5
155	7	Low	26	High	19
156	1	Low	10	Low	9
157	23	Medium	36	High	13
158	3	Low	8	Low	5
159	17	Medium	36	High	19
160	3	Low	10	Low	7
161	3	Low	1	Low	-2
162	1	Low	10	Low	9
163	2	Low	21	Medium	19
164	2	Low	11	Low	9
165	1	Low	4	Low	3
166	14	Medium	31	High	17
167	19	Medium	33	High	14
168	6	Low	22	Medium	16
169	0	Low	2	Low	2
170	4	Low	14	Medium	10
171	0	Low	3	Low	3
172	9	Low	28	High	19
173	26	High	33	High	7
174	18	Medium	34	High	16
175	8	Low	10	Low	2
176	2	Low	9	Low	7
177	2	Low	9	Low	7
178	2	Low	8	Low	6
179	7	Low	36	High	29
180	6	Low	8	Low	2
181	12	Low	21	Medium	9
182	22	Medium	27	High	5
183	4	Low	4	Low	0
184	0	Low	10	Low	10
185	12	Low	12	Low	0

215	10	Low	27	High	17
216	19	Medium	35	High	16
217	12	Low	36	High	24
218	21	Medium	36	High	15
219	11	Low	32	High	21
220	29	High	36	High	7
221	11	Low	35	High	24
222	31	High	36	High	5
223	9	Low	27	High	18
224	25	High	36	High	11
225	35	High	35	High	0
226	14	Medium	36	High	22
227	19	Medium	29	High	10
228	12	Low	21	Medium	9
229	22	Medium	36	High	14
230	2	Low	32	High	30
231	10	Low	34	High	24
232	34	High	36	High	2
233	18	Medium	36	High	18
234	35	High	36	High	1
235	5	Low	7	Low	2
236	34	High	35	High	1
237	32	High	34	High	2
238	5	Low	19	Medium	14
239	29	High	36	High	7
240	6	Low	36	High	30
241	33	High	36	High	3
242	35	High	36	High	1
243	30	High	35	High	5
244	13	Medium	36	High	23
245	36	High	36	High	0
246	4	Low	6	Low	2
247	36	High	36	High	0
248	33	High	36	High	3
249	36	High	36	High	0
250	21	Medium	28	High	7
251	36	High	36	High	0

5					
186	14	Medium	36	High	22

252	30	High	33	High	3

Outcome Year 2

Table 7: *Individual Performance in Bamboo Addition and Subtraction Level 2 Program*

No.	Initial Assessment		Final Evaluation		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
1	2	Low	25	High	23
2	6	Low	28	High	22
3	4	Low	35	High	31
4	6	Low	19	Medium	13
5	3	Low	22	Medium	19
6	4	Low	36	High	32
7	9	Low	23	Medium	14
8	7	Low	19	Medium	12
9	4	Low	6	Low	2
10	5	Low	36	High	31
11	6	Low	36	High	30
12	17	Medium	33	High	16
13	4	Low	36	High	32
14	11	Low	36	High	25
15	4	Low	5	Low	1
16	11	Low	22	Medium	11
17	11	Low	33	High	22
18	4	Low	29	High	25
19	6	Low	27	High	21
20	3	Low	10	Low	7
21	4	Low	31	High	27
22	12	Low	28	High	16
23	11	Low	24	Medium	13
24	27	High	36	High	9
25	20	Medium	36	High	16
26	9	Low	31	High	22
27	4	Low	13	Medium	9
28	4	Low	6	Low	2
29	5	Low	10	Low	5
30	5	Low	2	Low	-3
31	35	High	36	High	1
32	7	Low	29	High	22
33	4	Low	20	Medium	16
34	8	Low	32	High	24
35	10	Low	34	High	24
36	8	Low	25	High	17
37	15	Medium	29	High	14
38	10	Low	34	High	24
39	2	Low	8	Low	6
40	3	Low	6	Low	3
41	6	Low	35	High	29
42	8	Low	32	High	24
43	8	Low	15	Medium	7
44	7	Low	26	High	19
45	4	Low	13	Mediu	9

No.	Initial Assessment		Final Evaluation		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
61	26	High	36	High	10
62	36	High	36	High	0
63	13	Medium	32	High	19
64	16	Medium	20	Medium	4
65	27	High	35	High	8
66	16	Medium	30	High	14
67	28	High	31	High	3
68	7	Low	10	Low	3
69	9	Low	32	High	23
70	18	Medium	34	High	16
71	12	Low	23	Medium	11
72	25	High	36	High	11
73	26	High	34	High	8
74	4	Low	23	Medium	19
75	33	High	36	High	3
76	5	Low	8	Low	3
77	15	Medium	24	Medium	9
78	21	Medium	30	High	9
79	25	High	30	High	5
80	36	High	36	High	0
81	30	High	35	High	5
82	14	Medium	32	High	18
83	35	High	34	High	-1
84	36	High	36	High	0
85	11	Low	36	High	25
86	5	Low	13	Medium	8
87	2	Low	33	High	31
88	4	Low	11	Low	7
89	11	Low	22	Medium	11
90	35	High	36	High	1
91	10	Low	28	High	18
92	11	Low	9	Low	-2
93	3	Low	12	Low	9
94	10	Low	22	Medium	12
95	6	Low	17	Medium	11
96	12	Low	30	High	18
97	8	Low	26	High	18
98	6	Low	14	Medium	8
99	3	Low	13	Medium	10
100	0	Low	13	Medium	13
101	13	Medium	30	High	17
102	36	High	36	High	0
103	11	Low	14	Medium	3
104	6	Low	30	High	24
10	3	Low	6	Low	3

				m	
46	5	Low	23	Medium	18
47	18	Medium	36	High	18
48	5	Low	36	High	31
49	15	Medium	36	High	21
50	21	Medium	36	High	15
51	7	Low	24	Medium	17
52	9	Low	33	High	24
53	4	Low	30	High	26
54	5	Low	34	High	29
55	2	Low	12	Low	10
56	8	Low	20	Medium	12
57	23	Medium	34	High	11
58	25	High	35	High	10
59	14	Medium	29	High	15
60	20	Medium	26	High	6

5					
106	26	High	34	High	8
107	29	High	35	High	6
108	9	Low	31	High	22
109	16	Medium	29	High	13
110	8	Low	32	High	24
111	8	Low	10	Low	2
112	7	Low	25	High	18
113	24	Medium	25	High	1
114	8	Low	12	Low	4
115	36	High	36	High	0
116	4	Low	14	Medium	10
117	11	Low	25	High	14
118	9	Low	13	Medium	4
119	0	Low	19	Medium	19
120	9	Low	35	High	26

No.	Initial Assessment		Final Evaluation		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
121	22	Medium	36	High	14
122	7	Low	28	High	21
123	36	High	36	High	0
124	17	Medium	18	Medium	1
125	5	Low	16	Medium	11
126	36	High	36	High	0
127	7	Low	10	Low	3
128	10	Low	15	Medium	5
129	22	Medium	20	Medium	-2
130	3	Low	7	Low	4
131	7	Low	7	Low	0
132	11	Low	15	Medium	4
133	21	Medium	34	High	13
134	3	Low	20	Medium	17
135	6	Low	4	Low	-2
136	22	Medium	35	High	13

No.	Initial Assessment		Final Evaluation		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
181	3	Low	31	High	28
182	3	Low	4	Low	1
183	9	Low	35	High	26
184	0	Low	3	Low	3
185	2	Low	1	Low	-1
186	23	Medium	34	High	11
187	0	Low	4	Low	4
188	7	Low	11	Low	4
189	18	Medium	29	High	11
190	9	Low	29	High	20
191	15	Medium	34	High	19
192	15	Medium	34	High	19
193	5	Low	16	Medium	11
194	9	Low	19	Medium	10
195	3	Low	15	Medium	12
196	2	Low	36	High	34

137	8	Low	11	Low	3
138	16	Medium	36	High	20
139	4	Low	11	Low	7
140	1	Low	3	Low	2
141	19	Medium	17	Medium	-2
142	15	Medium	36	High	21
143	25	High	29	High	4
144	5	Low	13	Medium	8
145	11	Low	9	Low	-2
146	22	Medium	36	High	14
147	27	High	28	High	1
148	7	Low	12	Low	5
149	13	Medium	15	Medium	2
150	22	Medium	33	High	11
151	24	Medium	35	High	11
152	6	Low	13	Medium	7
153	23	Medium	34	High	11
154	7	Low	15	Medium	8
155	18	Medium	30	High	12
156	3	Low	6	Low	3
157	14	Medium	32	High	18
158	32	High	36	High	4
159	15	Medium	28	High	13
160	30	High	33	High	3
161	30	High	30	High	0
162	13	Medium	35	High	22
163	36	High	35	High	-1
164	7	Low	16	Medium	9
165	29	High	36	High	7
166	9	Low	28	High	19
167	10	Low	11	Low	1
168	9	Low	26	High	17
169	34	High	36	High	2
170	23	Medium	32	High	9
171	6	Low	21	Medium	15
172	8	Low	21	Medium	13
173	20	Medium	19	Medium	-1

197	19	Medium	30	High	11
198	19	Medium	36	High	17
199	20	Medium	35	High	15
200	12	Low	12	Low	0
201	13	Medium	19	Medium	6
202	10	Low	18	Medium	8
203	13	Medium	20	Medium	7
204	8	Low	17	Medium	9
205	15	Medium	26	High	11
206	4	Low	36	High	32
207	14	Medium	21	Medium	7
208	22	Medium	29	High	7
209	6	Low	11	Low	5
210	12	Low	26	High	14
211	3	Low	8	Low	5
212	22	Medium	35	High	13
213	29	High	36	High	7
214	24	Medium	36	High	12
215	15	Medium	36	High	21
216	15	Medium	36	High	21
217	17	Medium	35	High	18
218	17	Medium	35	High	18
219	8	Low	31	High	23
220	4	Low	36	High	32
221	13	Medium	34	High	21
222	26	High	36	High	10
223	14	Medium	35	High	21
224	10	Low	36	High	26
225	14	Medium	35	High	21
226	13	Medium	36	High	23
227	7	Low	31	High	24
228	11	Low	36	High	25
229	19	Medium	35	High	16
230	11	Low	36	High	25
231	21	Medium	36	High	15
232	23	Medium	31	High	8
233	18	Medium	36	High	18

3					
174	11	Low	21	Medium	10
175	11	Low	20	Medium	9
176	14	Medium	23	Medium	9
177	8	Low	18	Medium	10
178	27	High	33	High	6
179	5	Low	14	Medium	9
180	8	Low	20	Medium	12

234	11	Low	30	High	19
235	9	Low	24	Medium	15
236	2	Low	31	High	29
237	15	Medium	34	High	19
238	9	Low	36	High	27
239	7	Low	26	High	19
240	9	Low	36	High	27

No.	Initial Assessment		Final Evaluation		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
241	17	Medium	36	High	19
242	11	Low	31	High	20
243	8	Low	32	High	24
244	11	Low	29	High	18
245	6	Low	23	Medium	17
246	9	Low	36	High	27
247	14	Medium	34	High	20
248	15	Medium	36	High	21
249	24	Medium	36	High	12
250	11	Low	30	High	19
251	8	Low	36	High	28
252	0	Low	36	High	36
253	3	Low	27	High	24
254	5	Low	21	Medium	16
255	11	Low	36	High	25
256	18	Medium	36	High	18
257	16	Medium	35	High	19
258	7	Low	35	High	28
259	10	Low	36	High	26
260	5	Low	36	High	31
261	7	Low	35	High	28
262	10	Low	36	High	26
263	8	Low	35	High	27
264	14	Medium	36	High	22

No.	Initial Assessment		Final Evaluation		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
301	5	Low	2	Low	-3
302	1	Low	15	Medium	14
303	8	Low	18	Medium	10
304	1	Low	2	Low	1
305	12	Low	36	High	24
306	14	Medium	34	High	20
307	36	High	36	High	0
308	15	Medium	35	High	20
309	12	Low	34	High	22
310	27	High	36	High	9
311	10	Low	24	Medium	14
312	10	Low	35	High	25
313	8	Low	31	High	23
314	14	Medium	34	High	20
315	13	Medium	33	High	20
316	35	High	34	High	-1
317	13	Medium	10	Low	-3
318	11	Low	24	Medium	13
319	16	Medium	16	Medium	0
320	14	Medium	23	Medium	9
321	15	Medium	32	High	17
322	2	Low	29	High	27
323	8	Low	31	High	23
324	35	High	36	High	1

265	6	Low	33	High	27
266	11	Low	36	High	25
267	24	Medium	36	High	12
268	7	Low	35	High	28
269	14	Medium	36	High	22
270	25	High	36	High	11
271	4	Low	12	Low	8
272	8	Low	36	High	28
273	12	Low	25	High	13
274	8	Low	36	High	28
275	15	Medium	35	High	20
276	14	Medium	36	High	22
277	5	Low	26	High	21
278	11	Low	28	High	17
279	24	Medium	36	High	12
280	36	High	35	High	-1
281	10	Low	17	Medium	7
282	17	Medium	36	High	19
283	22	Medium	36	High	14
284	36	High	36	High	0
285	8	Low	24	Medium	16
286	4	Low	4	Low	0
287	4	Low	20	Medium	16
288	0	Low	0	Low	0
289	0	Low	6	Low	6
290	21	Medium	36	High	15
291	2	Low	10	Low	8
292	2	Low	11	Low	9
293	11	Low	27	High	16
294	9	Low	28	High	19
295	14	Medium	28	High	14
296	6	Low	28	High	22
297	9	Low	23	Medium	14
298	5	Low	35	High	30
299	16	Medium	34	High	18
300	3	Low	6	Low	3

325	4	Low	14	Medium	10
326	23	Medium	32	High	9
327	28	High	35	High	7
328	7	Low	31	High	24
329	20	Medium	36	High	16
330	11	Low	32	High	21
331	36	High	36	High	0
332	6	Low	32	High	26
333	5	Low	19	Medium	14
334	22	Medium	35	High	13
335	7	Low	22	Medium	15
336	9	Low	8	Low	-1
337	17	Medium	35	High	18
338	27	High	36	High	9
339	14	Medium	32	High	18
340	25	High	33	High	8
341	24	Medium	36	High	12
342	33	High	33	High	0
343	10	Low	36	High	26
344	31	High	36	High	5
345	32	High	36	High	4
346	12	Low	35	High	23
347	7	Low	5	Low	-2
348	35	High	34	High	-1
349	23	Medium	27	High	4
350	15	Medium	36	High	21
351	23	Medium	36	High	13
352	24	Medium	36	High	12
353	24	Medium	36	High	12
354	9	Low	21	Medium	12
355	11	Low	29	High	18
356	35	High	36	High	1
357	21	Medium	35	High	14
358	10	Low	32	High	22
359	35	High	36	High	1
360	13	Medium	13	Medium	0

No.	Initial Assessment		Final Evaluation		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
361	27	High	32	High	5
362	25	High	35	High	10
363	22	Medium	32	High	10
364	21	Medium	36	High	15
365	8	Low	19	Medium	11
366	12	Low	20	Medium	8
367	15	Medium	34	High	19
368	10	Low	33	High	23
369	17	Medium	36	High	19
370	12	Low	36	High	24
371	25	High	35	High	10
372	27	High	36	High	9
373	17	Medium	35	High	18
374	22	Medium	35	High	13
375	30	High	35	High	5
376	9	Low	28	High	19
377	2	Low	2	Low	0
378	17	Medium	34	High	17
379	5	Low	35	High	30
380	12	Low	33	High	21
381	3	Low	12	Low	9
382	16	Medium	33	High	17
383	28	High	33	High	5
384	30	High	36	High	6
385	29	High	36	High	7
386	12	Low	35	High	23
387	10	Low	32	High	22
388	19	Medium	32	High	13
389	33	High	36	High	3
390	19	Medium	36	High	17
391	9	Low	34	High	25
39	4	Low	22	Medium	18

No.	Initial Assessment		Final Evaluation		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
421	9	Low	19	Medium	10
422	3	Low	5	Low	2
423	6	Low	36	High	30
424	10	Low	13	Medium	3
425	10	Low	18	Medium	8
426	2	Low	13	Medium	11
427	9	Low	17	Medium	8
428	0	Low	1	Low	1
429	4	Low	10	Low	6
430	3	Low	27	High	24
431	7	Low	33	High	26
432	4	Low	19	Medium	15
433	3	Low	17	Medium	14
434	4	Low	20	Medium	16
435	3	Low	16	Medium	13
436	2	Low	18	Medium	16
437	6	Low	20	Medium	14
438	3	Low	16	Medium	13
439	16	Medium	36	High	20
440	5	Low	31	High	26
441	0	Low	25	High	25
442	2	Low	13	Medium	11
443	2	Low	8	Low	6
444	2	Low	25	High	23
445	0	Low	10	Low	10
446	4	Low	22	Medium	18
447	13	Medium	19	Medium	6
448	3	Low	19	Medium	16
449	5	Low	35	High	30
450	2	Low	17	Medium	15
451	0	Low	35	High	35
452	5	Low	29	High	24

2					
393	21	Medium	23	Medium	2
394	33	High	34	High	1
395	36	High	35	High	-1
396	3	Low	9	Low	6
397	36	High	36	High	0
398	7	Low	33	High	26
399	27	High	32	High	5
400	11	Low	33	High	22
401	2	Low	11	Low	9
402	2	Low	7	Low	5
403	8	Low	19	Medium	11
404	1	Low	2	Low	1
405	2	Low	7	Low	5
406	0	Low	1	Low	1
407	2	Low	5	Low	3
408	5	Low	21	Medium	16
409	3	Low	12	Low	9
410	9	Low	22	Medium	13
411	11	Low	36	High	25
412	5	Low	34	High	29
413	8	Low	26	High	18
414	8	Low	34	High	26
415	4	Low	8	Low	4
416	2	Low	11	Low	9
417	2	Low	29	High	27
418	2	Low	4	Low	2
419	0	Low	4	Low	4
420	3	Low	20	Medium	17

453	8	Low	6	Low	-2
454	1	Low	36	High	35
455	5	Low	20	Medium	15
456	11	Low	17	Medium	6
457	6	Low	33	High	27
458	2	Low	14	Medium	12
459	3	Low	25	High	22
460	12	Low	35	High	23
461	11	Low	36	High	25
462	4	Low	33	High	29
463	3	Low	10	Low	7
464	21	Medium	21	Medium	0
465	5	Low	13	Medium	8
466	19	Medium	36	High	17
467	12	Low	36	High	24
468	5	Low	10	Low	5
469	1	Low	12	Low	11
470	18	Medium	36	High	18
471	34	High	34	High	0
472	30	High	36	High	6
473	27	High	30	High	3
474	18	Medium	34	High	16
475	18	Medium	35	High	17
476	13	Medium	29	High	16
477	2	Low	2	Low	0
478	13	Medium	35	High	22
479	0	Low	4	Low	4
480	31	High	36	High	5

No.	Initial Assessment		Final Evaluation		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
481	31	High	33	High	2
48	17	Medium	31	High	14

No.	Initial Assessment		Final Evaluation		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
541	4	Low	35	High	31
542	3	Low	4	Low	1

2					
483	4	Low	23	Medium	19
484	5	Low	14	Medium	9
485	5	Low	35	High	30
486	13	Medium	20	Medium	7
487	36	High	36	High	0
488	14	Medium	25	High	11
489	11	Low	30	High	19
490	20	Medium	36	High	16
491	12	Low	35	High	23
492	6	Low	22	Medium	16
493	28	High	35	High	7
494	4	Low	5	Low	1
495	2	Low	8	Low	6
496	17	Medium	34	High	17
497	14	Medium	32	High	18
498	13	Medium	28	High	15
499	9	Low	18	Medium	9
500	18	Medium	26	High	8
501	16	Medium	34	High	18
502	24	Medium	34	High	10
503	18	Medium	36	High	18
504	34	High	36	High	2
505	11	Low	36	High	25
506	8	Low	29	High	21
507	6	Low	34	High	28
508	16	Medium	36	High	20
509	33	High	31	High	-2
510	14	Medium	36	High	22
511	27	High	36	High	9
512	25	High	36	High	11
513	9	Low	36	High	27
514	24	Medium	36	High	12
515	5	Low	36	High	31
516	10	Low	36	High	26
517	4	Low	36	High	32
518	4	Low	34	High	30

543	11	Low	32	High	21
544	2	Low	9	Low	7
545	4	Low	24	Medium	20
546	2	Low	36	High	34
547	24	Medium	33	High	9
548	3	Low	21	Medium	18
549	10	Low	36	High	26
550	3	Low	36	High	33
551	17	Medium	36	High	19
552	4	Low	17	Medium	13
553	5	Low	24	Medium	19
554	3	Low	28	High	25
555	6	Low	35	High	29
556	13	Medium	36	High	23
557	5	Low	28	High	23
558	1	Low	24	Medium	23
559	5	Low	34	High	29
560	8	Low	28	High	20
561	2	Low	36	High	34
562	6	Low	36	High	30
563	9	Low	36	High	27
564	3	Low	24	Medium	21
565	6	Low	24	Medium	18
566	6	Low	31	High	25
567	2	Low	36	High	34
568	8	Low	36	High	28
569	4	Low	28	High	24
570	0	Low	29	High	29
571	3	Low	34	High	31
572	3	Low	36	High	33
573	6	Low	36	High	30
574	3	Low	20	Medium	17
575	6	Low	25	High	19
576	7	Low	36	High	29
577	24	Medium	36	High	12
578	11	Low	26	High	15

519	4	Low	34	High	30
520	4	Low	35	High	31
521	4	Low	39	High	35
522	5	Low	31	High	26
523	4	Low	31	High	27
524	5	Low	36	High	31
525	4	Low	33	High	29
526	2	Low	31	High	29
527	3	Low	28	High	25
528	4	Low	25	High	21
529	7	Low	36	High	29
530	4	Low	36	High	32
531	6	Low	36	High	30
532	10	Low	33	High	23
533	10	Low	36	High	26
534	4	Low	36	High	32
535	7	Low	36	High	29
536	7	Low	28	High	21
537	9	Low	35	High	26
538	7	Low	36	High	29
539	6	Low	11	Low	5
540	5	Low	35	High	30

579	16	Medium	36	High	20
580	5	Low	21	Medium	16
581	13	Medium	32	High	19
582	12	Low	36	High	24
583	5	Low	18	Medium	13
584	16	Medium	35	High	19
585	8	Low	30	High	22
586	6	Low	34	High	28
587	7	Low	32	High	25
588	5	Low	27	High	22
589	19	Medium	36	High	17
590	6	Low	31	High	25
591	7	Low	29	High	22
592	5	Low	28	High	23
593	14	Medium	35	High	21
594	11	Low	34	High	23
595	4	Low	21	Medium	17
596	9	Low	23	Medium	14
597	4	Low	33	High	29
598	19	Medium	35	High	16
599	10	Low	36	High	26
600	2	Low	29	High	27

No.	Initial Assessment		Final Evaluation		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
601	6	Low	20	Medium	14
602	9	Low	36	High	27
603	4	Low	16	Medium	12
604	4	Low	29	High	25
605	10	Low	31	High	21
606	9	Low	29	High	20
607	18	Medium	36	High	18
608	15	Medium	34	High	19

No.	Initial Assessment		Final Evaluation		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
661	13	Medium	29	High	16
662	7	Low	17	Medium	10
663	15	Medium	12	Low	-3
664	6	Low	8	Low	2
665	8	Low	36	High	28
666	36	High	35	High	-1
667	27	High	36	High	9
668	15	Medium	24	Medium	9

609	6	Low	33	High	27
610	8	Low	23	Medium	15
611	4	Low	33	High	29
612	2	Low	36	High	34
613	7	Low	36	High	29
614	15	Medium	25	High	10
615	4	Low	26	High	22
616	9	Low	22	Medium	13
617	6	Low	36	High	30
618	7	Low	36	High	29
619	8	Low	30	High	22
620	7	Low	16	Medium	9
621	7	Low	28	High	21
622	2	Low	34	High	32
623	19	Medium	36	High	17
624	6	Low	36	High	30
625	9	Low	36	High	27
626	12	Low	36	High	24
627	9	Low	36	High	27
628	6	Low	27	High	21
629	5	Low	36	High	31
630	0	Low	32	High	32
631	34	High	35	High	1
632	8	Low	24	Medium	16
633	9	Low	25	High	16
634	2	Low	21	Medium	19
635	3	Low	28	High	25
636	6	Low	33	High	27
637	2	Low	36	High	34
638	4	Low	36	High	32
639	5	Low	34	High	29
640	3	Low	15	Medium	12
641	15	Medium	36	High	21
642	16	Medium	36	High	20
643	4	Low	15	Medium	11
644	6	Low	32	High	26
64	4	Low	11	Low	7

669	7	Low	6	Low	-1
670	3	Low	17	Medium	14
671	6	Low	8	Low	2
672	4	Low	11	Low	7
673	10	Low	23	Medium	13
674	7	Low	15	Medium	8
675	18	Medium	36	High	18
676	22	Medium	36	High	14
677	3	Low	4	Low	1
678	13	Medium	19	Medium	6
679	36	High	35	High	-1
680	33	High	36	High	3
681	15	Medium	25	High	10
682	8	Low	16	Medium	8
683	12	Low	27	High	15
684	6	Low	17	Medium	11
685	22	Medium	20	Medium	-2
686	13	Medium	20	Medium	7
687	16	Medium	17	Medium	1
688	32	High	36	High	4
689	15	Medium	32	High	17
690	12	Low	25	High	13
691	0	Low	1	Low	1
692	0	Low	5	Low	5
693	3	Low	11	Low	8
694	2	Low	10	Low	8
695	4	Low	35	High	31
696	1	Low	22	Medium	21
697	7	Low	35	High	28
698	4	Low	27	High	23
699	14	Medium	35	High	21
700	8	Low	10	Low	2
701	10	Low	14	Medium	4
702	4	Low	34	High	30
703	11	Low	21	Medium	10
704	28	High	36	High	8
705	10	Low	35	High	25

5					
646	9	Low	36	High	27
647	2	Low	12	Low	10
648	4	Low	6	Low	2
649	2	Low	34	High	32
650	6	Low	11	Low	5
651	27	High	36	High	9
652	20	Medium	24	Medium	4
653	12	Low	27	High	15
654	12	Low	14	Medium	2
655	16	Medium	21	Medium	5
656	9	Low	14	Medium	5
657	10	Low	15	Medium	5
658	28	High	35	High	7
659	27	High	34	High	7
660	14	Medium	24	Medium	10

706	6	Low	11	Low	5
707	10	Low	17	Medium	7
708	16	Medium	36	High	20
709	11	Low	14	Medium	3
710	12	Low	16	Medium	4
711	31	High	36	High	5
712	5	Low	18	Medium	13
713	17	Medium	15	Medium	-2
714	15	Medium	17	Medium	2
715	11	Low	20	Medium	9
716	6	Low	20	Medium	14
717	36	High	36	High	0
718	20	Medium	30	High	10
719	12	Low	23	Medium	11
720	8	Low	14	Medium	6

No.	Initial Assessment		Final Evaluation		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
721	16	Medium	27	High	11
722	7	Low	15	Medium	8
723	11	Low	20	Medium	9
724	18	Medium	22	Medium	4
725	14	Medium	18	Medium	4
726	22	Medium	31	High	9
727	4	Low	9	Low	5
728	10	Low	11	Low	1
729	21	Medium	36	High	15
730	7	Low	10	Low	3
731	4	Low	12	Low	8
732	14	Medium	30	High	16
733	8	Low	19	Medium	11
734	17	Medium	31	High	14
73	11	Low	9	Low	-2

No.	Initial Assessment		Final Evaluation		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
781	4	Low	34	High	30
782	10	Low	25	High	15
783	6	Low	15	Medium	9
784	2	Low	24	Medium	22
785	3	Low	20	Medium	17
786	32	High	34	High	2
787	19	Medium	36	High	17
788	12	Low	22	Medium	10
789	18	Medium	26	High	8
790	8	Low	22	Medium	14
791	14	Medium	31	High	17
792	22	Medium	35	High	13
793	9	Low	35	High	26
794	7	Low	17	Medium	10
795	16	Medium	36	High	20

5					
736	14	Medium	15	Medium	1
737	5	Low	5	Low	0
738	3	Low	25	High	22
739	8	Low	5	Low	-3
740	14	Medium	28	High	14
741	5	Low	12	Low	7
742	7	Low	4	Low	-3
743	10	Low	20	Medium	10
744	19	Medium	24	Medium	5
745	13	Medium	15	Medium	2
746	13	Medium	19	Medium	6
747	26	High	26	High	0
748	13	Medium	12	Low	-1
749	1	Low	0	Low	-1
750	14	Medium	12	Low	-2
751	34	High	36	High	2
752	35	High	36	High	1
753	6	Low	15	Medium	9
754	18	Medium	24	Medium	6
755	29	High	35	High	6
756	36	High	36	High	0
757	36	High	36	High	0
758	36	High	35	High	-1
759	5	Low	27	High	22
760	19	Medium	35	High	16
761	16	Medium	24	Medium	8
762	22	Medium	31	High	9
763	36	High	36	High	0
764	20	Medium	27	High	7
765	22	Medium	34	High	12
766	16	Medium	19	Medium	3
767	17	Medium	36	High	19
768	30	High	35	High	5
769	16	Medium	14	Medium	-2
770	11	Low	18	Medium	7
771	29	High	36	High	7

796	6	Low	16	Medium	10
797	11	Low	28	High	17
798	10	Low	17	Medium	7
799	11	Low	34	High	23
800	1	Low	36	High	35
801	18	Medium	36	High	18
802	11	Low	28	High	17
803	12	Low	26	High	14
804	13	Medium	26	High	13
805	17	Medium	15	Medium	-2
806	8	Low	36	High	28
807	5	Low	22	Medium	17
808	8	Low	36	High	28
809	4	Low	18	Medium	14
810	15	Medium	36	High	21
811	18	Medium	35	High	17
812	16	Medium	36	High	20
813	0	Low	21	Medium	21
814	12	Low	27	High	15
815	9	Low	36	High	27
816	4	Low	25	High	21
817	10	Low	35	High	25
818	4	Low	36	High	32
819	16	Medium	28	High	12
820	16	Medium	32	High	16
821	18	Medium	36	High	18
822	4	Low	28	High	24
823	8	Low	27	High	19
824	10	Low	36	High	26
825	36	High	34	High	-2
826	1	Low	26	High	25
827	12	Low	26	High	14
828	31	High	36	High	5
829	32	High	36	High	4
830	20	Medium	36	High	16
831	3	Low	31	High	28

772	17	Medium	19	Medium	2
773	13	Medium	13	Medium	0
774	31	High	36	High	5
775	26	High	36	High	10
776	27	High	36	High	9
777	23	Medium	35	High	12
778	0	Low	1	Low	1
779	8	Low	22	Medium	14
780	4	Low	14	Medium	10

832	6	Low	31	High	25
833	14	Medium	35	High	21
834	13	Medium	13	Medium	0
835	9	Low	21	Medium	12
836	8	Low	16	Medium	8
837	10	Low	29	High	19
838	21	Medium	36	High	15
839	5	Low	10	Low	5
840	12	Low	34	High	22

No.	Initial Assessment		Final Evaluation		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
841	10	Low	31	High	21
842	11	Low	26	High	15
843	23	Medium	34	High	11
844	5	Low	2	Low	-3
845	10	Low	27	High	17
846	15	Medium	36	High	21
847	12	Low	30	High	18
848	15	Medium	31	High	16
849	13	Medium	34	High	21
850	4	Low	35	High	31
851	11	Low	23	Medium	12
852	11	Low	24	Medium	13
853	17	Medium	31	High	14
854	29	High	36	High	7
855	7	Low	34	High	27
856	10	Low	19	Medium	9
857	6	Low	36	High	30
858	13	Medium	36	High	23
859	10	Low	21	Medium	11
860	14	Medium	31	High	17
861	10	Low	7	Low	-3

No.	Initial Assessment		Final Evaluation		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
901	8	Low	22	Medium	14
902	15	Medium	23	Medium	8
903	19	Medium	36	High	17
904	16	Medium	30	High	14
905	13	Medium	36	High	23
906	16	Medium	35	High	19
907	15	Medium	23	Medium	8
908	3	Low	23	Medium	20
909	14	Medium	36	High	22
910	6	Low	14	Medium	8
911	4	Low	36	High	32
912	10	Low	33	High	23
913	1	Low	31	High	30
914	2	Low	35	High	33
915	3	Low	24	Medium	21
916	9	Low	35	High	26
917	3	Low	35	High	32
918	1	Low	24	Medium	23
919	5	Low	19	Medium	14
920	0	Low	14	Medium	14
921	3	Low	36	High	33

862	24	Medium	36	High	12
863	12	Low	27	High	15
864	6	Low	24	Medium	18
865	6	Low	4	Low	-2
866	7	Low	22	Medium	15
867	24	Medium	34	High	10
868	7	Low	29	High	22
869	24	Medium	36	High	12
870	4	Low	23	Medium	19
871	2	Low	11	Low	9
872	0	Low	4	Low	4
873	9	Low	28	High	19
874	13	Medium	19	Medium	6
875	15	Medium	34	High	19
876	13	Medium	36	High	23
877	4	Low	27	High	23
878	23	Medium	36	High	13
879	7	Low	22	Medium	15
880	12	Low	36	High	24
881	28	High	36	High	8
882	13	Medium	36	High	23
883	9	Low	27	High	18
884	13	Medium	32	High	19
885	11	Low	19	Medium	8
886	33	High	36	High	3
887	15	Medium	33	High	18
888	10	Low	26	High	16
889	12	Low	32	High	20
890	14	Medium	34	High	20
891	15	Medium	36	High	21
892	21	Medium	36	High	15
893	17	Medium	36	High	19
894	14	Medium	36	High	22
895	26	High	36	High	10
896	16	Medium	34	High	18
897	22	Medium	36	High	14
898	25	High	36	High	11

922	5	Low	28	High	23
923	1	Low	19	Medium	18
924	3	Low	28	High	25
925	1	Low	15	Medium	14
926	4	Low	29	High	25
927	9	Low	36	High	27
928	14	Medium	36	High	22
929	6	Low	23	Medium	17
930	13	Medium	15	Medium	2
931	1	Low	15	Medium	14
932	15	Medium	36	High	21
933	22	Medium	29	High	7
934	11	Low	23	Medium	12
935	9	Low	14	Medium	5
936	21	Medium	36	High	15
937	20	Medium	36	High	16
938	21	Medium	36	High	15
939	23	Medium	36	High	13
940	20	Medium	36	High	16
941	16	Medium	36	High	20
942	24	Medium	36	High	12
943	17	Medium	35	High	18
944	34	High	35	High	1
945	16	Medium	35	High	19
946	20	Medium	35	High	15
947	28	High	36	High	8
948	23	Medium	36	High	13
949	11	Low	18	Medium	7
950	25	High	36	High	11
951	25	High	36	High	11
952	22	Medium	36	High	14
953	36	High	36	High	0
954	23	Medium	36	High	13
955	31	High	34	High	3
956	17	Medium	36	High	19
957	26	High	36	High	10
958	28	High	35	High	7

8					
889	6	Low	36	High	30
900	5	Low	16	Medium	11

959	33	High	36	High	3
960	22	Medium	31	High	9

No.	Initial Assessment		Final Evaluation		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
961	29	High	36	High	7
962	32	High	35	High	3
963	25	High	35	High	10
964	20	Medium	36	High	16
965	22	Medium	36	High	14
966	25	High	36	High	11
967	27	High	36	High	9
968	19	Medium	34	High	15
969	16	Medium	32	High	16
970	21	Medium	23	Medium	2
971	23	Medium	36	High	13
972	36	High	36	High	0
973	25	High	36	High	11
974	16	Medium	31	High	15
975	15	Medium	24	Medium	9
976	26	High	36	High	10
977	36	High	36	High	0
978	24	Medium	36	High	12
979	18	Medium	36	High	18
980	34	High	36	High	2
981	28	High	36	High	8
982	15	Medium	13	Medium	-2
983	21	Medium	29	High	8
984	34	High	36	High	2
985	18	Medium	20	Medium	2
986	30	High	36	High	6
987	36	High	36	High	0
988	28	High	36	High	8
989	22	Medium	24	Medium	2
990	7	Low	33	High	26
991	22	Medium	36	High	14
992	22	Medium	27	High	5
993	36	High	36	High	0
994	20	Medium	36	High	16
995	22	Medium	31	High	9
996	28	High	28	High	0
997	17	Medium	31	High	14
998	23	Medium	35	High	12
999	18	Medium	31	High	13
1,000	21	Medium	35	High	14
1,001	21	Medium	36	High	15
1,002	15	Medium	36	High	21
1,003	12	Low	36	High	24
1,004	18	Medium	33	High	15
1,005	9	Low	33	High	24
1,006	18	Medium	36	High	18
1,007	25	High	36	High	11
1,008	7	Low	33	High	26
1,009	13	Medium	34	High	21
1,010	10	Low	34	High	24
1,011	17	Medium	33	High	16
1,012	20	Medium	36	High	16
1,013	25	High	36	High	11
1,014	35	High	35	High	0

No.	Initial Assessment		Final Evaluation		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
1,021	16	Medium	30	High	14
1,022	15	Medium	35	High	20
1,023	14	Medium	36	High	22
1,024	13	Medium	36	High	23
1,025	23	Medium	34	High	11
1,026	13	Medium	35	High	22
1,027	12	Low	36	High	24
1,028	7	Low	15	Medium	8
1,029	12	Low	36	High	24
1,030	14	Medium	34	High	20
1,031	18	Medium	31	High	13
1,032	11	Low	36	High	25
1,033	8	Low	23	Medium	15
1,034	12	Low	36	High	24
1,035	13	Medium	35	High	22
1,036	0	Low	0	Low	0
1,037	6	Low	34	High	28
1,038	8	Low	19	Medium	11
1,039	17	Medium	34	High	17
1,040	20	Medium	35	High	15
1,041	12	Low	36	High	24
1,042	34	High	36	High	2
1,043	5	Low	12	Low	7
1,044	10	Low	19	Medium	9
1,045	7	Low	15	Medium	8
1,046	18	Medium	24	Medium	6
1,047	3	Low	25	High	22
1,048	3	Low	36	High	33
1,049	14	Medium	31	High	17
1,050	10	Low	27	High	17
1,051	0	Low	3	Low	3
1,052	12	Low	21	Medium	9
1,053	6	Low	20	Medium	14
1,054	10	Low	29	High	19
1,055	9	Low	20	Medium	11
1,056	10	Low	36	High	26
1,057	0	Low	7	Low	7
1,058	7	Low	15	Medium	8
1,059	9	Low	17	Medium	8
1,060	17	Medium	26	High	9
1,061	12	Low	21	Medium	9
1,062	11	Low	36	High	25
1,063	1	Low	36	High	35
1,064	11	Low	36	High	25
1,065	10	Low	36	High	26
1,066	12	Low	36	High	24
1,067	13	Medium	36	High	23
1,068	11	Low	36	High	25
1,069	7	Low	35	High	28
1,070	4	Low	27	High	23
1,071	10	Low	31	High	21
1,072	4	Low	20	Medium	16
1,073	4	Low	34	High	30
1,074	12	Low	36	High	24

1,015	8	Low	33	High	25
1,016	19	Medium	36	High	17
1,017	35	High	33	High	-2
1,018	18	Medium	35	High	17
1,019	13	Medium	36	High	23
1,020	13	Medium	36	High	23

1,075	8	Low	34	High	26
1,076	12	Low	36	High	24
1,077	0	Low	18	Medium	18
1,078	7	Low	36	High	29
1,079	5	Low	33	High	28
1,080	11	Low	36	High	25

No.	Initial Assessment		Final Evaluation		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
1,081	3	Low	23	Medium	20
1,082	3	Low	2	Low	-1
1,083	4	Low	8	Low	4
1,084	12	Low	34	High	22
1,085	10	Low	36	High	26
1,086	16	Medium	36	High	20
1,087	12	Low	26	High	14
1,088	3	Low	26	High	23
1,089	25	High	34	High	9
1,090	7	Low	14	Medium	7
1,091	7	Low	18	Medium	11
1,092	7	Low	36	High	29
1,093	2	Low	26	High	24
1,094	7	Low	34	High	27
1,095	17	Medium	22	Medium	5
1,096	4	Low	13	Medium	9
1,097	24	Medium	36	High	12
1,098	1	Low	36	High	35
1,099	7	Low	24	Medium	17
1,100	13	Medium	36	High	23
1,101	10	Low	35	High	25
1,102	25	High	36	High	11
1,103	2	Low	4	Low	2
1,104	17	Medium	36	High	19
1,105	2	Low	3	Low	1
1,106	2	Low	19	Medium	17
1,107	17	Medium	36	High	19
1,108	17	Medium	36	High	19
1,109	36	High	36	High	0
1,110	4	Low	35	High	31
1,111	19	Medium	35	High	16
1,112	8	Low	34	High	26
1,113	36	High	36	High	0
1,114	36	High	36	High	0
1,115	1	Low	8	Low	7
1,116	1	Low	21	Medium	20
1,117	11	Low	36	High	25
1,118	8	Low	31	High	23
1,119	8	Low	31	High	23
1,120	8	Low	36	High	28
1,121	12	Low	23	Medium	11
1,122	3	Low	36	High	33
1,123	23	Medium	36	High	13
1,124	23	Mediu	35	High	12

No.	Initial Assessment		Final Evaluation		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
1,141	4	Low	36	High	32
1,142	21	Medium	33	High	12
1,143	9	Low	26	High	17
1,144	11	Low	36	High	25
1,145	21	Medium	36	High	15
1,146	1	Low	36	High	35
1,147	1	Low	28	High	27
1,148	13	Medium	36	High	23
1,149	6	Low	34	High	28
1,150	0	Low	21	Medium	21
1,151	15	Medium	35	High	20
1,152	6	Low	34	High	28
1,153	4	Low	34	High	30
1,154	10	Low	36	High	26
1,155	6	Low	35	High	29
1,156	3	Low	8	Low	5
1,157	19	Medium	36	High	17
1,158	14	Medium	36	High	22
1,159	24	Medium	35	High	11
1,160	13	Medium	26	High	13
1,161	15	Medium	36	High	21
1,162	16	Medium	28	High	12
1,163	10	Low	29	High	19
1,164	16	Medium	36	High	20
1,165	17	Medium	36	High	19
1,166	15	Medium	33	High	18
1,167	25	High	36	High	11
1,168	6	Low	36	High	30
1,169	20	Medium	35	High	15
1,170	4	Low	8	Low	4
1,171	18	Medium	36	High	18
1,172	6	Low	12	Low	6
1,173	7	Low	15	Medium	8
1,174	18	Medium	33	High	15
1,175	7	Low	5	Low	-2
1,176	15	Medium	34	High	19
1,177	7	Low	32	High	25
1,178	22	Medium	36	High	14
1,179	8	Low	29	High	21
1,180	7	Low	6	Low	-1
1,181	27	High	36	High	9
1,182	2	Low	6	Low	4
1,183	5	Low	19	Medium	14

		m			
1,125	13	Mediu m	36	High	23
1,126	8	Low	36	High	28
1,127	13	Mediu m	34	High	21
1,128	5	Low	33	High	28
1,129	10	Low	36	High	26
1,130	9	Low	36	High	27
1,131	5	Low	31	High	26
1,132	14	Mediu m	35	High	21
1,133	12	Low	32	High	20
1,134	24	Mediu m	36	High	12
1,135	4	Low	24	Medium	20
1,136	7	Low	34	High	27
1,137	7	Low	21	Medium	14
1,138	0	Low	28	High	28
1,139	6	Low	26	High	20
1,140	2	Low	24	Medium	22

Outcome Year 3

Table 8: *Individual Performance in Bamboo Addition and Subtraction Level 2 Program*

No.	Initial Assessment		Final Evaluation		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
1	29	High	33	High	4
2	15	Mediu m	25	High	10
3	7	Low	22	Mediu m	15
4	10	Low	26	High	16
5	8	Low	24	Mediu m	16
6	9	Low	22	Mediu m	13
7	0	Low	7	Low	7
8	4	Low	15	Mediu m	11
9	9	Low	25	High	16
10	5	Low	20	Mediu m	15
11	6	Low	7	Low	1
12	7	Low	20	Mediu m	13
13	21	Mediu m	24	Mediu m	3
14	13	Mediu m	20	Mediu m	7
15	10	Low	20	Mediu m	10
16	4	Low	16	Mediu m	12
17	10	Low	23	Mediu m	13
18	15	Mediu m	24	Mediu m	9
19	6	Low	24	Mediu m	18
20	6	Low	17	Mediu m	11
21	27	High	28	High	1

No.	Initial Assessment		Final Evaluation		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
61	7	Low	36	High	29
62	4	Low	9	Low	5
63	8	Low	22	Medium	14
64	0	Low	9	Low	9
65	36	High	36	High	0
66	7	Low	12	Low	5
67	15	Medium	36	High	21
68	2	Low	8	Low	6
69	9	Low	14	Medium	5
70	2	Low	2	Low	0
71	12	Low	19	Medium	7
72	17	Medium	26	High	9
73	36	High	36	High	0
74	16	Medium	30	High	14
75	4	Low	12	Low	8
76	28	High	36	High	8
77	13	Medium	16	Medium	3
78	36	High	36	High	0
79	9	Low	6	Low	-3
80	6	Low	21	Medium	15
81	8	Low	36	High	28

22	3	Low	24	Medium	21
23	4	Low	9	Low	5
24	7	Low	34	High	27
25	8	Low	36	High	28
26	4	Low	9	Low	5
27	3	Low	21	Medium	18
28	5	Low	16	Medium	11
29	36	High	36	High	0
30	21	Medium	23	Medium	2
31	17	Medium	26	High	9
32	6	Low	24	Medium	18
33	24	Medium	30	High	6
34	36	High	36	High	0
35	9	Low	22	Medium	13
36	12	Low	15	Medium	3
37	27	High	35	High	8
38	25	High	26	High	1
39	17	Medium	18	Medium	1
40	24	Medium	23	Medium	-1
41	13	Medium	32	High	19
42	34	High	34	High	0
43	10	Low	16	Medium	6
44	16	Medium	35	High	19
45	30	High	35	High	5
46	0	Low	9	Low	9
47	5	Low	20	Medium	15
48	30	High	35	High	5
49	24	Medium	36	High	12
50	17	Medium	23	Medium	6
51	2	Low	17	Medium	15
52	14	Medium	30	High	16
53	21	Medium	36	High	15
54	36	High	36	High	0
55	15	Medium	27	High	12
56	13	Medium	26	High	13
57	1	Low	7	Low	6
58	4	Low	25	High	21
59	5	Low	28	High	23
60	15	Medium	29	High	14
82	13	Medium	35	High	22
83	4	Low	19	Medium	15
84	4	Low	17	Medium	13
85	4	Low	7	Low	3
86	1	Low	23	Medium	22
87	7	Low	28	High	21
88	7	Low	29	High	22
89	4	Low	35	High	31
90	5	Low	35	High	30
91	4	Low	36	High	32
92	1	Low	10	Low	9
93	19	Medium	36	High	17
94	7	Low	23	Medium	16
95	2	Low	9	Low	7
96	6	Low	20	Medium	14
97	12	Low	36	High	24
98	2	Low	27	High	25
99	2	Low	35	High	33
100	6	Low	36	High	30
101	8	Low	24	Medium	16
102	5	Low	35	High	30
103	0	Low	10	Low	10
104	2	Low	13	Medium	11
105	19	Medium	36	High	17
106	6	Low	36	High	30
107	15	Medium	36	High	21
108	5	Low	14	Medium	9
109	0	Low	28	High	28
110	2	Low	14	Medium	12
111	2	Low	29	High	27
112	3	Low	21	Medium	18
113	13	Medium	19	Medium	6
114	4	Low	26	High	22
115	2	Low	13	Medium	11
116	14	Medium	28	High	14
117	4	Low	27	High	23
118	0	Low	18	Medium	18
119	5	Low	25	High	20
120	3	Low	10	Low	7

No.	Initial Assessment		Final Evaluation		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
121	13	Medium	35	High	22
122	8	Low	8	Low	0
123	4	Low	24	Medium	20
124	2	Low	6	Low	4
125	2	Low	15	Medium	13
126	4	Low	19	Medium	15
127	2	Low	9	Low	7
128	2	Low	19	Medium	17
129	19	Medium	34	High	15
130	3	Low	16	Medium	13
131	12	Low	33	High	21
132	16	Medium	35	High	19
133	26	High	36	High	10
134	24	Medium	36	High	12
135	24	Medium	34	High	10
136	11	Low	25	High	14
137	15	Medium	19	Medium	4
138	23	Medium	36	High	13
139	25	High	25	High	0
140	8	Low	16	Medium	8
141	4	Low	13	Medium	9
142	23	Medium	36	High	13
143	32	High	36	High	4
144	14	Medium	32	High	18
145	25	High	34	High	9
146	4	Low	20	Medium	16
147	36	High	34	High	-2
148	21	Medium	31	High	10
149	32	High	36	High	4
150	13	Medium	29	High	16
151	8	Low	12	Low	4
152	7	Low	16	Medium	9
153	16	Medium	36	High	20
154	13	Medium	33	High	20

No.	Initial Assessment		Final Evaluation		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
181	4	Low	36	High	32
182	6	Low	34	High	28
183	7	Low	32	High	25
184	7	Low	31	High	24
185	26	High	36	High	10
186	13	Medium	34	High	21
187	9	Low	35	High	26
188	13	Medium	34	High	21
189	4	Low	35	High	31
190	12	Low	36	High	24
191	2	Low	35	High	33
192	2	Low	36	High	34
193	2	Low	36	High	34
194	1	Low	34	High	33
195	5	Low	36	High	31
196	2	Low	26	High	24
197	11	Low	36	High	25
198	12	Low	36	High	24
199	4	Low	32	High	28
200	7	Low	30	High	23
201	4	Low	36	High	32
202	15	Medium	35	High	20
203	8	Low	36	High	28
204	3	Low	34	High	31
205	5	Low	35	High	30
206	2	Low	17	Medium	15
207	2	Low	36	High	34
208	3	Low	36	High	33
209	11	Low	36	High	25
210	7	Low	35	High	28
211	4	Low	34	High	30
212	11	Low	36	High	25
213	0	Low	36	High	36
214	3	Low	15	Medium	12

155	9	Low	17	Medium	8
156	15	Medium	32	High	17
157	15	Medium	20	Medium	5
158	13	Medium	32	High	19
159	10	Low	15	Medium	5
160	33	High	36	High	3
161	4	Low	31	High	27
162	2	Low	21	Medium	19
163	4	Low	32	High	28
164	3	Low	36	High	33
165	6	Low	35	High	29
166	3	Low	35	High	32
167	13	Medium	36	High	23
168	8	Low	5	Low	-3
169	5	Low	36	High	31
170	6	Low	32	High	26
171	3	Low	34	High	31
172	33	High	36	High	3
173	4	Low	34	High	30
174	2	Low	18	Medium	16
175	2	Low	36	High	34
176	11	Low	25	High	14
177	16	Medium	36	High	20
178	3	Low	7	Low	4
179	6	Low	18	Medium	12
180	4	Low	11	Low	7

215	5	Low	33	High	28
216	7	Low	33	High	26
217	8	Low	35	High	27
218	2	Low	34	High	32
219	8	Low	36	High	28
220	3	Low	18	Medium	15
221	12	Low	36	High	24
222	4	Low	35	High	31
223	4	Low	36	High	32
224	2	Low	36	High	34
225	6	Low	36	High	30
226	4	Low	35	High	31
227	4	Low	32	High	28
228	18	Medium	36	High	18
229	13	Medium	36	High	23
230	7	Low	36	High	29
231	5	Low	36	High	31
232	9	Low	19	Medium	10
233	3	Low	8	Low	5
234	18	Medium	36	High	18
235	23	Medium	30	High	7
236	6	Low	30	High	24
237	8	Low	36	High	28
238	15	Medium	36	High	21
239	18	Medium	36	High	18
240	1	Low	10	Low	9

No.	Initial Assessment		Final Evaluation		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
241	3	Low	21	Medium	18
242	3	Low	18	Medium	15
243	5	Low	31	High	26
244	5	Low	25	High	20

No.	Initial Assessment		Final Evaluation		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
301	14	Medium	35	High	21
302	16	Medium	34	High	18
303	35	High	34	High	-1
304	21	Medium	36	High	15

245	3	Low	16	Medium	13
246	2	Low	34	High	32
247	9	Low	36	High	27
248	10	Low	27	High	17
249	12	Low	36	High	24
250	3	Low	35	High	32
251	7	Low	33	High	26
252	2	Low	17	Medium	15
253	11	Low	35	High	24
254	6	Low	33	High	27
255	5	Low	32	High	27
256	3	Low	16	Medium	13
257	6	Low	36	High	30
258	13	Medium	30	High	17
259	8	Low	35	High	27
260	9	Low	35	High	26
261	21	Medium	36	High	15
262	13	Medium	36	High	23
263	18	Medium	33	High	15
264	23	Medium	36	High	13
265	24	Medium	35	High	11
266	14	Medium	35	High	21
267	29	High	35	High	6
268	7	Low	32	High	25
269	9	Low	33	High	24
270	22	Medium	35	High	13
271	8	Low	31	High	23
272	20	Medium	36	High	16
273	21	Medium	34	High	13
274	11	Low	36	High	25
275	36	High	36	High	0
276	36	High	36	High	0
277	8	Low	36	High	28
278	12	Low	35	High	23
279	2	Low	36	High	34
280	15	Medium	35	High	20
28	9	Low	35	High	26

305	6	Low	33	High	27
306	19	Medium	36	High	17
307	11	Low	36	High	25
308	15	Medium	36	High	21
309	10	Low	36	High	26
310	4	Low	5	Low	1
311	14	Medium	36	High	22
312	16	Medium	35	High	19
313	9	Low	36	High	27
314	15	Medium	36	High	21
315	10	Low	36	High	26
316	22	Medium	36	High	14
317	17	Medium	27	High	10
318	5	Low	21	Medium	16
319	7	Low	33	High	26
320	11	Low	35	High	24
321	17	Medium	34	High	17
322	17	Medium	36	High	19
323	7	Low	36	High	29
324	13	Medium	36	High	23
325	36	High	36	High	0
326	4	Low	10	Low	6
327	16	Medium	36	High	20
328	1	Low	36	High	35
329	4	Low	36	High	32
330	21	Medium	35	High	14
331	17	Medium	36	High	19
332	9	Low	35	High	26
333	2	Low	9	Low	7
334	13	Medium	35	High	22
335	35	High	36	High	1
336	13	Medium	36	High	23
337	16	Medium	35	High	19
338	5	Low	36	High	31
339	10	Low	36	High	26
340	11	Low	35	High	24
341	12	Low	34	High	22

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282	11	Low	35	High	24
283	9	Low	34	High	25
284	3	Low	34	High	31
285	13	Medium	36	High	23
286	4	Low	32	High	28
287	12	Low	33	High	21
288	13	Medium	36	High	23
289	13	Medium	36	High	23
290	14	Medium	36	High	22
291	36	High	36	High	0
292	36	High	36	High	0
293	17	Medium	34	High	17
294	25	High	36	High	11
295	9	Low	26	High	17
296	14	Medium	32	High	18
297	15	Medium	36	High	21
298	36	High	35	High	-1
299	1	Low	28	High	27
300	7	Low	36	High	29

342	10	Low	35	High	25
343	9	Low	17	Medium	8
344	9	Low	15	Medium	6
345	16	Medium	28	High	12
346	13	Medium	35	High	22
347	23	Medium	35	High	12
348	11	Low	36	High	25
349	19	Medium	34	High	15
350	18	Medium	36	High	18
351	4	Low	36	High	32
352	15	Medium	36	High	21
353	7	Low	36	High	29
354	10	Low	36	High	26
355	13	Medium	35	High	22
356	11	Low	35	High	24
357	24	Medium	36	High	12
358	7	Low	30	High	23
359	26	High	36	High	10
360	22	Medium	36	High	14

No.	Initial Assessment		Final Evaluation		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
361	15	Medium	36	High	21
362	29	High	36	High	7
363	9	Low	28	High	19
364	24	Medium	36	High	12
365	15	Medium	36	High	21
366	13	Medium	36	High	23
367	36	High	36	High	0
368	15	Medium	33	High	18
369	36	High	36	High	0
370	7	Low	33	High	26
371	12	Low	36	High	24

372	10	Low	32	High	22
373	10	Low	36	High	26
374	11	Low	35	High	24
375	17	Medium	35	High	18
376	3	Low	35	High	32
377	1	Low	4	Low	3
378	13	Medium	10	Low	-3
379	4	Low	13	Medium	9
380	6	Low	12	Low	6
381	4	Low	3	Low	-1
382	9	Low	36	High	27
383	4	Low	9	Low	5
384	7	Low	36	High	29
385	10	Low	34	High	24
386	1	Low	2	Low	1
387	1	Low	9	Low	8
388	6	Low	35	High	29
389	1	Low	18	Medium	17
390	7	Low	36	High	29
391	18	Medium	36	High	18
392	6	Low	36	High	30
393	10	Low	13	Medium	3
394	31	High	36	High	5

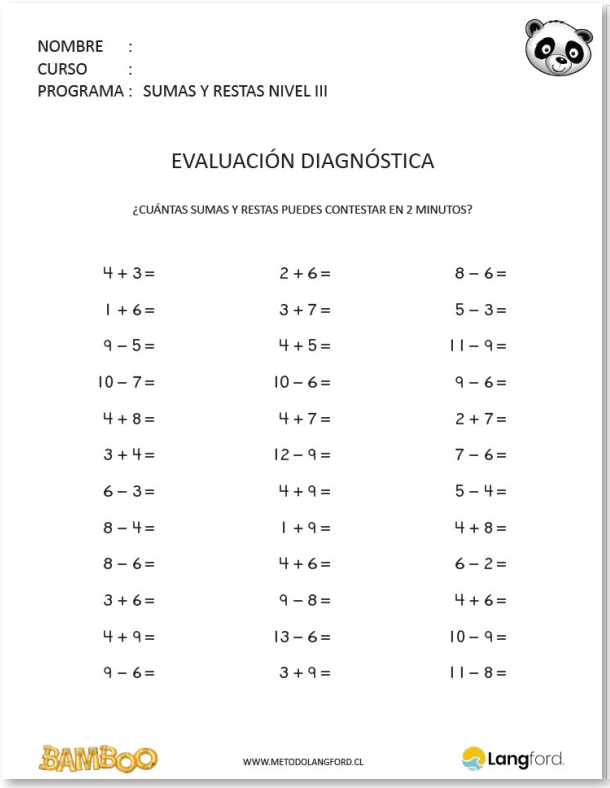
Appendix C: Results of Bamboo Addition and Subtraction Level 3 Program

- **Year 2, and 3**
- **Students Assessed: 1,535**

Assessment Instrument

Students were assessed before the program began and again roughly three months later, using two matched 36-question tests with a strict 2-minute time limit

Initial Assessment



NOMBRE :
CURSO :
PROGRAMA : SUMAS Y RESTAS NIVEL III

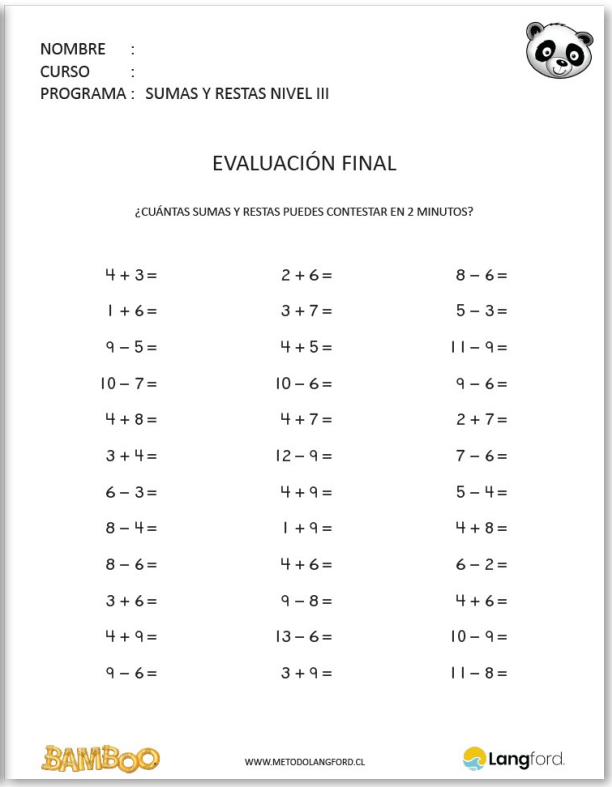
EVALUACIÓN DIAGNÓSTICA

¿CUÁNTAS SUMAS Y RESTAS PUEDES CONTESTAR EN 2 MINUTOS?

4 + 3 =	2 + 6 =	8 – 6 =
1 + 6 =	3 + 7 =	5 – 3 =
9 – 5 =	4 + 5 =	11 – 9 =
10 – 7 =	10 – 6 =	9 – 6 =
4 + 8 =	4 + 7 =	2 + 7 =
3 + 4 =	12 – 9 =	7 – 6 =
6 – 3 =	4 + 9 =	5 – 4 =
8 – 4 =	1 + 9 =	4 + 8 =
8 – 6 =	4 + 6 =	6 – 2 =
3 + 6 =	9 – 8 =	4 + 6 =
4 + 9 =	13 – 6 =	10 – 9 =
9 – 6 =	3 + 9 =	11 – 8 =

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Final Assessment



NOMBRE :
CURSO :
PROGRAMA : SUMAS Y RESTAS NIVEL III

EVALUACIÓN FINAL

¿CUÁNTAS SUMAS Y RESTAS PUEDES CONTESTAR EN 2 MINUTOS?

4 + 3 =	2 + 6 =	8 – 6 =
1 + 6 =	3 + 7 =	5 – 3 =
9 – 5 =	4 + 5 =	11 – 9 =
10 – 7 =	10 – 6 =	9 – 6 =
4 + 8 =	4 + 7 =	2 + 7 =
3 + 4 =	12 – 9 =	7 – 6 =
6 – 3 =	4 + 9 =	5 – 4 =
8 – 4 =	1 + 9 =	4 + 8 =
8 – 6 =	4 + 6 =	6 – 2 =
3 + 6 =	9 – 8 =	4 + 6 =
4 + 9 =	13 – 6 =	10 – 9 =
9 – 6 =	3 + 9 =	11 – 8 =

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Figure 9: *Initial and Final Assessment*

Average Progress and Percentage Improvement

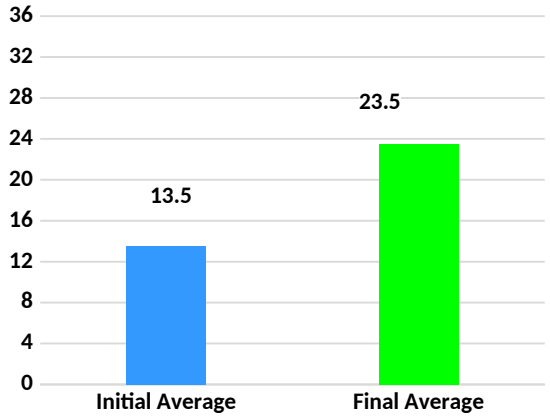


Figure 10: *Initial and Final Averages – Bamboo Addition and Subtraction Program Level 3*

The average number of correct responses in the initial assessment was 13.5 out of a total of 36 questions. After three months, the final evaluation showed an increase in this average to 23.5, indicating an average gain of 10 correct responses. This progress corresponds to a percentage improvement of 27.6% for the program.

Categorisation of Outcome Levels

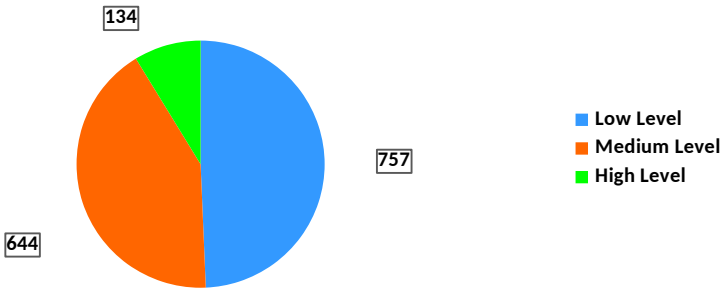


Figure 11: *Initial Student Level – Bamboo Addition and Subtraction Program Level 3*

Of the 1,535 students evaluated in the initial stage, it was found that 757 (49%) are at the Low Level, 644 (42%) are at the Medium Level, and 134 (9%) are at the High Level.

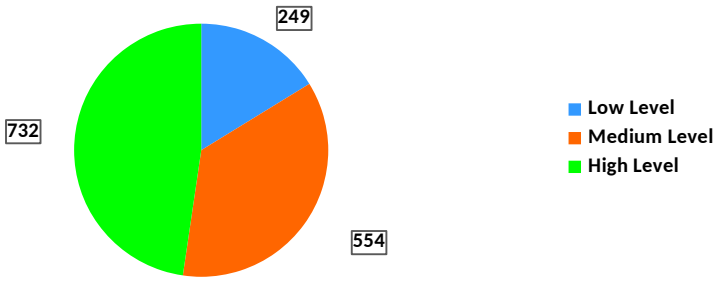


Figure 12: *Final Student Level – Bamboo Addition and Subtraction Program Level 3*

In the final assessment, the number of students at the Low Level fell substantially, from 757 (49%) to 249 (16%). In contrast, there was a notable increase in the High Level: students rose from 134 (9%) to 732 (48%).

Analysis of Students' Distribution

Table 9: *Transition Between Levels – Bamboo Addition and Subtraction Program Level 3*

Initial Level/Final Level	Low Level	Medium Level	High Level	Initial Total
Low Level	245	348	164	757
Medium Level	4	205	435	644
High Level	0	1	133	134
Final Total	249	554	732	1,535

As shown, of the 757 students who initially classified at the Low Level:

- 245 students (32.4%) remained at the same Level.
- 348 students (46%) progressed to the Medium Level.
- 164 students (21.7%) advanced to the High Level.

In contrast, among the 644 students who began at the Medium Level:

- 4 students (0.6%) regressed to the Low Level.
- 205 students (31.8%) remained at the Medium Level.
- 435 students (67.5%) advanced to the High Level.

Finally, of the 134 students who were at the High Level at the outset:

- 1 student (0.7%) dropped to the Medium Level.
- 133 students (99.3%) maintained their status at the High Level.

Outcome Year 2

Table 10: *Individual Performance in Bamboo Addition and Subtraction Level 3 Program*

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
1	5	Low	5	Low	5
2	1	Low	1	Low	1
3	5	Low	5	Low	5
4	1	Low	16	Medium	15
5	2	Low	6	Low	4
6	10	Low	14	Medium	4
7	2	Low	9	Low	7
8	1	Low	9	Low	8
9	10	Low	32	High	22
10	13	Medium	24	Medium	11
11	2	Low	3	Low	1
12	1	Low	3	Low	2
13	8	Low	30	High	22
14	4	Low	21	Medium	17
15	9	Low	15	Medium	6
16	8	Low	15	Medium	7
17	8	Low	28	High	20
18	5	Low	15	Medium	10
19	11	Low	23	Medium	12
20	4	Low	11	Low	7
21	10	Low	16	Medium	6
22	14	Medium	36	High	22
23	0	Low	0	Low	0
24	8	Low	23	Medium	15
25	16	Medium	34	High	18
26	2	Low	9	Low	7
27	7	Low	20	Medium	13
28	6	Low	17	Medium	11
29	9	Low	18	Medium	9
30	12	Low	10	Low	-2
31	3	Low	19	Medium	16
32	5	Low	15	Medium	10
33	3	Low	25	High	22
34	7	Low	8	Low	1
35	11	Low	25	High	14
36	4	Low	22	Medium	18
37	3	Low	18	Medium	15
38	3	Low	26	High	23
39	6	Low	12	Low	6
40	3	Low	3	Low	0
41	3	Low	15	Medium	12
42	7	Low	9	Low	2

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
61	19	Medium	20	Medium	1
62	4	Low	5	Low	1
63	16	Medium	16	Medium	0
64	6	Low	6	Low	0
65	14	Medium	11	Low	-3
66	9	Low	10	Low	1
67	32	High	35	High	3
68	24	Medium	25	High	1
69	3	Low	2	Low	-1
70	3	Low	8	Low	5
71	36	High	36	High	0
72	15	Medium	15	Medium	0
73	15	Medium	14	Medium	-1
74	15	Medium	17	Medium	2
75	23	Medium	27	High	4
76	11	Low	11	Low	0
77	16	Medium	21	Medium	5
78	36	High	36	High	0
79	0	Low	0	Low	0
80	23	Medium	25	High	2
81	20	Medium	21	Medium	1
82	11	Low	12	Low	1
83	15	Medium	23	Medium	8
84	18	Medium	20	Medium	2
85	10	Low	21	Medium	11
86	19	Medium	20	Medium	1
87	6	Low	17	Medium	11
88	12	Low	17	Medium	5
89	3	Low	20	Medium	17
90	8	Low	14	Medium	6
91	10	Low	14	Medium	4
92	35	High	36	High	1
93	3	Low	13	Medium	10
94	32	High	36	High	4
95	8	Low	9	Low	1
96	7	Low	16	Medium	9
97	9	Low	17	Medium	8
98	2	Low	4	Low	2
99	4	Low	16	Medium	12
100	22	Medium	35	High	13
101	14	Medium	16	Medium	2
102	2	Low	9	Low	7

43	17	Medium	34	High	17
44	12	Low	15	Medium	3
45	5	Low	14	Medium	9
46	8	Low	10	Low	2
47	1	Low	1	Low	0
48	2	Low	3	Low	1
49	9	Low	12	Low	3
50	11	Low	15	Medium	4
51	0	Low	3	Low	3
52	7	Low	11	Low	4
53	6	Low	3	Low	-3
54	10	Low	11	Low	1
55	2	Low	6	Low	4
56	16	Medium	23	Medium	7
57	8	Low	20	Medium	12
58	2	Low	2	Low	0
59	16	Medium	36	High	20
60	9	Low	18	Medium	9

103	15	Medium	26	High	11
104	14	Medium	19	Medium	5
105	6	Low	27	High	21
106	11	Low	26	High	15
107	2	Low	11	Low	9
108	22	Medium	33	High	11
109	6	Low	11	Low	5
110	4	Low	3	Low	-1
111	21	Medium	27	High	6
112	15	Medium	23	Medium	8
113	4	Low	23	Medium	19
114	6	Low	21	Medium	15
115	6	Low	8	Low	2
116	22	Medium	29	High	7
117	7	Low	22	Medium	15
118	17	Medium	27	High	10
119	9	Low	6	Low	-3
120	16	Medium	25	High	9

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
121	7	Low	21	Medium	14
122	15	Medium	20	Medium	5
123	13	Medium	26	High	13
124	4	Low	16	Medium	12
125	17	Medium	27	High	10
126	16	Medium	33	High	17
127	10	Low	16	Medium	6
128	17	Medium	36	High	19
129	1	Low	9	Low	8
130	11	Low	14	Medium	3
131	4	Low	15	Medium	11
132	18	Medium	33	High	15
133	9	Low	23	Medium	14
134	10	Low	11	Low	1
13	12	Low	21	Medium	9

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
181	9	Low	8	Low	-1
182	1	Low	4	Low	3
183	8	Low	13	Medium	5
184	16	Medium	19	Medium	3
185	13	Medium	12	Low	-1
186	15	Medium	30	High	15
187	3	Low	22	Medium	19
188	22	Medium	29	High	7
189	20	Medium	32	High	12
190	11	Low	14	Medium	3
191	21	Medium	25	High	4
192	8	Low	14	Medium	6
193	12	Low	12	Low	0
194	8	Low	5	Low	-3
195	15	Medium	35	High	20

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136	11	Low	15	Medium	4
137	5	Low	10	Low	5
138	20	Medium	22	Medium	2
139	5	Low	3	Low	-2
140	6	Low	12	Low	6
141	4	Low	16	Medium	12
142	11	Low	15	Medium	4
143	11	Low	22	Medium	11
144	18	Medium	33	High	15
145	25	High	36	High	11
146	14	Medium	21	Medium	7
147	16	Medium	36	High	20
148	14	Medium	16	Medium	2
149	26	High	34	High	8
150	13	Medium	20	Medium	7
151	7	Low	20	Medium	13
152	14	Medium	17	Medium	3
153	2	Low	1	Low	-1
154	11	Low	17	Medium	6
155	4	Low	13	Medium	9
156	6	Low	8	Low	2
157	13	Medium	14	Medium	1
158	9	Low	24	Medium	15
159	7	Low	8	Low	1
160	4	Low	7	Low	3
161	9	Low	12	Low	3
162	15	Medium	23	Medium	8
163	12	Low	35	High	23
164	35	High	35	High	0
165	22	Medium	24	Medium	2
166	5	Low	7	Low	2
167	5	Low	7	Low	2
168	10	Low	19	Medium	9
169	14	Medium	27	High	13
170	10	Low	14	Medium	4
171	10	Low	25	High	15

196	9	Low	12	Low	3
197	8	Low	11	Low	3
198	12	Low	25	High	13
199	16	Medium	19	Medium	3
200	5	Low	7	Low	2
201	32	High	36	High	4
202	12	Low	25	High	13
203	15	Medium	24	Medium	9
204	24	Medium	35	High	11
205	9	Low	19	Medium	10
206	21	Medium	21	Medium	0
207	25	High	24	Medium	-1
208	16	Medium	15	Medium	-1
209	21	Medium	33	High	12
210	11	Low	24	Medium	13
211	17	Medium	21	Medium	4
212	20	Medium	23	Medium	3
213	14	Medium	15	Medium	1
214	24	Medium	35	High	11
215	12	Low	23	Medium	11
216	12	Low	22	Medium	10
217	16	Medium	18	Medium	2
218	22	Medium	36	High	14
219	15	Medium	19	Medium	4
220	12	Low	17	Medium	5
221	11	Low	17	Medium	6
222	18	Medium	20	Medium	2
223	36	High	35	High	-1
224	15	Medium	31	High	16
225	15	Medium	24	Medium	9
226	19	Medium	19	Medium	0
227	11	Low	17	Medium	6
228	19	Medium	34	High	15
229	9	Low	17	Medium	8
230	15	Medium	19	Medium	4
231	22	Medium	34	High	12

172	6	Low	5	Low	-1
173	4	Low	8	Low	4
174	8	Low	20	Medium	12
175	3	Low	9	Low	6
176	5	Low	9	Low	4
177	16	Medium	24	Medium	8
178	10	Low	7	Low	-3
179	8	Low	18	Medium	10
180	4	Low	10	Low	6

232	27	High	36	High	9
233	17	Medium	33	High	16
234	26	High	36	High	10
235	21	Medium	36	High	15
236	12	Low	15	Medium	3
237	9	Low	33	High	24
238	22	Medium	26	High	4
239	21	Medium	27	High	6
240	20	Medium	35	High	15

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
241	17	Medium	31	High	14
242	13	Medium	19	Medium	6
243	16	Medium	27	High	11
244	16	Medium	23	Medium	7
245	15	Medium	17	Medium	2
246	3	Low	18	Medium	15
247	19	Medium	21	Medium	2
248	10	Low	13	Medium	3
249	14	Medium	16	Medium	2
250	10	Low	22	Medium	12
251	7	Low	13	Medium	6
252	22	Medium	25	High	3
253	16	Medium	20	Medium	4
254	12	Low	19	Medium	7
255	15	Medium	29	High	14
256	16	Medium	27	High	11
257	12	Low	19	Medium	7
258	16	Medium	17	Medium	1
259	19	Medium	36	High	17
260	9	Low	12	Low	3
261	17	Medium	21	Medium	4

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
301	22	Medium	36	High	14
302	13	Medium	19	Medium	6
303	9	Low	25	High	16
304	22	Medium	35	High	13
305	8	Low	11	Low	3
306	6	Low	12	Low	6
307	15	Medium	23	Medium	8
308	10	Low	29	High	19
309	34	High	36	High	2
310	15	Medium	34	High	19
311	12	Low	22	Medium	10
312	21	Medium	36	High	15
313	6	Low	6	Low	0
314	11	Low	16	Medium	5
315	7	Low	14	Medium	7
316	8	Low	10	Low	2
317	2	Low	13	Medium	11
318	21	Medium	35	High	14
319	1	Low	3	Low	2
320	17	Medium	33	High	16
321	7	Low	8	Low	1

262	15	Medium	16	Medium	1
263	8	Low	14	Medium	6
264	11	Low	19	Medium	8
265	21	Medium	28	High	7
266	12	Low	15	Medium	3
267	14	Medium	23	Medium	9
268	13	Medium	15	Medium	2
269	11	Low	17	Medium	6
270	16	Medium	33	High	17
271	26	High	34	High	8
272	12	Low	19	Medium	7
273	6	Low	13	Medium	7
274	14	Medium	17	Medium	3
275	13	Medium	16	Medium	3
276	16	Medium	13	Medium	-3
277	12	Low	16	Medium	4
278	17	Medium	22	Medium	5
279	5	Low	16	Medium	11
280	17	Medium	24	Medium	7
281	21	Medium	35	High	14
282	7	Low	7	Low	0
283	9	Low	22	Medium	13
284	6	Low	4	Low	-2
285	5	Low	11	Low	6
286	19	Medium	26	High	7
287	15	Medium	21	Medium	6
288	18	Medium	16	Medium	-2
289	9	Low	18	Medium	9
290	10	Low	15	Medium	5
291	11	Low	26	High	15
292	18	Medium	27	High	9
293	12	Low	25	High	13
294	14	Medium	23	Medium	9
295	14	Medium	17	Medium	3
296	8	Low	21	Medium	13
297	3	Low	3	Low	0
298	16	Medium	32	High	16

322	10	Low	15	Medium	5
323	15	Medium	30	High	15
324	10	Low	14	Medium	4
325	16	Medium	36	High	20
326	22	Medium	34	High	12
327	18	Medium	36	High	18
328	10	Low	7	Low	-3
329	0	Low	6	Low	6
330	13	Medium	14	Medium	1
331	0	Low	13	Medium	13
332	17	Medium	34	High	17
333	12	Low	10	Low	-2
334	11	Low	21	Medium	10
335	9	Low	8	Low	-1
336	7	Low	18	Medium	11
337	5	Low	14	Medium	9
338	12	Low	12	Low	0
339	15	Medium	35	High	20
340	19	Medium	23	Medium	4
341	5	Low	30	High	25
342	27	High	36	High	9
343	25	High	35	High	10
344	7	Low	11	Low	4
345	4	Low	12	Low	8
346	11	Low	19	Medium	8
347	6	Low	15	Medium	9
348	15	Medium	21	Medium	6
349	6	Low	6	Low	0
350	8	Low	18	Medium	10
351	9	Low	27	High	18
352	20	Medium	32	High	12
353	2	Low	3	Low	1
354	15	Medium	22	Medium	7
355	15	Medium	17	Medium	2
356	10	Low	17	Medium	7
357	11	Low	10	Low	-1
358	10	Low	7	Low	-3

8					
299	10	Low	34	High	24
300	25	High	35	High	10

359	10	Low	17	Medium	7
360	25	High	34	High	9

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
361	22	Medium	35	High	13
362	12	Low	22	Medium	10
363	11	Low	32	High	21
364	15	Medium	22	Medium	7
365	13	Medium	19	Medium	6
366	16	Medium	31	High	15
367	16	Medium	29	High	13
368	10	Low	14	Medium	4
369	9	Low	24	Medium	15
370	16	Medium	20	Medium	4
371	15	Medium	21	Medium	6
372	18	Medium	36	High	18
373	8	Low	12	Low	4
374	25	High	33	High	8
375	15	Medium	13	Medium	-2
376	14	Medium	18	Medium	4
377	14	Medium	22	Medium	8
378	15	Medium	34	High	19
379	20	Medium	25	High	5
380	11	Low	19	Medium	8
381	18	Medium	28	High	10
382	22	Medium	32	High	10
383	29	High	36	High	7
384	16	Medium	36	High	20
385	12	Low	18	Medium	6
386	11	Low	22	Medium	11
387	18	Medium	20	Medium	2
388	16	Medium	36	High	20

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
421	10	Low	23	Medium	13
422	10	Low	22	Medium	12
423	1	Low	4	Low	3
424	10	Low	17	Medium	7
425	7	Low	7	Low	0
426	15	Medium	23	Medium	8
427	9	Low	27	High	18
428	12	Low	14	Medium	2
429	8	Low	22	Medium	14
430	20	Medium	35	High	15
431	9	Low	19	Medium	10
432	9	Low	6	Low	-3
433	8	Low	36	High	28
434	3	Low	12	Low	9
435	6	Low	8	Low	2
436	12	Low	36	High	24
437	18	Medium	36	High	18
438	6	Low	36	High	30
439	11	Low	34	High	23
440	16	Medium	28	High	12
441	22	Medium	28	High	6
442	17	Medium	36	High	19
443	18	Medium	36	High	18
444	13	Medium	27	High	14
445	36	High	36	High	0
446	6	Low	6	Low	0
447	16	Medium	36	High	20
448	10	Low	8	Low	-2

8					
389	11	Low	10	Low	-1
390	11	Low	17	Medium	6
391	24	Medium	32	High	8
392	15	Medium	18	Medium	3
393	16	Medium	36	High	20
394	15	Medium	30	High	15
395	35	High	36	High	1
396	14	Medium	17	Medium	3
397	14	Medium	36	High	22
398	33	High	36	High	3
399	30	High	36	High	6
400	30	High	32	High	2
401	11	Low	24	Medium	13
402	13	Medium	15	Medium	2
403	2	Low	2	Low	0
404	17	Medium	29	High	12
405	8	Low	20	Medium	12
406	14	Medium	23	Medium	9
407	14	Medium	17	Medium	3
408	19	Medium	28	High	9
409	11	Low	14	Medium	3
410	23	Medium	35	High	12
411	7	Low	16	Medium	9
412	4	Low	15	Medium	11
413	12	Low	26	High	14
414	11	Low	14	Medium	3
415	10	Low	15	Medium	5
416	15	Medium	36	High	21
417	2	Low	24	Medium	22
418	14	Medium	22	Medium	8
419	22	Medium	23	Medium	1
420	19	Medium	36	High	17

449	7	Low	4	Low	-3
450	10	Low	32	High	22
451	17	Medium	36	High	19
452	24	Medium	34	High	10
453	15	Medium	15	Medium	0
454	23	Medium	35	High	12
455	11	Low	25	High	14
456	11	Low	18	Medium	7
457	34	High	36	High	2
458	16	Medium	31	High	15
459	8	Low	20	Medium	12
460	19	Medium	36	High	17
461	13	Medium	12	Low	-1
462	1	Low	0	Low	-1
463	9	Low	10	Low	1
464	30	High	35	High	5
465	17	Medium	21	Medium	4
466	26	High	35	High	9
467	8	Low	8	Low	0
468	12	Low	26	High	14
469	13	Medium	33	High	20
470	7	Low	7	Low	0
471	15	Medium	17	Medium	2
472	15	Medium	23	Medium	8
473	12	Low	36	High	24
474	17	Medium	20	Medium	3
475	3	Low	7	Low	4
476	14	Medium	20	Medium	6
477	7	Low	4	Low	-3
478	8	Low	8	Low	0
479	23	Medium	32	High	9
480	6	Low	16	Medium	10

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
481	13	Medium	13	Medium	0
482	2	Low	15	Medium	13
483	8	Low	10	Low	2
484	25	High	35	High	10
485	19	Medium	35	High	16
486	5	Low	8	Low	3
487	11	Low	21	Medium	10
488	22	Medium	35	High	13
489	15	Medium	36	High	21
490	15	Medium	34	High	19
491	8	Low	21	Medium	13
492	8	Low	7	Low	-1
493	17	Medium	33	High	16
494	17	Medium	27	High	10
495	11	Low	24	Medium	13
496	6	Low	7	Low	1
497	15	Medium	36	High	21
498	1	Low	6	Low	5
499	9	Low	17	Medium	8
500	8	Low	20	Medium	12

Outcome Year 3

Table 11: *Individual Performance in Bamboo Addition and Subtraction Level 3 Program*

No.	Initial Assessment		Final Assessment		(F) - (I)	No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level			Correct Responses (I)	Level	Correct Responses (F)	Level	
1	26	High	33	High	7	**61**	2	Low	4	Low	2
2	21	Medium	23	Medium	2	**62**	8	Low	11	Low	3
3	6	Low	5	Low	-1	**63**	4	Low	21	Medium	17
4	18	Medium	24	Medium	6	**64**	10	Low	16	Medium	6
5	6	Low	17	Medium	11	**65**	8	Low	16	Medium	8
6	30	High	36	High	6	**66**	9	Low	14	Medium	5
7	8	Low	12	Low	4	**67**	7	Low	8	Low	1
8	1	Low	0	Low	-1	**68**	17	Medium	26	High	9
9	13	Medium	31	High	18	**69**	7	Low	12	Low	5
10	12	Low	22	Medium	10	**70**	6	Low	21	Medium	15
11	13	Medium	20	Medium	7	**71**	7	Low	9	Low	2
12	15	Medium	26	High	11	**72**	5	Low	16	Medium	11
13	10	Low	8	Low	-2	**73**	2	Low	14	Medium	12
14	15	Medium	18	Medium	3	**74**	11	Low	30	High	19
15	9	Low	36	High	27	**75**	8	Low	25	High	17
16	13	Medium	17	Medium	4	**76**	0	Low	14	Medium	14
17	17	Medium	25	High	8	**77**	13	Medium	18	Medium	5
18	23	Medium	22	Medium	-1	**78**	6	Low	9	Low	3
19	9	Low	24	Medium	15	**79**	12	Low	17	Medium	5
20	11	Low	18	Medium	7	**80**	14	Medium	22	Medium	8
21	11	Low	19	Medium	8	**81**	3	Low	11	Low	8
22	34	High	36	High	2	**82**	7	Low	13	Medium	6
23	17	Medium	20	Medium	3	**83**	8	Low	36	High	28
24	12	Low	20	Medium	8	**84**	32	High	36	High	4
25	5	Low	12	Low	7	**85**	6	Low	5	Low	-1
26	14	Medium	30	High	16	**86**	5	Low	14	Medium	9
27	12	Low	27	High	15	**87**	10	Low	27	High	17
28	2	Low	12	Low	10	**88**	11	Low	34	High	23
29	10	Low	17	Medium	7	**89**	6	Low	9	Low	3
30	2	Low	8	Low	6	**90**	15	Medium	20	Medium	5
31	19	Mediu	33	High	14	**91**	22	Medium	27	High	5

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32	3	Low	27	High	24
33	20	Medium	34	High	14
34	10	Low	17	Medium	7
35	26	High	36	High	10
36	16	Medium	13	Medium	-3
37	4	Low	19	Medium	15
38	16	Medium	21	Medium	5
39	8	Low	17	Medium	9
40	11	Low	29	High	18
41	11	Low	18	Medium	7
42	22	Medium	34	High	12
43	16	Medium	25	High	9
44	16	Medium	35	High	19
45	16	Medium	21	Medium	5
46	20	Medium	21	Medium	1
47	11	Low	20	Medium	9
48	6	Low	17	Medium	11
49	18	Medium	36	High	18
50	16	Medium	18	Medium	2
51	15	Medium	24	Medium	9
52	21	Medium	28	High	7
53	10	Low	28	High	18
54	6	Low	9	Low	3
55	2	Low	4	Low	2
56	2	Low	13	Medium	11
57	12	Low	17	Medium	5
58	31	High	33	High	2
59	14	Medium	17	Medium	3
60	11	Low	15	Medium	4

92	22	Medium	22	Medium	0
93	20	Medium	32	High	12
94	16	Medium	26	High	10
95	15	Medium	36	High	21
96	14	Medium	17	Medium	3
97	4	Low	1	Low	-3
98	20	Medium	36	High	16
99	35	High	36	High	1
100	27	High	35	High	8
101	22	Medium	26	High	4
102	14	Medium	22	Medium	8
103	6	Low	15	Medium	9
104	18	Medium	30	High	12
105	24	Medium	32	High	8
106	15	Medium	30	High	15
107	14	Medium	28	High	14
108	9	Low	26	High	17
109	9	Low	17	Medium	8
110	14	Medium	32	High	18
111	19	Medium	35	High	16
112	20	Medium	35	High	15
113	12	Low	15	Medium	3
114	29	High	36	High	7
115	15	Medium	22	Medium	7
116	7	Low	15	Medium	8
117	10	Low	17	Medium	7
118	6	Low	5	Low	-1
119	7	Low	10	Low	3
120	17	Medium	31	High	14

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
121	4	Low	26	High	22
122	10	Low	26	High	16
123	16	Medium	23	Medium	7
124	9	Low	22	Medium	13

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
181	13	Medium	27	High	14
182	15	Medium	25	High	10
183	21	Medium	24	Medium	3
184	9	Low	22	Medium	13

125	15	Medium	30	High	15
126	10	Low	33	High	23
127	17	Medium	26	High	9
128	10	Low	12	Low	2
129	33	High	36	High	3
130	12	Low	18	Medium	6
131	4	Low	10	Low	6
132	17	Medium	33	High	16
133	17	Medium	36	High	19
134	18	Medium	35	High	17
135	25	High	34	High	9
136	19	Medium	24	Medium	5
137	36	High	36	High	0
138	11	Low	35	High	24
139	13	Medium	28	High	15
140	12	Low	18	Medium	6
141	10	Low	24	Medium	14
142	15	Medium	26	High	11
143	19	Medium	36	High	17
144	17	Medium	29	High	12
145	16	Medium	24	Medium	8
146	13	Medium	18	Medium	5
147	8	Low	18	Medium	10
148	22	Medium	31	High	9
149	7	Low	15	Medium	8
150	23	Medium	36	High	13
151	11	Low	16	Medium	5
152	13	Medium	22	Medium	9
153	10	Low	20	Medium	10
154	9	Low	16	Medium	7
155	10	Low	32	High	22
156	9	Low	14	Medium	5
157	7	Low	8	Low	1
158	5	Low	15	Medium	10
159	7	Low	19	Medium	12
160	6	Low	4	Low	-2
161	11	Low	22	Medium	11

185	3	Low	2	Low	-1
186	5	Low	10	Low	5
187	9	Low	27	High	18
188	4	Low	3	Low	-1
189	4	Low	2	Low	-2
190	2	Low	0	Low	-2
191	6	Low	12	Low	6
192	21	Medium	36	High	15
193	13	Medium	24	Medium	11
194	4	Low	24	Medium	20
195	34	High	36	High	2
196	6	Low	32	High	26
197	31	High	36	High	5
198	18	Medium	35	High	17
199	20	Medium	34	High	14
200	5	Low	16	Medium	11
201	16	Medium	32	High	16
202	15	Medium	16	Medium	1
203	15	Medium	15	Medium	0
204	13	Medium	24	Medium	11
205	3	Low	6	Low	3
206	16	Medium	27	High	11
207	12	Low	22	Medium	10
208	4	Low	15	Medium	11
209	6	Low	16	Medium	10
210	11	Low	19	Medium	8
211	13	Medium	33	High	20
212	30	High	36	High	6
213	5	Low	15	Medium	10
214	20	Medium	34	High	14
215	13	Medium	23	Medium	10
216	6	Low	9	Low	3
217	16	Medium	33	High	17
218	11	Low	29	High	18
219	5	Low	13	Medium	8
220	20	Medium	32	High	12
221	15	Medium	18	Medium	3

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162	6	Low	10	Low	4
163	10	Low	32	High	22
164	16	Medium	29	High	13
165	1	Low	5	Low	4
166	19	Medium	36	High	17
167	11	Low	20	Medium	9
168	9	Low	14	Medium	5
169	10	Low	20	Medium	10
170	10	Low	16	Medium	6
171	7	Low	12	Low	5
172	8	Low	15	Medium	7
173	14	Medium	33	High	19
174	3	Low	9	Low	6
175	12	Low	28	High	16
176	17	Medium	26	High	9
177	11	Low	17	Medium	6
178	9	Low	22	Medium	13
179	3	Low	8	Low	5
180	6	Low	10	Low	4

222	16	Medium	21	Medium	5
223	27	High	35	High	8
224	12	Low	20	Medium	8
225	6	Low	10	Low	4
226	29	High	36	High	7
227	10	Low	12	Low	2
228	15	Medium	30	High	15
229	20	Medium	28	High	8
230	13	Medium	25	High	12
231	17	Medium	17	Medium	0
232	9	Low	16	Medium	7
233	10	Low	18	Medium	8
234	14	Medium	17	Medium	3
235	10	Low	15	Medium	5
236	23	Medium	26	High	3
237	26	High	36	High	10
238	27	High	36	High	9
239	16	Medium	20	Medium	4
240	10	Low	23	Medium	13

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
241	20	Medium	34	High	14
242	7	Low	17	Medium	10
243	21	Medium	22	Medium	1
244	5	Low	16	Medium	11
245	3	Low	12	Low	9
246	0	Low	0	Low	0
247	4	Low	4	Low	0
248	11	Low	16	Medium	5
249	14	Medium	20	Medium	6
250	22	Medium	36	High	14
25	15	Medium	36	High	21

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
301	15	Medium	36	High	21
302	15	Medium	24	Medium	9
303	10	Low	7	Low	-3
304	20	Medium	35	High	15
305	21	Medium	28	High	7
306	19	Medium	17	Medium	-2
307	14	Medium	35	High	21
308	8	Low	13	Medium	5
309	19	Medium	24	Medium	5
310	32	High	34	High	2
311	17	Medium	16	Medium	-1

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252	7	Low	20	Medium	13
253	16	Medium	34	High	18
254	10	Low	16	Medium	6
255	16	Medium	35	High	19
256	4	Low	5	Low	1
257	10	Low	17	Medium	7
258	4	Low	9	Low	5
259	19	Medium	24	Medium	5
260	4	Low	6	Low	2
261	10	Low	23	Medium	13
262	18	Medium	16	Medium	-2
263	14	Medium	27	High	13
264	17	Medium	27	High	10
265	21	Medium	29	High	8
266	5	Low	22	Medium	17
267	18	Medium	36	High	18
268	13	Medium	14	Medium	1
269	24	Medium	36	High	12
270	13	Medium	25	High	12
271	36	High	36	High	0
272	17	Medium	34	High	17
273	16	Medium	27	High	11
274	27	High	36	High	9
275	20	Medium	29	High	9
276	21	Medium	25	High	4
277	12	Low	13	Medium	1
278	21	Medium	35	High	14
279	14	Medium	23	Medium	9
280	11	Low	8	Low	-3
281	14	Medium	23	Medium	9
282	16	Medium	29	High	13
283	16	Medium	36	High	20
284	10	Low	19	Medium	9
285	17	Medium	19	Medium	2
286	24	Medium	36	High	12
287	21	Medium	35	High	14

312	13	Medium	31	High	18
313	18	Medium	23	Medium	5
314	16	Medium	26	High	10
315	15	Medium	15	Medium	0
316	36	High	36	High	0
317	17	Medium	25	High	8
318	24	Medium	34	High	10
319	14	Medium	31	High	17
320	36	High	36	High	0
321	12	Low	16	Medium	4
322	20	Medium	25	High	5
323	29	High	33	High	4
324	22	Medium	36	High	14
325	21	Medium	30	High	9
326	16	Medium	21	Medium	5
327	30	High	36	High	6
328	18	Medium	22	Medium	4
329	16	Medium	26	High	10
330	18	Medium	25	High	7
331	30	High	36	High	6
332	16	Medium	26	High	10
333	21	Medium	36	High	15
334	15	Medium	16	Medium	1
335	14	Medium	19	Medium	5
336	21	Medium	30	High	9
337	21	Medium	32	High	11
338	17	Medium	20	Medium	3
339	22	Medium	24	Medium	2
340	22	Medium	36	High	14
341	7	Low	18	Medium	11
342	16	Medium	33	High	17
343	36	High	36	High	0
344	5	Low	17	Medium	12
345	28	High	36	High	8
346	1	Low	4	Low	3
347	21	Medium	28	High	7

288	10	Low	36	High	26
289	25	High	36	High	11
290	30	High	36	High	6
291	36	High	36	High	0
292	13	Medium	34	High	21
293	21	Medium	33	High	12
294	17	Medium	36	High	19
295	17	Medium	36	High	19
296	5	Low	18	Medium	13
297	13	Medium	29	High	16
298	16	Medium	26	High	10
299	7	Low	19	Medium	12
300	4	Low	35	High	31

348	17	Medium	24	Medium	7
349	16	Medium	22	Medium	6
350	17	Medium	27	High	10
351	4	Low	12	Low	8
352	15	Medium	31	High	16
353	4	Low	4	Low	0
354	9	Low	16	Medium	7
355	4	Low	26	High	22
356	18	Medium	33	High	15
357	16	Medium	33	High	17
358	13	Medium	35	High	22
359	12	Low	20	Medium	8
360	7	Low	17	Medium	10

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
361	13	Medium	33	High	20
362	6	Low	11	Low	5
363	10	Low	35	High	25
364	6	Low	16	Medium	10
365	15	Medium	36	High	21
366	29	High	35	High	6
367	18	Medium	36	High	18
368	5	Low	16	Medium	11
369	26	High	36	High	10
370	16	Medium	29	High	13
371	35	High	36	High	1
372	18	Medium	31	High	13
373	14	Medium	34	High	20
374	13	Medium	36	High	23
375	3	Low	11	Low	8
376	20	Medium	36	High	16
377	8	Low	25	High	17

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
421	7	Low	15	Medium	8
422	11	Low	30	High	19
423	10	Low	26	High	16
424	9	Low	31	High	22
425	12	Low	35	High	23
426	16	Medium	26	High	10
427	26	High	36	High	10
428	22	Medium	36	High	14
429	10	Low	33	High	23
430	8	Low	22	Medium	14
431	25	High	34	High	9
432	4	Low	7	Low	3
433	14	Medium	31	High	17
434	24	Medium	35	High	11
435	19	Medium	36	High	17
436	13	Medium	24	Medium	11
437	16	Medium	30	High	14

378	8	Low	13	Medium	5
379	18	Medium	25	High	7
380	18	Medium	27	High	9
381	8	Low	20	Medium	12
382	21	Medium	36	High	15
383	16	Medium	26	High	10
384	18	Medium	21	Medium	3
385	11	Low	32	High	21
386	28	High	36	High	8
387	12	Low	31	High	19
388	4	Low	10	Low	6
389	35	High	34	High	-1
390	17	Medium	16	Medium	-1
391	24	Medium	27	High	3
392	26	High	35	High	9
393	4	Low	3	Low	-1
394	14	Medium	34	High	20
395	7	Low	16	Medium	9
396	16	Medium	24	Medium	8
397	13	Medium	24	Medium	11
398	20	Medium	33	High	13
399	26	High	31	High	5
400	24	Medium	35	High	11
401	19	Medium	36	High	17
402	32	High	31	High	-1
403	12	Low	35	High	23
404	1	Low	5	Low	4
405	27	High	35	High	8
406	36	High	35	High	-1
407	15	Medium	35	High	20
408	16	Medium	33	High	17
409	15	Medium	28	High	13
410	14	Medium	15	Medium	1
411	17	Medium	31	High	14
412	17	Medium	30	High	13
413	5	Low	6	Low	1
414	22	Medium	36	High	14

438	15	Medium	25	High	10
439	11	Low	17	Medium	6
440	20	Medium	35	High	15
441	17	Medium	32	High	15
442	21	Medium	26	High	5
443	15	Medium	23	Medium	8
444	15	Medium	35	High	20
445	23	Medium	36	High	13
446	16	Medium	36	High	20
447	19	Medium	36	High	17
448	11	Low	24	Medium	13
449	13	Medium	25	High	12
450	28	High	36	High	8
451	8	Low	16	Medium	8
452	29	High	36	High	7
453	16	Medium	28	High	12
454	19	Medium	26	High	7
455	16	Medium	35	High	19
456	4	Low	18	Medium	14
457	13	Medium	30	High	17
458	4	Low	8	Low	4
459	17	Medium	36	High	19
460	12	Low	19	Medium	7
461	12	Low	26	High	14
462	15	Medium	35	High	20
463	14	Medium	36	High	22
464	21	Medium	36	High	15
465	8	Low	8	Low	0
466	10	Low	16	Medium	6
467	17	Medium	27	High	10
468	14	Medium	28	High	14
469	15	Medium	27	High	12
470	13	Medium	25	High	12
471	1	Low	4	Low	3
472	5	Low	9	Low	4
473	22	Medium	35	High	13
474	17	Medium	24	Medium	7

4					
415	23	Medium	36	High	13
416	17	Medium	32	High	15
417	24	Medium	36	High	12
418	16	Medium	20	Medium	4
419	2	Low	15	Medium	13
420	16	Medium	22	Medium	6

475	22	Medium	31	High	9
476	13	Medium	25	High	12
477	5	Low	9	Low	4
478	7	Low	13	Medium	6
479	21	Medium	35	High	14
480	24	Medium	36	High	12

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
481	17	Medium	32	High	15
482	24	Medium	34	High	10
483	22	Medium	35	High	13
484	10	Low	36	High	26
485	16	Medium	33	High	17
486	14	Medium	36	High	22
487	18	Medium	31	High	13
488	9	Low	9	Low	0
489	16	Medium	18	Medium	2
490	10	Low	19	Medium	9
491	10	Low	26	High	16
492	9	Low	8	Low	-1
493	5	Low	12	Low	7
494	13	Medium	29	High	16
495	12	Low	25	High	13
496	7	Low	6	Low	-1
497	13	Medium	12	Low	-1
498	14	Medium	23	Medium	9
499	15	Medium	22	Medium	7
500	31	High	34	High	3
501	9	Low	12	Low	3
502	23	Medium	35	High	12
503	12	Low	15	Medium	3
50	15	Medium	21	Medium	6

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
541	26	High	35	High	9
542	21	Medium	36	High	15
543	24	Medium	30	High	6
544	33	High	36	High	3
545	14	Medium	14	Medium	0
546	14	Medium	23	Medium	9
547	8	Low	22	Medium	14
548	14	Medium	24	Medium	10
549	3	Low	24	Medium	21
550	4	Low	10	Low	6
551	3	Low	7	Low	4
552	6	Low	29	High	23
553	18	Medium	28	High	10
554	17	Medium	36	High	19
555	15	Medium	32	High	17
556	3	Low	10	Low	7
557	5	Low	32	High	27
558	8	Low	36	High	28
559	5	Low	28	High	23
560	7	Low	24	Medium	17
561	2	Low	12	Low	10
562	16	Medium	36	High	20
563	9	Low	22	Medium	13
564	7	Low	28	High	21

4					
505	28	High	36	High	8
506	15	Medium	35	High	20
507	11	Low	17	Medium	6
508	10	Low	26	High	16
509	15	Medium	36	High	21
510	9	Low	13	Medium	4
511	14	Medium	23	Medium	9
512	14	Medium	31	High	17
513	6	Low	10	Low	4
514	10	Low	26	High	16
515	22	Medium	36	High	14
516	5	Low	11	Low	6
517	16	Medium	34	High	18
518	13	Medium	22	Medium	9
519	12	Low	35	High	23
520	15	Medium	17	Medium	2
521	13	Medium	18	Medium	5
522	17	Medium	29	High	12
523	9	Low	35	High	26
524	3	Low	4	Low	1
525	8	Low	21	Medium	13
526	29	High	36	High	7
527	7	Low	11	Low	4
528	20	Medium	25	High	5
529	4	Low	13	Medium	9
530	20	Medium	36	High	16
531	14	Medium	18	Medium	4
532	16	Medium	33	High	17
533	13	Medium	36	High	23
534	17	Medium	27	High	10
535	15	Medium	17	Medium	2
536	12	Low	25	High	13
537	13	Medium	32	High	19
538	5	Low	4	Low	-1
539	19	Medium	35	High	16
540	15	Medium	19	Medium	4

565	16	Medium	36	High	20
566	7	Low	25	High	18
567	26	High	36	High	10
568	9	Low	21	Medium	12
569	12	Low	33	High	21
570	8	Low	20	Medium	12
571	16	Medium	34	High	18
572	2	Low	21	Medium	19
573	11	Low	25	High	14
574	8	Low	24	Medium	16
575	7	Low	8	Low	1
576	2	Low	22	Medium	20
577	12	Low	36	High	24
578	9	Low	36	High	27
579	4	Low	22	Medium	18
580	4	Low	20	Medium	16
581	5	Low	36	High	31
582	4	Low	19	Medium	15
583	5	Low	32	High	27
584	5	Low	22	Medium	17
585	8	Low	34	High	26
586	6	Low	34	High	28
587	11	Low	36	High	25
588	8	Low	18	Medium	10
589	10	Low	22	Medium	12
590	10	Low	36	High	26
591	13	Medium	23	Medium	10
592	17	Medium	36	High	19
593	3	Low	22	Medium	19
594	13	Medium	36	High	23
595	18	Medium	35	High	17
596	8	Low	15	Medium	7
597	15	Medium	36	High	21
598	9	Low	22	Medium	13
599	11	Low	36	High	25
600	35	High	36	High	1

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
601	14	Medium	31	High	17
602	8	Low	36	High	28
603	13	Medium	29	High	16
604	12	Low	22	Medium	10
605	8	Low	34	High	26
606	8	Low	20	Medium	12
607	15	Medium	29	High	14
608	8	Low	33	High	25
609	11	Low	22	Medium	11
610	8	Low	19	Medium	11
611	6	Low	27	High	21
612	12	Low	35	High	23
613	11	Low	30	High	19
614	13	Medium	22	Medium	9
615	11	Low	23	Medium	12
616	5	Low	27	High	22
617	22	Medium	36	High	14
618	18	Medium	36	High	18
619	17	Medium	29	High	12
620	13	Medium	35	High	22
621	17	Medium	36	High	19
622	11	Low	22	Medium	11
623	4	Low	7	Low	3
624	1	Low	7	Low	6
625	18	Medium	36	High	18
626	12	Low	34	High	22
627	11	Low	24	Medium	13
628	5	Low	9	Low	4
629	4	Low	9	Low	5
630	4	Low	14	Medium	10

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
661	7	Low	12	Low	5
662	7	Low	11	Low	4
663	10	Low	21	Medium	11
664	18	Medium	33	High	15
665	6	Low	10	Low	4
666	17	Medium	34	High	17
667	4	Low	11	Low	7
668	12	Low	21	Medium	9
669	7	Low	27	High	20
670	19	Medium	36	High	17
671	5	Low	16	Medium	11
672	7	Low	20	Medium	13
673	8	Low	27	High	19
674	12	Low	27	High	15
675	13	Medium	35	High	22
676	23	Medium	35	High	12
677	1	Low	16	Medium	15
678	6	Low	6	Low	0
679	1	Low	4	Low	3
680	4	Low	1	Low	-3
681	7	Low	14	Medium	7
682	16	Medium	32	High	16
683	15	Medium	27	High	12
684	17	Medium	36	High	19
685	15	Medium	31	High	16
686	18	Medium	19	Medium	1
687	27	High	34	High	7
688	16	Medium	29	High	13
689	9	Low	10	Low	1
690	8	Low	8	Low	0

631	16	Medium	36	High	20
632	8	Low	20	Medium	12
633	2	Low	29	High	27
634	11	Low	23	Medium	12
635	8	Low	19	Medium	11
636	12	Low	32	High	20
637	13	Medium	30	High	17
638	12	Low	32	High	20
639	7	Low	10	Low	3
640	2	Low	13	Medium	11
641	17	Medium	32	High	15
642	21	Medium	32	High	11
643	11	Low	21	Medium	10
644	10	Low	15	Medium	5
645	11	Low	14	Medium	3
646	13	Medium	30	High	17
647	15	Medium	28	High	13
648	10	Low	22	Medium	12
649	14	Medium	32	High	18
650	13	Medium	22	Medium	9
651	14	Medium	22	Medium	8
652	17	Medium	21	Medium	4
653	13	Medium	14	Medium	1
654	19	Medium	36	High	17
655	10	Low	31	High	21
656	8	Low	20	Medium	12
657	10	Low	20	Medium	10
658	6	Low	11	Low	5
659	16	Medium	24	Medium	8
660	16	Medium	33	High	17

691	25	High	36	High	11
692	23	Medium	30	High	7
693	14	Medium	19	Medium	5
694	22	Medium	25	High	3
695	11	Low	22	Medium	11
696	13	Medium	32	High	19
697	12	Low	16	Medium	4
698	15	Medium	21	Medium	6
699	14	Medium	15	Medium	1
700	9	Low	16	Medium	7
701	10	Low	23	Medium	13
702	4	Low	22	Medium	18
703	21	Medium	36	High	15
704	5	Low	13	Medium	8
705	10	Low	27	High	17
706	23	Medium	36	High	13
707	11	Low	22	Medium	11
708	5	Low	9	Low	4
709	17	Medium	18	Medium	1
710	15	Medium	20	Medium	5
711	20	Medium	31	High	11
712	12	Low	19	Medium	7
713	20	Medium	36	High	16
714	7	Low	12	Low	5
715	8	Low	7	Low	-1
716	20	Medium	20	Medium	0
717	11	Low	20	Medium	9
718	35	High	34	High	-1
719	2	Low	7	Low	5
720	10	Low	11	Low	1

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	

721	15	Medium	15	Medium	0
722	18	Medium	17	Medium	-1
723	24	Medium	36	High	12
724	36	High	35	High	-1
725	34	High	36	High	2
726	27	High	32	High	5
727	34	High	36	High	2
728	36	High	36	High	0
729	36	High	34	High	-2
730	20	Medium	33	High	13
731	35	High	35	High	0
732	34	High	35	High	1
733	36	High	36	High	0
734	35	High	34	High	-1
735	34	High	35	High	1
736	24	Medium	36	High	12
737	32	High	36	High	4
738	10	Low	13	Medium	3
739	35	High	36	High	1
740	16	Medium	31	High	15
741	12	Low	24	Medium	12
742	17	Medium	36	High	19
743	11	Low	28	High	17
744	13	Medium	34	High	21
745	18	Medium	35	High	17
746	36	High	36	High	0
747	33	High	36	High	3
748	22	Medium	36	High	14
749	31	High	36	High	5
750	15	Medium	32	High	17
751	10	Low	36	High	26
752	10	Low	31	High	21
753	18	Medium	34	High	16
754	10	Low	13	Medium	3
755	11	Low	26	High	15
756	15	Medium	35	High	20
75	33	High	35	High	2

781	19	Medium	29	High	10
782	35	High	35	High	0
783	15	Medium	36	High	21
784	16	Medium	22	Medium	6
785	21	Medium	35	High	14
786	34	High	36	High	2
787	4	Low	19	Medium	15
788	10	Low	24	Medium	14
789	4	Low	31	High	27
790	23	Medium	28	High	5
791	20	Medium	34	High	14
792	14	Medium	31	High	17
793	19	Medium	30	High	11
794	21	Medium	36	High	15
795	33	High	33	High	0
796	21	Medium	32	High	11
797	15	Medium	36	High	21
798	7	Low	14	Medium	7
799	3	Low	6	Low	3
800	9	Low	36	High	27
801	11	Low	36	High	25
802	9	Low	29	High	20
803	8	Low	35	High	27
804	2	Low	11	Low	9
805	7	Low	22	Medium	15
806	11	Low	36	High	25
807	8	Low	22	Medium	14
808	4	Low	36	High	32
809	9	Low	33	High	24
810	11	Low	36	High	25
811	5	Low	7	Low	2
812	11	Low	35	High	24
813	6	Low	27	High	21
814	15	Medium	35	High	20
815	4	Low	12	Low	8
816	7	Low	11	Low	4
817	4	Low	22	Medium	18

7					
758	19	Medium	36	High	17
759	11	Low	20	Medium	9
760	13	Medium	36	High	23
761	15	Medium	36	High	21
762	8	Low	11	Low	3
763	18	Medium	20	Medium	2
764	30	High	28	High	-2
765	7	Low	15	Medium	8
766	36	High	35	High	-1
767	22	Medium	28	High	6
768	12	Low	24	Medium	12
769	19	Medium	30	High	11
770	14	Medium	27	High	13
771	14	Medium	31	High	17
772	35	High	36	High	1
773	7	Low	10	Low	3
774	3	Low	9	Low	6
775	36	High	35	High	-1
776	23	Medium	36	High	13
777	23	Medium	35	High	12
778	5	Low	12	Low	7
779	12	Low	14	Medium	2
780	10	Low	36	High	26

818	8	Low	36	High	28
819	2	Low	25	High	23
820	10	Low	35	High	25
821	6	Low	15	Medium	9
822	6	Low	34	High	28
823	3	Low	3	Low	0
824	12	Low	18	Medium	6
825	9	Low	36	High	27
826	5	Low	22	Medium	17
827	12	Low	18	Medium	6
828	19	Medium	36	High	17
829	1	Low	2	Low	1
830	22	Medium	23	Medium	1
831	10	Low	25	High	15
832	30	High	34	High	4
833	6	Low	7	Low	1
834	5	Low	23	Medium	18
835	7	Low	29	High	22
836	7	Low	21	Medium	14
837	7	Low	27	High	20
838	20	Medium	36	High	16
839	9	Low	14	Medium	5
840	7	Low	7	Low	0

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
841	10	Low	15	Medium	5
842	2	Low	9	Low	7
843	9	Low	21	Medium	12
844	11	Low	29	High	18
845	13	Medium	35	High	22
846	11	Low	28	High	17
84	14	Medium	35	High	21

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
901	22	Medium	34	High	12
902	17	Medium	34	High	17
903	12	Low	36	High	24
904	6	Low	27	High	21
905	36	High	35	High	-1
906	21	Medium	32	High	11
907	17	Medium	36	High	19

7					
848	7	Low	12	Low	5
849	7	Low	8	Low	1
850	15	Medium	35	High	20
851	6	Low	10	Low	4
852	8	Low	13	Medium	5
853	3	Low	13	Medium	10
854	0	Low	14	Medium	14
855	16	Medium	34	High	18
856	11	Low	13	Medium	2
857	12	Low	35	High	23
858	1	Low	10	Low	9
859	11	Low	24	Medium	13
860	5	Low	5	Low	0
861	2	Low	16	Medium	14
862	5	Low	8	Low	3
863	15	Medium	20	Medium	5
864	6	Low	7	Low	1
865	30	High	36	High	6
866	15	Medium	22	Medium	7
867	19	Medium	32	High	13
868	21	Medium	24	Medium	3
869	34	High	36	High	2
870	13	Medium	23	Medium	10
871	30	High	33	High	3
872	17	Medium	28	High	11
873	24	Medium	36	High	12
874	15	Medium	33	High	18
875	12	Low	14	Medium	2
876	26	High	36	High	10
877	32	High	36	High	4
878	15	Medium	22	Medium	7
879	15	Medium	21	Medium	6
880	35	High	36	High	1
881	0	Low	2	Low	2
882	10	Low	14	Medium	4
883	11	Low	20	Medium	9

908	5	Low	29	High	24
909	25	High	36	High	11
910	14	Medium	35	High	21
911	13	Medium	36	High	23
912	24	Medium	36	High	12
913	3	Low	15	Medium	12
914	14	Medium	32	High	18
915	21	Medium	36	High	15
916	7	Low	23	Medium	16
917	3	Low	14	Medium	11
918	5	Low	29	High	24
919	5	Low	13	Medium	8
920	8	Low	35	High	27
921	16	Medium	36	High	20
922	5	Low	35	High	30
923	6	Low	35	High	29
924	8	Low	12	Low	4
925	6	Low	23	Medium	17
926	13	Medium	35	High	22
927	20	Medium	35	High	15
928	4	Low	15	Medium	11
929	6	Low	16	Medium	10
930	5	Low	12	Low	7
931	6	Low	7	Low	1
932	21	Medium	20	Medium	-1
933	10	Low	23	Medium	13
934	14	Medium	17	Medium	3
935	14	Medium	35	High	21
936	9	Low	29	High	20
937	15	Medium	33	High	18
938	1	Low	2	Low	1
939	13	Medium	35	High	22
940	6	Low	10	Low	4
941	14	Medium	33	High	19
942	4	Low	21	Medium	17
943	12	Low	22	Medium	10

884	36	High	35	High	-1
885	19	Medium	26	High	7
886	20	Medium	28	High	8
887	34	High	36	High	2
888	36	High	35	High	-1
889	29	High	34	High	5
890	9	Low	6	Low	-3
891	14	Medium	36	High	22
892	28	High	26	High	-2
893	8	Low	25	High	17
894	15	Medium	36	High	21
895	17	Medium	35	High	18
896	11	Low	26	High	15
897	12	Low	34	High	22
898	9	Low	27	High	18
899	3	Low	20	Medium	17
900	17	Medium	35	High	18

944	12	Low	20	Medium	8
945	15	Medium	30	High	15
946	8	Low	13	Medium	5
947	23	Medium	25	High	2
948	3	Low	30	High	27
949	9	Low	25	High	16
950	4	Low	23	Medium	19
951	7	Low	11	Low	4
952	11	Low	35	High	24
953	7	Low	26	High	19
954	21	Medium	33	High	12
955	9	Low	22	Medium	13
956	17	Medium	23	Medium	6
957	22	Medium	36	High	14
958	5	Low	13	Medium	8
959	21	Medium	35	High	14
960	13	Medium	35	High	22

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
960	13	Medium	35	High	22
961	14	Medium	30	High	16
962	12	Low	30	High	18
963	10	Low	22	Medium	12
964	11	Low	31	High	20
965	9	Low	16	Medium	7
966	10	Low	36	High	26
967	11	Low	34	High	23
968	25	High	35	High	10
969	14	Medium	34	High	20
970	13	Medium	31	High	18
971	7	Low	13	Medium	6
972	20	Medium	30	High	10
973	9	Low	9	Low	0
974	8	Low	17	Medium	9
975	20	Medium	36	High	16
976	10	Low	34	High	24
977	15	Medium	31	High	16
978	11	Low	32	High	21

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
1,021	4	Low	17	Medium	13
1,022	11	Low	36	High	25
1,023	4	Low	20	Medium	16
1,024	18	Medium	36	High	18
1,025	16	Medium	34	High	18
1,026	18	Medium	36	High	18
1,027	16	Medium	36	High	20
1,028	14	Medium	28	High	14
1,029	8	Low	8	Low	0
1,030	17	Medium	34	High	17
1,031	7	Low	16	Medium	9
1,032	5	Low	11	Low	6
1,033	14	Medium	33	High	19
1,034	9	Low	17	Medium	8
1,035	10	Low	30	High	20

979	9	Low	22	Medium	13
980	12	Low	24	Medium	12
981	35	High	35	High	0
982	15	Medium	34	High	19
983	31	High	34	High	3
984	13	Medium	27	High	14
985	14	Medium	34	High	20
986	9	Low	27	High	18
987	33	High	33	High	0
988	24	Medium	35	High	11
989	6	Low	16	Medium	10
990	36	High	33	High	-3
991	20	Medium	30	High	10
992	20	Medium	36	High	16
993	21	Medium	33	High	12
994	31	High	34	High	3
995	14	Medium	27	High	13
996	33	High	33	High	0
997	6	Low	12	Low	6
998	18	Medium	20	Medium	2
999	17	Medium	36	High	19
1,000	11	Low	35	High	24
1,001	5	Low	34	High	29
1,002	26	High	33	High	7
1,003	15	Medium	13	Medium	-2
1,004	17	Medium	35	High	18
1,005	16	Medium	24	Medium	8
1,006	16	Medium	34	High	18
1,007	3	Low	36	High	33
1,008	12	Low	34	High	22
1,009	17	Medium	16	Medium	-1
1,010	7	Low	34	High	27
1,011	21	Medium	36	High	15
1,012	25	High	35	High	10
1,013	26	High	36	High	10
1,014	17	Medium	30	High	13
1,015	16	Medium	27	High	11
1,016	12	Low	13	Medium	1
1,017	15	Medium	21	Medium	6
1,018	3	Low	0	Low	-3
1,019	11	Low	18	Medium	7
1,020	6	Low	16	Medium	10

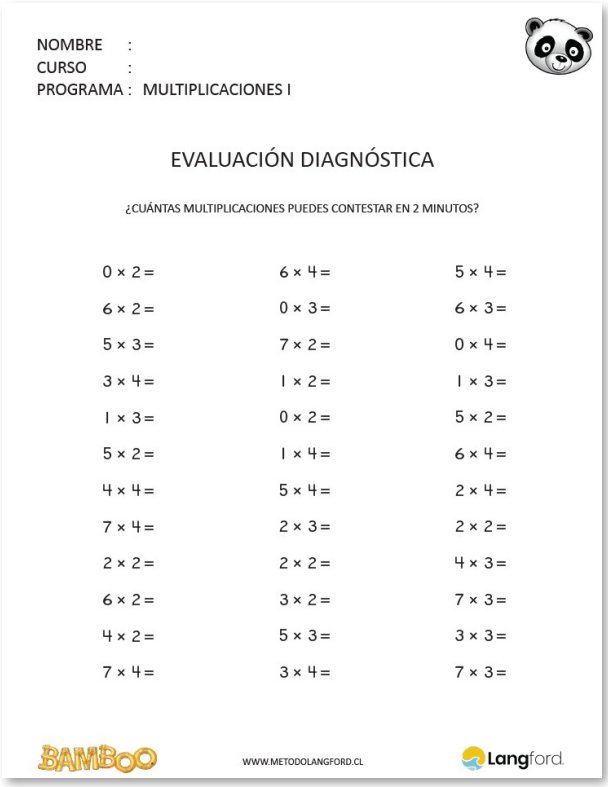
Appendix D: Results of Bamboo Multiplication Level 1 Program

- **Year 3, 4 and 5**
- **Students Assessed: 2,091**

Assessment Instrument

Students were assessed before the program began and again roughly three months later, using two matched 36-question tests with a strict 2-minute time limit

Initial Assessment



NOMBRE :
CURSO :
PROGRAMA : MULTIPLICACIONES I

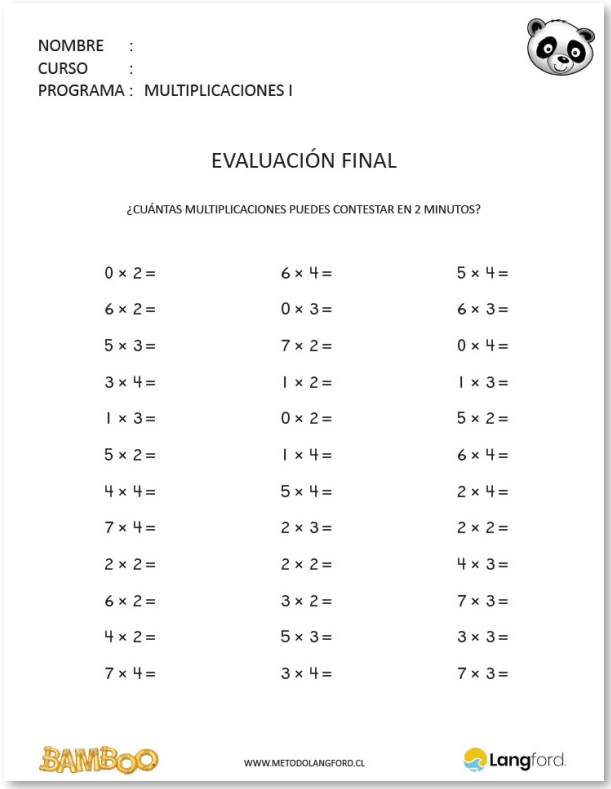
EVALUACIÓN DIAGNÓSTICA

¿CUÁNTAS MULTIPLICACIONES PUEDES CONTESTAR EN 2 MINUTOS?

0 × 2 =	6 × 4 =	5 × 4 =
6 × 2 =	0 × 3 =	6 × 3 =
5 × 3 =	7 × 2 =	0 × 4 =
3 × 4 =	1 × 2 =	1 × 3 =
1 × 3 =	0 × 2 =	5 × 2 =
5 × 2 =	1 × 4 =	6 × 4 =
4 × 4 =	5 × 4 =	2 × 4 =
7 × 4 =	2 × 3 =	2 × 2 =
2 × 2 =	2 × 2 =	4 × 3 =
6 × 2 =	3 × 2 =	7 × 3 =
4 × 2 =	5 × 3 =	3 × 3 =
7 × 4 =	3 × 4 =	7 × 3 =

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Final Assessment



NOMBRE :
CURSO :
PROGRAMA : MULTIPLICACIONES I

EVALUACIÓN FINAL

¿CUÁNTAS MULTIPLICACIONES PUEDES CONTESTAR EN 2 MINUTOS?

0 × 2 =	6 × 4 =	5 × 4 =
6 × 2 =	0 × 3 =	6 × 3 =
5 × 3 =	7 × 2 =	0 × 4 =
3 × 4 =	1 × 2 =	1 × 3 =
1 × 3 =	0 × 2 =	5 × 2 =
5 × 2 =	1 × 4 =	6 × 4 =
4 × 4 =	5 × 4 =	2 × 4 =
7 × 4 =	2 × 3 =	2 × 2 =
2 × 2 =	2 × 2 =	4 × 3 =
6 × 2 =	3 × 2 =	7 × 3 =
4 × 2 =	5 × 3 =	3 × 3 =
7 × 4 =	3 × 4 =	7 × 3 =

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Figure 13: *Initial and Final Assessment*

Average Progress and Percentage Improvement

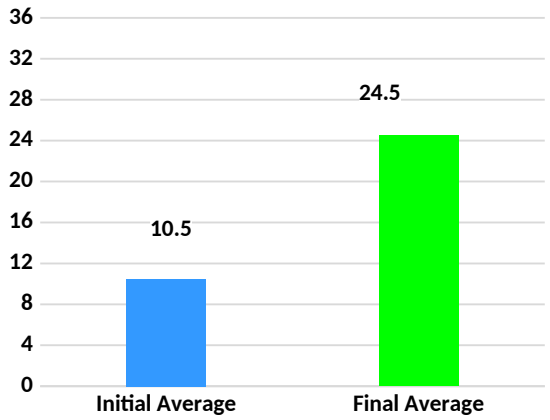


Figure 14: *Initial and Final Averages – Bamboo Multiplication Program Level 1*

The average number of correct responses in the initial assessment was 10.5 out of a total of 36 questions. After three months, the final evaluation showed an increase in this average to 24.5, indicating an average gain of 14.1 correct responses (calculated from the unrounded averages of 10.46 and 24.52). This progress corresponds to a percentage improvement of 39.1% for the program.

Categorisation of Outcome Levels

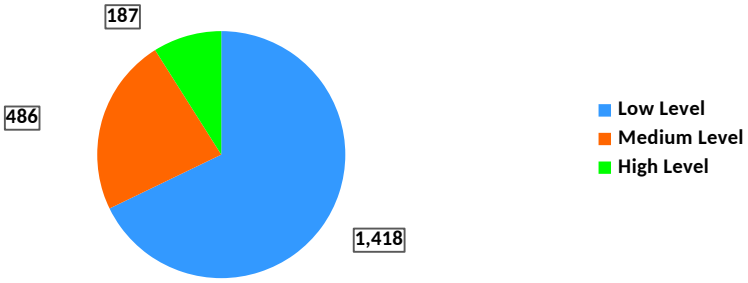


Figure 15: *Initial Student Level – Bamboo Multiplication Program Level 1*

Of the 2,091 students evaluated in the initial stage, it was found that 1,418 (68%) are at the Low Level, 486 (23%) are at the Medium Level, and 187 (9%) are at the High Level.

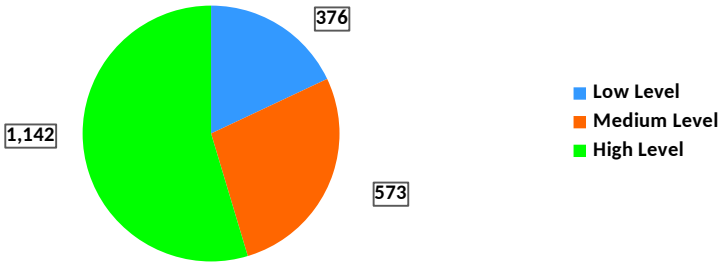


Figure 16: *Final Student Level – Bamboo Multiplication Program Level 1*

In the final assessment, the number of students at the Low Level fell substantially, from 1,418 (68%) to 376 (18%). In contrast, there was a notable increase in the High Level: students rose from 187 (9%) to 1,142 (55%).

Analysis of Students' Distribution

Table 12: *Transition Between Levels – Bamboo Multiplication Program Level 1*

Initial Level/Final Level	Low Level	Medium Level	High Level	Initial Total
Low Level	371	503	544	1,418
Medium Level	5	68	413	486
High Level	0	2	185	187
Final Total	376	573	1,142	2,091

As shown, of the 1,418 students who initially classified at the Low Level:

- 371 students (26.2%) remained at the same Level.
- 503 students (35.5%) progressed to the Medium Level.
- 544 students (38.4%) advanced to the High Level.

In contrast, among the 486 students who began at the Medium Level:

- 5 students (1%) regressed to the Low Level.
- 68 students (14%) remained at the Medium Level.
- 413 students (85%) advanced to the High Level.

Finally, of the 187 students who were at the High Level at the outset:

- 2 students (1.1%) dropped to the Medium Level.
- 185 students (98.9%) maintained their status at the High Level.

Outcome Year 3

Table 13: *Individual Performance in Bamboo Multiplication Level 1 Program*

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
1	4	Low	12	Low	8
2	0	Low	12	Low	12
3	2	Low	9	Low	7
4	1	Low	18	Medium	17
5	0	Low	4	Low	4
6	6	Low	19	Medium	13
7	1	Low	21	Medium	20
8	6	Low	20	Medium	14
9	14	Medium	30	High	16
10	1	Low	22	Medium	21
11	2	Low	18	Medium	16
12	0	Low	7	Low	7
13	2	Low	14	Medium	12
14	0	Low	10	Low	10
15	11	Low	27	High	16
16	1	Low	33	High	32
17	0	Low	31	High	31
18	4	Low	23	Medium	19
19	1	Low	7	Low	6
20	0	Low	9	Low	9
21	0	Low	4	Low	4
22	2	Low	21	Medium	19
23	3	Low	16	Medium	13
24	4	Low	13	Medium	9
25	6	Low	18	Medium	12
26	3	Low	12	Low	9
27	2	Low	6	Low	4
28	0	Low	2	Low	2
29	0	Low	16	Medium	16
30	0	Low	3	Low	3
31	3	Low	16	Medium	13
32	4	Low	15	Medium	11
33	0	Low	11	Low	11
34	0	Low	5	Low	5
35	0	Low	2	Low	2
36	1	Low	6	Low	5
37	5	Low	16	Medium	11
38	1	Low	28	High	27
39	2	Low	10	Low	8
40	4	Low	12	Low	8
41	0	Low	7	Low	7
42	0	Low	4	Low	4
43	1	Low	13	Medium	12
44	0	Low	1	Low	1

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
61	0	Low	5	Low	5
62	1	Low	26	High	25
63	0	Low	33	High	33
64	3	Low	13	Medium	10
65	3	Low	20	Medium	17
66	1	Low	28	High	27
67	2	Low	12	Low	10
68	12	Low	23	Medium	11
69	0	Low	11	Low	11
70	0	Low	4	Low	4
71	0	Low	0	Low	0
72	0	Low	13	Medium	13
73	20	Medium	36	High	16
74	8	Low	35	High	27
75	24	Medium	36	High	12
76	8	Low	33	High	25
77	0	Low	24	Medium	24
78	4	Low	16	Medium	12
79	5	Low	32	High	27
80	7	Low	36	High	29
81	3	Low	36	High	33
82	6	Low	36	High	30
83	12	Low	36	High	24
84	7	Low	33	High	26
85	3	Low	30	High	27
86	5	Low	18	Medium	13
87	4	Low	35	High	31
88	11	Low	36	High	25
89	20	Medium	34	High	14
90	6	Low	24	Medium	18
91	4	Low	25	High	21
92	8	Low	36	High	28
93	2	Low	36	High	34
94	7	Low	22	Medium	15
95	7	Low	31	High	24
96	4	Low	19	Medium	15
97	0	Low	13	Medium	13
98	4	Low	28	High	24
99	14	Medium	24	Medium	10
100	4	Low	31	High	27
101	3	Low	10	Low	7
102	5	Low	34	High	29
103	2	Low	28	High	26
104	0	Low	24	Medium	24

45	3	Low	25	High	22
46	0	Low	4	Low	4
47	3	Low	17	Medium	14
48	0	Low	2	Low	2
49	9	Low	14	Medium	5
50	4	Low	15	Medium	11
51	0	Low	21	Medium	21
52	2	Low	18	Medium	16
53	0	Low	3	Low	3
54	4	Low	11	Low	7
55	6	Low	13	Medium	7
56	2	Low	12	Low	10
57	8	Low	9	Low	1
58	1	Low	13	Medium	12
59	0	Low	19	Medium	19
60	3	Low	9	Low	6

105	2	Low	11	Low	9
106	12	Low	28	High	16
107	6	Low	16	Medium	10
108	8	Low	21	Medium	13
109	14	Medium	17	Medium	3
110	14	Medium	36	High	22
111	10	Low	32	High	22
112	0	Low	18	Medium	18
113	29	High	36	High	7
114	10	Low	19	Medium	9
115	10	Low	33	High	23
116	11	Low	36	High	25
117	7	Low	30	High	23
118	3	Low	36	High	33
119	4	Low	21	Medium	17
120	5	Low	29	High	24

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
121	6	Low	33	High	27
122	3	Low	11	Low	8
123	2	Low	33	High	31
124	6	Low	18	Medium	12
125	3	Low	26	High	23
126	0	Low	2	Low	2
127	9	Low	6	Low	-3
128	4	Low	3	Low	-1
129	0	Low	19	Medium	19
130	5	Low	16	Medium	11
131	16	Medium	18	Medium	2
132	5	Low	6	Low	1
133	3	Low	5	Low	2
134	2	Low	3	Low	1
135	14	Medium	28	High	14
136	4	Low	6	Low	2
137	4	Low	13	Medium	9
138	17	Medium	32	High	15
139	28	High	34	High	6
140	9	Low	20	Medium	11
141	17	Medium	35	High	18
142	32	High	36	High	4
143	1	Low	9	Low	8
144	12	Low	33	High	21
145	10	Low	28	High	18
146	4	Low	35	High	31
147	7	Low	36	High	29
148	3	Low	14	Medium	11
149	10	Low	19	Medium	9
150	3	Low	20	Medium	17
151	9	Low	31	High	22
152	32	High	36	High	4

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
181	0	Low	11	Low	11
182	1	Low	10	Low	9
183	0	Low	7	Low	7
184	1	Low	13	Medium	12
185	1	Low	8	Low	7
186	0	Low	7	Low	7
187	2	Low	10	Low	8
188	0	Low	18	Medium	18
189	0	Low	4	Low	4
190	28	High	35	High	7
191	6	Low	7	Low	1
192	2	Low	3	Low	1
193	2	Low	13	Medium	11
194	4	Low	20	Medium	16
195	0	Low	13	Medium	13
196	3	Low	3	Low	0
197	3	Low	9	Low	6
198	1	Low	16	Medium	15
199	0	Low	4	Low	4
200	1	Low	14	Medium	13
201	0	Low	4	Low	4
202	0	Low	1	Low	1
203	6	Low	17	Medium	11
204	2	Low	16	Medium	14
205	6	Low	10	Low	4
206	0	Low	9	Low	9
207	0	Low	1	Low	1
208	2	Low	13	Medium	11
209	2	Low	6	Low	4
210	0	Low	12	Low	12
211	0	Low	27	High	27
212	0	Low	10	Low	10

153	10	Low	21	Medium	11
154	8	Low	26	High	18
155	16	Medium	33	High	17
156	6	Low	30	High	24
157	16	Medium	33	High	17
158	11	Low	34	High	23
159	6	Low	28	High	22
160	12	Low	35	High	23
161	15	Medium	36	High	21
162	19	Medium	34	High	15
163	10	Low	33	High	23
164	22	Medium	36	High	14
165	17	Medium	36	High	19
166	36	High	36	High	0
167	14	Medium	33	High	19
168	16	Medium	36	High	20
169	13	Medium	25	High	12
170	6	Low	26	High	20
171	14	Medium	36	High	22
172	3	Low	9	Low	6
173	2	Low	30	High	28
174	4	Low	13	Medium	9
175	0	Low	4	Low	4
176	3	Low	10	Low	7
177	0	Low	11	Low	11
178	0	Low	4	Low	4
179	0	Low	6	Low	6
180	2	Low	5	Low	3

213	0	Low	1	Low	1
214	0	Low	4	Low	4
215	0	Low	3	Low	3
216	1	Low	12	Low	11
217	0	Low	2	Low	2
218	2	Low	19	Medium	17
219	0	Low	22	Medium	22
220	0	Low	4	Low	4
221	0	Low	1	Low	1
222	0	Low	2	Low	2
223	1	Low	7	Low	6
224	0	Low	17	Medium	17
225	0	Low	1	Low	1
226	6	Low	21	Medium	15
227	0	Low	9	Low	9
228	2	Low	5	Low	3
229	0	Low	7	Low	7
230	0	Low	2	Low	2
231	0	Low	4	Low	4
232	1	Low	5	Low	4
233	0	Low	9	Low	9
234	0	Low	25	High	25
235	0	Low	3	Low	3
236	1	Low	7	Low	6
237	12	Low	23	Medium	11
238	1	Low	6	Low	5
239	1	Low	21	Medium	20
240	0	Low	10	Low	10

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
241	14	Medium	21	Medium	7
242	24	Medium	34	High	10
243	24	Medium	32	High	8
244	7	Low	19	Medium	12
245	14	Medium	18	Medium	4
246	11	Low	33	High	22
247	11	Low	27	High	16
248	4	Low	15	Medium	11
249	2	Low	18	Medium	16
250	10	Low	21	Medium	11
251	11	Low	22	Medium	11
252	3	Low	15	Medium	12
253	13	Medium	32	High	19
254	20	Medium	35	High	15
255	11	Low	20	Medium	9
256	25	High	36	High	11

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
301	16	Medium	35	High	19
302	0	Low	2	Low	2
303	15	Medium	28	High	13
304	0	Low	12	Low	12
305	4	Low	12	Low	8
306	1	Low	21	Medium	20
307	22	Medium	34	High	12
308	8	Low	17	Medium	9
309	4	Low	24	Medium	20
310	7	Low	20	Medium	13
311	17	Medium	36	High	19
312	12	Low	18	Medium	6
313	7	Low	24	Medium	17
314	3	Low	28	High	25
315	2	Low	18	Medium	16
316	8	Low	33	High	25

257	36	High	36	High	0
258	17	Medium	36	High	19
259	20	Medium	32	High	12
260	5	Low	26	High	21
261	21	Medium	28	High	7
262	3	Low	12	Low	9
263	10	Low	16	Medium	6
264	7	Low	36	High	29
265	2	Low	12	Low	10
266	15	Medium	16	Medium	1
267	7	Low	15	Medium	8
268	13	Medium	36	High	23
269	19	Medium	31	High	12
270	9	Low	34	High	25
271	11	Low	28	High	17
272	9	Low	17	Medium	8
273	8	Low	14	Medium	6
274	9	Low	22	Medium	13
275	12	Low	34	High	22
276	16	Medium	30	High	14
277	1	Low	9	Low	8
278	11	Low	29	High	18
279	2	Low	5	Low	3
280	23	Medium	35	High	12
281	22	Medium	36	High	14
282	9	Low	19	Medium	10
283	7	Low	35	High	28
284	22	Medium	35	High	13
285	12	Low	14	Medium	2
286	20	Medium	32	High	12
287	7	Low	35	High	28
288	11	Low	25	High	14
289	6	Low	16	Medium	10
290	10	Low	20	Medium	10
291	15	Medium	36	High	21
292	6	Low	31	High	25
293	16	Medium	33	High	17

317	10	Low	31	High	21
318	2	Low	15	Medium	13
319	3	Low	36	High	33
320	4	Low	33	High	29
321	1	Low	23	Medium	22
322	6	Low	28	High	22
323	1	Low	12	Low	11
324	1	Low	19	Medium	18
325	3	Low	20	Medium	17
326	3	Low	23	Medium	20
327	9	Low	30	High	21
328	2	Low	25	High	23
329	9	Low	17	Medium	8
330	27	High	36	High	9
331	5	Low	36	High	31
332	3	Low	36	High	33
333	6	Low	22	Medium	16
334	4	Low	12	Low	8
335	0	Low	28	High	28
336	6	Low	26	High	20
337	8	Low	36	High	28
338	2	Low	5	Low	3
339	9	Low	34	High	25
340	11	Low	34	High	23
341	13	Medium	34	High	21
342	9	Low	35	High	26
343	9	Low	36	High	27
344	27	High	34	High	7
345	24	Medium	36	High	12
346	3	Low	31	High	28
347	5	Low	23	Medium	18
348	33	High	35	High	2
349	9	Low	6	Low	-3
350	7	Low	27	High	20
351	11	Low	36	High	25
352	1	Low	9	Low	8
353	14	Medium	36	High	22

3					
294	12	Low	29	High	17
295	11	Low	30	High	19
296	17	Medium	36	High	19
297	18	Medium	27	High	9
298	12	Low	15	Medium	3
299	23	Medium	26	High	3
300	13	Medium	18	Medium	5

354	27	High	35	High	8
355	5	Low	11	Low	6
356	5	Low	20	Medium	15
357	7	Low	20	Medium	13
358	8	Low	35	High	27
359	8	Low	21	Medium	13
360	24	Medium	34	High	10

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
361	2	Low	15	Medium	13
362	10	Low	19	Medium	9
363	9	Low	23	Medium	14
364	8	Low	34	High	26
365	16	Medium	31	High	15
366	10	Low	36	High	26
367	8	Low	34	High	26
368	7	Low	36	High	29
369	36	High	36	High	0
370	6	Low	6	Low	0
371	19	Medium	30	High	11
372	10	Low	19	Medium	9
373	4	Low	3	Low	-1
374	7	Low	32	High	25
375	27	High	35	High	8
376	5	Low	10	Low	5
377	2	Low	3	Low	1
378	13	Medium	36	High	23
379	5	Low	7	Low	2
380	1	Low	8	Low	7
381	3	Low	34	High	31
382	8	Low	15	Medium	7
38	7	Low	14	Medium	7

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
421	1	Low	36	High	35
422	1	Low	26	High	25
423	5	Low	29	High	24
424	5	Low	21	Medium	16
425	0	Low	24	Medium	24
426	1	Low	14	Medium	13
427	1	Low	27	High	26
428	4	Low	29	High	25
429	10	Low	36	High	26
430	1	Low	5	Low	4
431	2	Low	21	Medium	19
432	7	Low	36	High	29
433	1	Low	6	Low	5
434	13	Medium	36	High	23
435	11	Low	36	High	25
436	9	Low	36	High	27
437	33	High	36	High	3
438	6	Low	35	High	29
439	1	Low	31	High	30
440	0	Low	15	Medium	15
441	0	Low	7	Low	7
442	0	Low	35	High	35
443	0	Low	35	High	35

3					
384	6	Low	35	High	29
385	3	Low	33	High	30
386	12	Low	33	High	21
387	4	Low	31	High	27
388	12	Low	14	Medium	2
389	2	Low	13	Medium	11
390	8	Low	24	Medium	16
391	4	Low	35	High	31
392	11	Low	36	High	25
393	11	Low	29	High	18
394	0	Low	8	Low	8
395	1	Low	17	Medium	16
396	7	Low	22	Medium	15
397	1	Low	28	High	27
398	24	Medium	36	High	12
399	15	Medium	36	High	21
400	2	Low	5	Low	3
401	5	Low	36	High	31
402	1	Low	13	Medium	12
403	0	Low	9	Low	9
404	7	Low	36	High	29
405	6	Low	33	High	27
406	7	Low	34	High	27
407	3	Low	36	High	33
408	14	Medium	27	High	13
409	14	Medium	20	Medium	6
410	27	High	36	High	9
411	12	Low	36	High	24
412	5	Low	36	High	31
413	6	Low	36	High	30
414	9	Low	36	High	27
415	12	Low	21	Medium	9
416	15	Medium	36	High	21
417	0	Low	24	Medium	24
418	1	Low	27	High	26
419	2	Low	16	Medium	14

444	5	Low	36	High	31
445	1	Low	35	High	34
446	5	Low	36	High	31
447	6	Low	28	High	22
448	6	Low	27	High	21
449	16	Medium	28	High	12
450	5	Low	13	Medium	8
451	5	Low	22	Medium	17
452	14	Medium	19	Medium	5
453	4	Low	36	High	32
454	16	Medium	35	High	19
455	5	Low	6	Low	1
456	5	Low	35	High	30
457	19	Medium	29	High	10
458	5	Low	36	High	31
459	12	Low	12	Low	0
460	9	Low	35	High	26
461	21	Medium	36	High	15
462	0	Low	9	Low	9
463	9	Low	24	Medium	15
464	12	Low	31	High	19
465	13	Medium	14	Medium	1
466	16	Medium	36	High	20
467	5	Low	9	Low	4
468	8	Low	22	Medium	14
469	4	Low	11	Low	7
470	5	Low	9	Low	4
471	8	Low	28	High	20
472	22	Medium	36	High	14
473	25	High	36	High	11
474	7	Low	34	High	27
475	27	High	35	High	8
476	32	High	36	High	4
477	20	Medium	36	High	16
478	7	Low	20	Medium	13
479	18	Medium	36	High	18

420	12	Low	31	High	19

480	29	High	36	High	7

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
481	15	Medium	36	High	21
482	12	Low	36	High	24
483	21	Medium	36	High	15
484	26	High	36	High	10
485	15	Medium	36	High	21
486	12	Low	36	High	24
487	9	Low	31	High	22
488	17	Medium	34	High	17
489	21	Medium	36	High	15
490	9	Low	36	High	27
491	15	Medium	34	High	19
492	36	High	36	High	0
493	33	High	35	High	2
494	35	High	36	High	1
495	4	Low	18	Medium	14
496	19	Medium	17	Medium	-2
497	8	Low	8	Low	0
498	20	Medium	36	High	16
499	9	Low	36	High	27
500	22	Medium	36	High	14
501	21	Medium	32	High	11
502	15	Medium	36	High	21
503	20	Medium	35	High	15
504	17	Medium	36	High	19
505	13	Medium	36	High	23
506	8	Low	36	High	28
507	18	Medium	35	High	17
508	32	High	35	High	3
509	23	Medium	36	High	13

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
541	2	Low	9	Low	7
542	5	Low	36	High	31
543	3	Low	32	High	29
544	7	Low	28	High	21
545	8	Low	35	High	27
546	16	Medium	36	High	20
547	9	Low	35	High	26
548	0	Low	32	High	32
549	16	Medium	36	High	20
550	4	Low	36	High	32
551	1	Low	36	High	35
552	15	Medium	36	High	21
553	4	Low	29	High	25
554	1	Low	30	High	29
555	17	Medium	36	High	19
556	8	Low	33	High	25
557	5	Low	25	High	20
558	1	Low	13	Medium	12
559	0	Low	36	High	36
560	0	Low	28	High	28
561	0	Low	35	High	35
562	0	Low	33	High	33
563	12	Low	36	High	24
564	3	Low	36	High	33
565	6	Low	21	Medium	15
566	12	Low	33	High	21
567	7	Low	27	High	20
568	5	Low	18	Medium	13
569	4	Low	35	High	31

510	6	Low	20	Medium	14
511	35	High	36	High	1
512	29	High	35	High	6
513	21	Medium	32	High	11
514	24	Medium	36	High	12
515	35	High	36	High	1
516	21	Medium	36	High	15
517	18	Medium	36	High	18
518	23	Medium	36	High	13
519	8	Low	12	Low	4
520	26	High	36	High	10
521	8	Low	21	Medium	13
522	25	High	36	High	11
523	8	Low	31	High	23
524	11	Low	34	High	23
525	6	Low	14	Medium	8
526	17	Medium	36	High	19
527	14	Medium	34	High	20
528	21	Medium	24	Medium	3
529	22	Medium	36	High	14
530	6	Low	28	High	22
531	30	High	36	High	6
532	0	Low	33	High	33
533	2	Low	13	Medium	11
534	8	Low	33	High	25
535	21	Medium	36	High	15
536	6	Low	36	High	30
537	16	Medium	36	High	20
538	10	Low	36	High	26
539	4	Low	34	High	30
540	8	Low	33	High	25

570	5	Low	21	Medium	16
571	7	Low	36	High	29
572	5	Low	36	High	31
573	22	Medium	36	High	14
574	5	Low	36	High	31
575	0	Low	36	High	36
576	12	Low	36	High	24
577	0	Low	36	High	36
578	3	Low	34	High	31
579	11	Low	31	High	20
580	3	Low	30	High	27
581	3	Low	36	High	33
582	9	Low	36	High	27
583	3	Low	35	High	32
584	2	Low	36	High	34
585	2	Low	36	High	34
586	2	Low	35	High	33
587	5	Low	34	High	29
588	4	Low	36	High	32
589	1	Low	36	High	35
590	24	Medium	36	High	12
591	6	Low	23	Medium	17
592	8	Low	36	High	28
593	2	Low	36	High	34
594	3	Low	18	Medium	15
595	6	Low	33	High	27
596	4	Low	36	High	32
597	5	Low	23	Medium	18
598	3	Low	36	High	33
599	2	Low	23	Medium	21
600	2	Low	21	Medium	19

No.	Initial Assessment	Final Assessment	(F) -

No.	Initial Assessment	Final Assessment	(F) - (I)

	Correct Responses (I)	Level	Correct Responses (F)	Level	(I)
601	17	Medium	36	High	19
602	6	Low	36	High	30
603	12	Low	36	High	24
604	2	Low	20	Medium	18
605	2	Low	34	High	32
606	3	Low	36	High	33
607	0	Low	11	Low	11
608	9	Low	35	High	26
609	4	Low	36	High	32
610	4	Low	22	Medium	18
611	4	Low	27	High	23
612	5	Low	31	High	26
613	7	Low	36	High	29
614	34	High	35	High	1
615	3	Low	4	Low	1
616	5	Low	34	High	29
617	1	Low	7	Low	6
618	5	Low	23	Medium	18
619	6	Low	23	Medium	17
620	7	Low	33	High	26
621	1	Low	19	Medium	18
622	17	Medium	36	High	19
623	8	Low	20	Medium	12
624	5	Low	35	High	30
625	1	Low	5	Low	4
626	21	Medium	36	High	15
627	1	Low	31	High	30
628	6	Low	35	High	29
629	7	Low	36	High	29
630	8	Low	12	Low	4
631	22	Medium	36	High	14
632	11	Low	36	High	25
633	19	Medium	36	High	17
634	4	Low	18	Medium	14
635	3	Low	36	High	33
636	5	Low	8	Low	3

	Correct Responses (I)	Level	Correct Responses (F)	Level	
661	1	Low	23	Medium	22
662	18	Medium	36	High	18
663	19	Medium	35	High	16
664	11	Low	26	High	15
665	4	Low	14	Medium	10
666	17	Medium	36	High	19
667	35	High	36	High	1
668	6	Low	9	Low	3
669	8	Low	27	High	19
670	21	Medium	36	High	15
671	34	High	35	High	1
672	3	Low	11	Low	8
673	7	Low	19	Medium	12
674	6	Low	36	High	30
675	4	Low	27	High	23
676	15	Medium	36	High	21
677	33	High	36	High	3
678	14	Medium	35	High	21
679	36	High	34	High	-2
680	17	Medium	35	High	18
681	6	Low	25	High	19
682	21	Medium	36	High	15
683	9	Low	26	High	17
684	6	Low	19	Medium	13
685	16	Medium	35	High	19
686	32	High	36	High	4
687	34	High	36	High	2
688	8	Low	32	High	24
689	6	Low	17	Medium	11
690	3	Low	12	Low	9
691	6	Low	23	Medium	17
692	34	High	36	High	2
693	5	Low	10	Low	5
694	23	Medium	36	High	13
695	11	Low	36	High	25
696	14	Medium	36	High	22

636					
637	2	Low	32	High	30
638	12	Low	36	High	24
639	5	Low	6	Low	1
640	0	Low	22	Medium	22
641	9	Low	36	High	27
642	2	Low	12	Low	10
643	7	Low	31	High	24
644	17	Medium	36	High	19
645	3	Low	3	Low	0
646	29	High	36	High	7
647	20	Medium	35	High	15
648	4	Low	21	Medium	17
649	6	Low	22	Medium	16
650	6	Low	36	High	30
651	2	Low	10	Low	8
652	8	Low	26	High	18
653	7	Low	12	Low	5
654	2	Low	8	Low	6
655	4	Low	36	High	32
656	7	Low	29	High	22
657	7	Low	20	Medium	13
658	4	Low	9	Low	5
659	4	Low	21	Medium	17
660	8	Low	16	Medium	8

697	19	Medium	36	High	17
698	18	Medium	36	High	18
699	31	High	36	High	5
700	8	Low	36	High	28
701	11	Low	28	High	17
702	22	Medium	36	High	14
703	15	Medium	36	High	21
704	7	Low	22	Medium	15
705	31	High	32	High	1
706	31	High	36	High	5
707	19	Medium	35	High	16
708	23	Medium	35	High	12
709	7	Low	36	High	29
710	2	Low	10	Low	8
711	34	High	33	High	-1
712	12	Low	34	High	22
713	18	Medium	24	Medium	6
714	13	Medium	29	High	16
715	6	Low	28	High	22
716	8	Low	24	Medium	16
717	17	Medium	35	High	18
718	24	Medium	36	High	12
719	15	Medium	35	High	20
720	18	Medium	36	High	18

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
721	8	Low	36	High	28
722	17	Medium	31	High	14
723	6	Low	11	Low	5
724	10	Low	13	Medium	3
725	7	Low	36	High	29
726	4	Low	36	High	32

727	4	Low	9	Low	5
728	8	Low	29	High	21
729	12	Low	36	High	24
730	9	Low	32	High	23
731	12	Low	25	High	13
732	12	Low	35	High	23
733	4	Low	5	Low	1
734	17	Medium	36	High	19
735	7	Low	36	High	29
736	8	Low	35	High	27
737	0	Low	4	Low	4
738	13	Medium	24	Medium	11
739	7	Low	28	High	21
740	26	High	35	High	9
741	13	Medium	28	High	15
742	13	Medium	12	Low	-1
743	1	Low	6	Low	5
744	10	Low	22	Medium	12
745	14	Medium	36	High	22
746	22	Medium	36	High	14
747	0	Low	6	Low	6
748	5	Low	12	Low	7
749	13	Medium	27	High	14
750	2	Low	8	Low	6
751	0	Low	2	Low	2
752	1	Low	8	Low	7

Outcome Year 4

Table 14: *Individual Performance in Bamboo Multiplication Level 1 Program*

No.	Initial Assessment		Final Assessment		(F) - (I)	No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level			Correct Responses (I)	Level	Correct Responses (F)	Level	
1	16	Medium	18	Medium	2	61	0	Low	9	Low	9
2	12	Low	33	High	21	62	2	Low	4	Low	2
3	5	Low	16	Medium	11	63	0	Low	12	Low	12
4	24	Medium	31	High	7	64	1	Low	35	High	34
5	12	Low	14	Medium	2	65	0	Low	1	Low	1
6	12	Low	18	Medium	6	66	4	Low	23	Medium	19
7	9	Low	10	Low	1	67	0	Low	4	Low	4
8	30	High	36	High	6	68	9	Low	17	Medium	8
9	12	Low	31	High	19	69	6	Low	32	High	26
10	15	Medium	23	Medium	8	70	0	Low	11	Low	11
11	10	Low	23	Medium	13	71	7	Low	16	Medium	9
12	16	Medium	22	Medium	6	72	0	Low	12	Low	12
13	11	Low	13	Medium	2	73	22	Medium	31	High	9
14	11	Low	33	High	22	74	4	Low	21	Medium	17
15	0	Low	3	Low	3	75	8	Low	13	Medium	5
16	3	Low	12	Low	9	76	13	Medium	17	Medium	4
17	11	Low	27	High	16	77	26	High	30	High	4
18	5	Low	16	Medium	11	78	18	Medium	21	Medium	3
19	15	Medium	30	High	15	79	25	High	35	High	10
20	11	Low	35	High	24	80	30	High	34	High	4
21	4	Low	23	Medium	19	81	7	Low	32	High	25
22	21	Medium	32	High	11	82	16	Medium	19	Medium	3
23	10	Low	28	High	18	83	13	Medium	17	Medium	4
24	9	Low	11	Low	2	84	4	Low	7	Low	3
25	9	Low	12	Low	3	85	12	Low	16	Medium	4
26	6	Low	12	Low	6	86	22	Medium	32	High	10
27	5	Low	16	Medium	11	87	12	Low	15	Medium	3
28	12	Low	16	Medium	4	88	11	Low	20	Medium	9
29	7	Low	14	Medium	7	89	16	Medium	17	Medium	1
30	12	Low	15	Medium	3	90	15	Medium	21	Medium	6
31	8	Low	31	High	23	91	8	Low	5	Low	-3
32	11	Low	14	Mediu	3	92	11	Low	15	Medium	4

				m	
33	2	Low	5	Low	3
34	18	Medium	22	Medium	4
35	2	Low	9	Low	7
36	16	Medium	17	Medium	1
37	14	Medium	29	High	15
38	21	Medium	26	High	5
39	6	Low	12	Low	6
40	3	Low	29	High	26
41	0	Low	10	Low	10
42	8	Low	32	High	24
43	14	Medium	28	High	14
44	3	Low	1	Low	-2
45	0	Low	1	Low	1
46	0	Low	5	Low	5
47	7	Low	9	Low	2
48	0	Low	6	Low	6
49	0	Low	15	Medium	15
50	0	Low	3	Low	3
51	2	Low	11	Low	9
52	0	Low	10	Low	10
53	1	Low	3	Low	2
54	6	Low	12	Low	6
55	3	Low	12	Low	9
56	3	Low	6	Low	3
57	5	Low	21	Medium	16
58	0	Low	2	Low	2
59	0	Low	6	Low	6
60	3	Low	13	Medium	10

93	15	Medium	36	High	21
94	17	Medium	19	Medium	2
95	9	Low	14	Medium	5
96	5	Low	15	Medium	10
97	14	Medium	27	High	13
98	10	Low	17	Medium	7
99	12	Low	26	High	14
100	1	Low	36	High	35
101	23	Medium	28	High	5
102	12	Low	32	High	20
103	7	Low	10	Low	3
104	0	Low	12	Low	12
105	11	Low	11	Low	0
106	12	Low	22	Medium	10
107	16	Medium	19	Medium	3
108	13	Medium	35	High	22
109	16	Medium	23	Medium	7
110	10	Low	14	Medium	4
111	6	Low	9	Low	3
112	6	Low	11	Low	5
113	7	Low	9	Low	2
114	6	Low	7	Low	1
115	8	Low	12	Low	4
116	12	Low	13	Medium	1
117	12	Low	31	High	19
118	6	Low	11	Low	5
119	28	High	35	High	7
120	12	Low	18	Medium	6

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
121	8	Low	15	Medium	7
122	16	Medium	19	Medium	3
123	14	Medium	12	Low	-2
124	11	Low	36	High	25
125	5	Low	9	Low	4
12	11	Low	8	Low	-3

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
181	5	Low	36	High	31
182	3	Low	36	High	33
183	0	Low	21	Medium	21
184	0	Low	22	Medium	22
185	4	Low	35	High	31
186	0	Low	35	High	35

6					
127	10	Low	14	Medium	4
128	10	Low	15	Medium	5
129	23	Medium	35	High	12
130	7	Low	24	Medium	17
131	6	Low	20	Medium	14
132	8	Low	15	Medium	7
133	20	Medium	29	High	9
134	22	Medium	20	Medium	-2
135	15	Medium	23	Medium	8
136	36	High	36	High	0
137	27	High	31	High	4
138	36	High	35	High	-1
139	2	Low	3	Low	1
140	6	Low	13	Medium	7
141	12	Low	26	High	14
142	5	Low	6	Low	1
143	6	Low	9	Low	3
144	16	Medium	14	Medium	-2
145	9	Low	21	Medium	12
146	5	Low	7	Low	2
147	2	Low	5	Low	3
148	15	Medium	18	Medium	3
149	6	Low	10	Low	4
150	8	Low	9	Low	1
151	36	High	36	High	0
152	6	Low	4	Low	-2
153	12	Low	16	Medium	4
154	11	Low	13	Medium	2
155	11	Low	24	Medium	13
156	15	Medium	21	Medium	6
157	19	Medium	22	Medium	3
158	14	Medium	14	Medium	0
159	11	Low	23	Medium	12
160	8	Low	16	Medium	8
161	7	Low	6	Low	-1
162	2	Low	1	Low	-1

187	0	Low	0	Low	0
188	12	Low	33	High	21
189	0	Low	12	Low	12
190	0	Low	24	Medium	24
191	7	Low	36	High	29
192	1	Low	32	High	31
193	0	Low	23	Medium	23
194	1	Low	35	High	34
195	0	Low	15	Medium	15
196	5	Low	32	High	27
197	0	Low	27	High	27
198	12	Low	31	High	19
199	0	Low	30	High	30
200	0	Low	23	Medium	23
201	0	Low	32	High	32
202	0	Low	31	High	31
203	1	Low	30	High	29
204	10	Low	11	Low	1
205	11	Low	19	Medium	8
206	6	Low	25	High	19
207	10	Low	23	Medium	13
208	8	Low	22	Medium	14
209	0	Low	18	Medium	18
210	2	Low	12	Low	10
211	1	Low	15	Medium	14
212	6	Low	12	Low	6
213	0	Low	6	Low	6
214	0	Low	13	Medium	13
215	8	Low	21	Medium	13
216	3	Low	27	High	24
217	6	Low	4	Low	-2
218	4	Low	21	Medium	17
219	0	Low	0	Low	0
220	1	Low	20	Medium	19
221	12	Low	30	High	18
222	10	Low	19	Medium	9

163	4	Low	12	Low	8
164	6	Low	14	Medium	8
165	14	Medium	36	High	22
166	18	Medium	33	High	15
167	4	Low	9	Low	5
168	35	High	36	High	1
169	12	Low	22	Medium	10
170	5	Low	35	High	30
171	15	Medium	35	High	20
172	12	Low	20	Medium	8
173	14	Medium	36	High	22
174	22	Medium	36	High	14
175	16	Medium	36	High	20
176	10	Low	33	High	23
177	14	Medium	35	High	21
178	6	Low	36	High	30
179	0	Low	35	High	35
180	4	Low	21	Medium	17

223	12	Low	29	High	17
224	3	Low	15	Medium	12
225	4	Low	17	Medium	13
226	4	Low	15	Medium	11
227	1	Low	8	Low	7
228	22	Medium	35	High	13
229	18	Medium	33	High	15
230	7	Low	33	High	26
231	3	Low	22	Medium	19
232	15	Medium	23	Medium	8
233	3	Low	32	High	29
234	9	Low	10	Low	1
235	7	Low	4	Low	-3
236	15	Medium	35	High	20
237	11	Low	32	High	21
238	6	Low	15	Medium	9
239	3	Low	8	Low	5
240	26	High	36	High	10

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
241	12	Low	31	High	19
242	14	Medium	12	Low	-2
243	2	Low	30	High	28
244	3	Low	29	High	26
245	6	Low	16	Medium	10
246	1	Low	8	Low	7
247	7	Low	19	Medium	12
248	2	Low	0	Low	-2
249	0	Low	7	Low	7
250	0	Low	17	Medium	17
251	2	Low	6	Low	4
252	4	Low	11	Low	7

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
301	0	Low	2	Low	2
302	10	Low	14	Medium	4
303	2	Low	14	Medium	12
304	15	Medium	21	Medium	6
305	0	Low	5	Low	5
306	6	Low	7	Low	1
307	1	Low	5	Low	4
308	8	Low	35	High	27
309	7	Low	15	Medium	8
310	7	Low	23	Medium	16
311	5	Low	21	Medium	16
312	2	Low	11	Low	9

253	5	Low	4	Low	-1
254	16	Medium	34	High	18
255	20	Medium	34	High	14
256	7	Low	27	High	20
257	7	Low	36	High	29
258	13	Medium	35	High	22
259	4	Low	35	High	31
260	13	Medium	36	High	23
261	36	High	36	High	0
262	10	Low	36	High	26
263	11	Low	36	High	25
264	11	Low	36	High	25
265	4	Low	36	High	32
266	3	Low	22	Medium	19
267	21	Medium	36	High	15
268	3	Low	36	High	33
269	9	Low	28	High	19
270	9	Low	36	High	27
271	17	Medium	36	High	19
272	7	Low	26	High	19
273	21	Medium	26	High	5
274	11	Low	36	High	25
275	3	Low	35	High	32
276	4	Low	31	High	27
277	11	Low	18	Medium	7
278	0	Low	11	Low	11
279	4	Low	30	High	26
280	10	Low	33	High	23
281	5	Low	21	Medium	16
282	19	Medium	34	High	15
283	2	Low	18	Medium	16
284	7	Low	14	Medium	7
285	13	Medium	34	High	21
286	3	Low	28	High	25
287	6	Low	35	High	29
288	10	Low	15	Medium	5
28	5	Low	34	High	29

313	2	Low	8	Low	6
314	0	Low	0	Low	0
315	6	Low	12	Low	6
316	10	Low	20	Medium	10
317	11	Low	13	Medium	2
318	18	Medium	34	High	16
319	6	Low	19	Medium	13
320	15	Medium	25	High	10
321	1	Low	9	Low	8
322	4	Low	18	Medium	14
323	8	Low	23	Medium	15
324	10	Low	14	Medium	4
325	2	Low	8	Low	6
326	5	Low	16	Medium	11
327	9	Low	21	Medium	12
328	1	Low	0	Low	-1
329	7	Low	29	High	22
330	15	Medium	29	High	14
331	9	Low	28	High	19
332	5	Low	14	Medium	9
333	9	Low	24	Medium	15
334	5	Low	15	Medium	10
335	5	Low	17	Medium	12
336	2	Low	4	Low	2
337	12	Low	15	Medium	3
338	2	Low	7	Low	5
339	12	Low	17	Medium	5
340	5	Low	13	Medium	8
341	17	Medium	27	High	10
342	1	Low	20	Medium	19
343	1	Low	16	Medium	15
344	8	Low	35	High	27
345	2	Low	24	Medium	22
346	2	Low	14	Medium	12
347	2	Low	10	Low	8
348	5	Low	28	High	23
349	4	Low	24	Medium	20

9					
290	2	Low	24	Medium	22
291	21	Medium	36	High	15
292	9	Low	36	High	27
293	2	Low	16	Medium	14
294	3	Low	33	High	30
295	14	Medium	36	High	22
296	0	Low	11	Low	11
297	5	Low	10	Low	5
298	2	Low	6	Low	4
299	2	Low	17	Medium	15
300	33	High	35	High	2

350	2	Low	16	Medium	14
351	0	Low	17	Medium	17
352	1	Low	21	Medium	20
353	2	Low	15	Medium	13
354	2	Low	12	Low	10
355	12	Low	34	High	22
356	5	Low	14	Medium	9
357	2	Low	12	Low	10
358	12	Low	28	High	16
359	0	Low	0	Low	0
360	6	Low	12	Low	6

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
361	2	Low	23	Medium	21
362	6	Low	30	High	24
363	2	Low	13	Medium	11
364	2	Low	0	Low	-2
365	1	Low	28	High	27
366	0	Low	13	Medium	13
367	5	Low	14	Medium	9
368	1	Low	5	Low	4
369	8	Low	33	High	25
370	2	Low	18	Medium	16
371	4	Low	14	Medium	10
372	3	Low	6	Low	3
373	3	Low	22	Medium	19
374	0	Low	15	Medium	15
375	2	Low	14	Medium	12
376	6	Low	13	Medium	7
377	0	Low	9	Low	9
378	0	Low	22	Medium	22
37	1	Low	13	Medium	12

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
421	6	Low	26	High	20
422	23	Medium	31	High	8
423	16	Medium	16	Medium	0
424	2	Low	36	High	34
425	10	Low	35	High	25
426	17	Medium	30	High	13
427	13	Medium	36	High	23
428	0	Low	32	High	32
429	11	Low	35	High	24
430	12	Low	34	High	22
431	11	Low	33	High	22
432	9	Low	35	High	26
433	0	Low	12	Low	12
434	6	Low	25	High	19
435	7	Low	36	High	29
436	15	Medium	35	High	20
437	21	Medium	36	High	15
438	4	Low	22	Medium	18
439	2	Low	15	Medium	13

9					
380	1	Low	1	Low	0
381	0	Low	1	Low	1
382	2	Low	2	Low	0
383	0	Low	0	Low	0
384	6	Low	29	High	23
385	3	Low	18	Medium	15
386	0	Low	6	Low	6
387	0	Low	15	Medium	15
388	0	Low	16	Medium	16
389	0	Low	4	Low	4
390	14	Medium	35	High	21
391	0	Low	30	High	30
392	1	Low	13	Medium	12
393	0	Low	6	Low	6
394	2	Low	19	Medium	17
395	6	Low	20	Medium	14
396	2	Low	0	Low	-2
397	0	Low	4	Low	4
398	0	Low	1	Low	1
399	6	Low	10	Low	4
400	0	Low	0	Low	0
401	0	Low	2	Low	2
402	3	Low	15	Medium	12
403	0	Low	0	Low	0
404	6	Low	15	Medium	9
405	5	Low	11	Low	6
406	4	Low	6	Low	2
407	7	Low	18	Medium	11
408	7	Low	29	High	22
409	0	Low	1	Low	1
410	4	Low	13	Medium	9
411	6	Low	31	High	25
412	13	Medium	33	High	20
413	2	Low	7	Low	5
414	3	Low	2	Low	-1
415	15	Medium	14	Medium	-1

440	1	Low	22	Medium	21
441	5	Low	36	High	31
442	3	Low	36	High	33
443	9	Low	35	High	26
444	2	Low	35	High	33
445	0	Low	0	Low	0
446	6	Low	35	High	29
447	2	Low	11	Low	9
448	4	Low	11	Low	7
449	14	Medium	11	Low	-3
450	2	Low	16	Medium	14
451	9	Low	16	Medium	7
452	2	Low	2	Low	0
453	0	Low	5	Low	5
454	12	Low	36	High	24
455	8	Low	21	Medium	13
456	0	Low	13	Medium	13
457	1	Low	13	Medium	12
458	1	Low	15	Medium	14
459	1	Low	3	Low	2
460	3	Low	17	Medium	14
461	4	Low	35	High	31
462	1	Low	11	Low	10
463	5	Low	2	Low	-3
464	0	Low	3	Low	3
465	0	Low	9	Low	9
466	1	Low	19	Medium	18
467	1	Low	8	Low	7
468	0	Low	17	Medium	17
469	3	Low	15	Medium	12
470	0	Low	4	Low	4
471	3	Low	8	Low	5
472	0	Low	21	Medium	21
473	4	Low	11	Low	7
474	0	Low	3	Low	3
475	2	Low	17	Medium	15

416	2	Low	5	Low	3
417	0	Low	22	Medium	22
418	8	Low	21	Medium	13
419	3	Low	19	Medium	16
420	3	Low	11	Low	8

476	5	Low	12	Low	7
477	2	Low	22	Medium	20
478	7	Low	13	Medium	6
479	3	Low	24	Medium	21
480	2	Low	5	Low	3

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
481	12	Low	20	Medium	8
482	20	Medium	18	Medium	-2
483	15	Medium	16	Medium	1
484	11	Low	9	Low	-2
485	2	Low	4	Low	2
486	10	Low	30	High	20
487	13	Medium	19	Medium	6
488	11	Low	33	High	22
489	19	Medium	31	High	12
490	18	Medium	35	High	17
491	10	Low	18	Medium	8
492	7	Low	14	Medium	7
493	7	Low	13	Medium	6
494	18	Medium	24	Medium	6
495	10	Low	13	Medium	3
496	11	Low	13	Medium	2
497	16	Medium	28	High	12
498	13	Medium	16	Medium	3
499	7	Low	11	Low	4
500	7	Low	11	Low	4
501	22	Medium	36	High	14
502	7	Low	14	Medium	7
503	14	Medium	16	Medium	2
504	10	Low	17	Medium	7
505	27	High	36	High	9

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
541	18	Medium	34	High	16
542	17	Medium	28	High	11
543	12	Low	32	High	20
544	6	Low	25	High	19
545	20	Medium	35	High	15
546	20	Medium	36	High	16
547	15	Medium	27	High	12
548	11	Low	36	High	25
549	28	High	27	High	-1
550	23	Medium	32	High	9
551	20	Medium	33	High	13
552	12	Low	13	Medium	1
553	25	High	23	Medium	-2
554	26	High	31	High	5
555	22	Medium	28	High	6
556	23	Medium	35	High	12
557	2	Low	12	Low	10
558	23	Medium	36	High	13
559	27	High	35	High	8
560	19	Medium	30	High	11
561	36	High	36	High	0
562	20	Medium	36	High	16
563	4	Low	13	Medium	9
564	16	Medium	36	High	20
565	27	High	24	Medium	-3

506	7	Low	11	Low	4
507	10	Low	35	High	25
508	15	Medium	15	Medium	0
509	3	Low	13	Medium	10
510	7	Low	11	Low	4
511	1	Low	13	Medium	12
512	2	Low	13	Medium	11
513	18	Medium	34	High	16
514	22	Medium	34	High	12
515	24	Medium	36	High	12
516	13	Medium	36	High	23
517	32	High	36	High	4
518	5	Low	29	High	24
519	8	Low	35	High	27
520	29	High	36	High	7
521	24	Medium	34	High	10
522	8	Low	9	Low	1
523	13	Medium	33	High	20
524	14	Medium	33	High	19
525	1	Low	12	Low	11
526	35	High	35	High	0
527	8	Low	33	High	25
528	21	Medium	36	High	15
529	19	Medium	36	High	17
530	33	High	36	High	3
531	6	Low	15	Medium	9
532	20	Medium	36	High	16
533	13	Medium	18	Medium	5
534	9	Low	34	High	25
535	7	Low	33	High	26
536	14	Medium	34	High	20
537	17	Medium	32	High	15
538	24	Medium	34	High	10
539	18	Medium	35	High	17
540	23	Medium	35	High	12

566	10	Low	31	High	21
567	9	Low	19	Medium	10
568	6	Low	15	Medium	9
569	20	Medium	26	High	6
570	5	Low	24	Medium	19
571	28	High	36	High	8
572	17	Medium	34	High	17
573	9	Low	31	High	22
574	13	Medium	16	Medium	3
575	12	Low	21	Medium	9
576	9	Low	16	Medium	7
577	14	Medium	25	High	11
578	27	High	36	High	9
579	15	Medium	35	High	20
580	26	High	31	High	5
581	16	Medium	26	High	10
582	2	Low	9	Low	7
583	8	Low	32	High	24
584	1	Low	14	Medium	13
585	13	Medium	36	High	23
586	12	Low	36	High	24
587	9	Low	18	Medium	9
588	7	Low	22	Medium	15
589	5	Low	17	Medium	12
590	21	Medium	34	High	13
591	12	Low	17	Medium	5
592	13	Medium	11	Low	-2
593	12	Low	28	High	16
594	22	Medium	31	High	9
595	11	Low	36	High	25
596	24	Medium	31	High	7
597	20	Medium	30	High	10
598	22	Medium	34	High	12
599	4	Low	17	Medium	13
600	19	Medium	25	High	6

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
601	4	Low	22	Medium	18
602	7	Low	27	High	20
603	7	Low	14	Medium	7
604	10	Low	19	Medium	9
605	26	High	31	High	5
606	32	High	35	High	3
607	18	Medium	27	High	9
608	12	Low	24	Medium	12
609	23	Medium	34	High	11
610	6	Low	27	High	21
611	14	Medium	24	Medium	10
612	20	Medium	34	High	14
613	10	Low	34	High	24
614	21	Medium	32	High	11
615	36	High	34	High	-2
616	19	Medium	36	High	17
617	17	Medium	36	High	19
618	18	Medium	33	High	15
619	6	Low	33	High	27
620	8	Low	22	Medium	14
621	17	Medium	17	Medium	0
622	10	Low	23	Medium	13
623	18	Medium	20	Medium	2
624	16	Medium	29	High	13
625	15	Medium	33	High	18
626	7	Low	23	Medium	16
627	22	Medium	34	High	12
628	13	Medium	26	High	13
629	21	Medium	35	High	14
630	14	Medium	24	Medium	10
631	18	Medium	35	High	17
63	9	Low	30	High	21

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
661	2	Low	34	High	32
662	4	Low	34	High	30
663	1	Low	17	Medium	16
664	12	Low	25	High	13
665	9	Low	31	High	22
666	11	Low	34	High	23
667	2	Low	7	Low	5
668	18	Medium	33	High	15
669	2	Low	10	Low	8
670	1	Low	4	Low	3
671	1	Low	15	Medium	14
672	3	Low	23	Medium	20
673	6	Low	26	High	20
674	5	Low	18	Medium	13
675	7	Low	15	Medium	8
676	0	Low	23	Medium	23
677	2	Low	22	Medium	20
678	0	Low	11	Low	11
679	6	Low	36	High	30
680	14	Medium	32	High	18
681	14	Medium	36	High	22
682	4	Low	26	High	22
683	11	Low	25	High	14
684	3	Low	7	Low	4
685	7	Low	21	Medium	14
686	8	Low	33	High	25
687	7	Low	20	Medium	13
688	8	Low	12	Low	4
689	6	Low	19	Medium	13
690	2	Low	10	Low	8
691	17	Medium	35	High	18
692	4	Low	16	Medium	12

2					
633	14	Medium	26	High	12
634	15	Medium	31	High	16
635	16	Medium	26	High	10
636	15	Medium	23	Medium	8
637	12	Low	19	Medium	7
638	11	Low	34	High	23
639	6	Low	18	Medium	12
640	12	Low	36	High	24
641	6	Low	21	Medium	15
642	0	Low	13	Medium	13
643	3	Low	25	High	22
644	11	Low	33	High	22
645	13	Medium	35	High	22
646	1	Low	10	Low	9
647	3	Low	6	Low	3
648	14	Medium	34	High	20
649	19	Medium	17	Medium	-2
650	13	Medium	34	High	21
651	6	Low	14	Medium	8
652	0	Low	14	Medium	14
653	23	Medium	36	High	13
654	2	Low	8	Low	6
655	5	Low	19	Medium	14
656	18	Medium	25	High	7
657	5	Low	22	Medium	17
658	8	Low	29	High	21
659	6	Low	31	High	25
660	1	Low	22	Medium	21

693	1	Low	15	Medium	14
694	1	Low	12	Low	11
695	1	Low	16	Medium	15
696	10	Low	22	Medium	12
697	13	Medium	15	Medium	2
698	3	Low	15	Medium	12
699	1	Low	2	Low	1
700	10	Low	12	Low	2
701	4	Low	31	High	27
702	12	Low	29	High	17
703	4	Low	26	High	22
704	8	Low	24	Medium	16
705	22	Medium	35	High	13
706	18	Medium	29	High	11
707	9	Low	36	High	27
708	6	Low	36	High	30
709	0	Low	21	Medium	21
710	6	Low	29	High	23
711	0	Low	1	Low	1
712	10	Low	36	High	26
713	8	Low	33	High	25
714	6	Low	16	Medium	10
715	9	Low	34	High	25
716	19	Medium	29	High	10
717	9	Low	34	High	25
718	0	Low	34	High	34
719	0	Low	34	High	34
720	6	Low	30	High	24

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
721	7	Low	32	High	25
72	17	Medium	36	High	19

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
781	4	Low	18	Medium	14
782	9	Low	16	Medium	7

2					
723	16	Medium	34	High	18
724	11	Low	27	High	16
725	12	Low	25	High	13
726	6	Low	22	Medium	16
727	17	Medium	19	Medium	2
728	9	Low	34	High	25
729	6	Low	35	High	29
730	14	Medium	36	High	22
731	3	Low	35	High	32
732	7	Low	19	Medium	12
733	5	Low	21	Medium	16
734	2	Low	13	Medium	11
735	10	Low	36	High	26
736	9	Low	24	Medium	15
737	13	Medium	25	High	12
738	12	Low	20	Medium	8
739	13	Medium	36	High	23
740	19	Medium	31	High	12
741	6	Low	19	Medium	13
742	7	Low	9	Low	2
743	5	Low	25	High	20
744	21	Medium	35	High	14
745	22	Medium	36	High	14
746	13	Medium	36	High	23
747	0	Low	17	Medium	17
748	6	Low	36	High	30
749	3	Low	16	Medium	13
750	6	Low	19	Medium	13
751	10	Low	34	High	24
752	12	Low	19	Medium	7
753	32	High	35	High	3
754	10	Low	36	High	26
755	1	Low	9	Low	8
756	7	Low	24	Medium	17
757	17	Medium	36	High	19
758	4	Low	15	Medium	11

783	7	Low	24	Medium	17
784	17	Medium	36	High	19
785	11	Low	36	High	25
786	15	Medium	36	High	21
787	3	Low	20	Medium	17
788	2	Low	35	High	33
789	12	Low	22	Medium	10
790	13	Medium	18	Medium	5
791	4	Low	13	Medium	9
792	12	Low	32	High	20
793	12	Low	34	High	22
794	2	Low	13	Medium	11
795	1	Low	19	Medium	18
796	5	Low	14	Medium	9
797	18	Medium	36	High	18
798	0	Low	14	Medium	14
799	9	Low	35	High	26
800	16	Medium	35	High	19
801	2	Low	16	Medium	14
802	15	Medium	32	High	17
803	2	Low	12	Low	10
804	3	Low	14	Medium	11
805	36	High	36	High	0
806	0	Low	12	Low	12
807	6	Low	35	High	29
808	1	Low	5	Low	4
809	14	Medium	33	High	19
810	12	Low	32	High	20
811	24	Medium	34	High	10
812	15	Medium	35	High	20
813	36	High	36	High	0
814	36	High	36	High	0
815	2	Low	3	Low	1
816	12	Low	26	High	14
817	10	Low	33	High	23
818	8	Low	13	Medium	5

759	23	Medium	36	High	13
760	11	Low	22	Medium	11
761	9	Low	35	High	26
762	8	Low	35	High	27
763	14	Medium	36	High	22
764	17	Medium	35	High	18
765	13	Medium	35	High	22
766	9	Low	28	High	19
767	12	Low	35	High	23
768	2	Low	12	Low	10
769	8	Low	22	Medium	14
770	11	Low	26	High	15
771	7	Low	36	High	29
772	1	Low	22	Medium	21
773	11	Low	36	High	25
774	9	Low	36	High	27
775	10	Low	30	High	20
776	5	Low	18	Medium	13
777	3	Low	33	High	30
778	10	Low	31	High	21
779	14	Medium	36	High	22
780	8	Low	15	Medium	7

819	30	High	34	High	4
820	24	Medium	36	High	12
821	7	Low	25	High	18
822	16	Medium	32	High	16
823	8	Low	9	Low	1
824	4	Low	11	Low	7
825	7	Low	11	Low	4
826	2	Low	14	Medium	12
827	3	Low	27	High	24
828	5	Low	12	Low	7
829	0	Low	7	Low	7
830	6	Low	25	High	19
831	22	Medium	34	High	12
832	11	Low	33	High	22
833	4	Low	11	Low	7
834	11	Low	20	Medium	9
835	4	Low	5	Low	1
836	1	Low	1	Low	0
837	4	Low	36	High	32
838	6	Low	20	Medium	14
839	2	Low	18	Medium	16
840	0	Low	12	Low	12

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
841	7	Low	33	High	26
842	4	Low	25	High	21
843	22	Medium	36	High	14
844	7	Low	19	Medium	12
845	10	Low	36	High	26
846	4	Low	5	Low	1
847	21	Medium	36	High	15
848	2	Low	29	High	27
84	13	Medium	36	High	23

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
901	11	Low	25	High	14
902	7	Low	19	Medium	12
903	9	Low	27	High	18
904	30	High	35	High	5
905	1	Low	9	Low	8
906	18	Medium	21	Medium	3
907	0	Low	8	Low	8
908	30	High	35	High	5
909	33	High	36	High	3

9					
850	11	Low	15	Medium	4
851	3	Low	18	Medium	15
852	18	Medium	36	High	18
853	9	Low	36	High	27
854	29	High	34	High	5
855	6	Low	34	High	28
856	12	Low	31	High	19
857	20	Medium	36	High	16
858	9	Low	36	High	27
859	26	High	34	High	8
860	26	High	36	High	10
861	26	High	36	High	10
862	7	Low	26	High	19
863	1	Low	26	High	25
864	4	Low	19	Medium	15
865	18	Medium	36	High	18
866	33	High	36	High	3
867	8	Low	36	High	28
868	3	Low	19	Medium	16
869	10	Low	35	High	25
870	17	Medium	36	High	19
871	1	Low	14	Medium	13
872	5	Low	30	High	25
873	8	Low	33	High	25
874	17	Medium	23	Medium	6
875	11	Low	35	High	24
876	2	Low	13	Medium	11
877	23	Medium	36	High	13
878	22	Medium	36	High	14
879	36	High	36	High	0
880	20	Medium	36	High	16
881	16	Medium	36	High	20
882	5	Low	13	Medium	8
883	27	High	36	High	9
884	13	Medium	35	High	22
885	12	Low	35	High	23

910	36	High	36	High	0
911	2	Low	30	High	28
912	1	Low	14	Medium	13
913	2	Low	21	Medium	19
914	4	Low	36	High	32
915	12	Low	32	High	20
916	10	Low	32	High	22
917	7	Low	19	Medium	12
918	13	Medium	24	Medium	11
919	17	Medium	36	High	19
920	10	Low	35	High	25
921	8	Low	20	Medium	12
922	25	High	36	High	11
923	8	Low	35	High	27
924	3	Low	21	Medium	18
925	11	Low	36	High	25
926	12	Low	31	High	19
927	0	Low	19	Medium	19
928	2	Low	8	Low	6
929	3	Low	16	Medium	13
930	17	Medium	36	High	19
931	7	Low	9	Low	2
932	11	Low	36	High	25
933	4	Low	35	High	31
934	33	High	36	High	3
935	17	Medium	36	High	19
936	5	Low	17	Medium	12
937	36	High	36	High	0
938	20	Medium	35	High	15
939	8	Low	18	Medium	10
940	18	Medium	36	High	18
941	16	Medium	36	High	20
942	12	Low	36	High	24
943	7	Low	36	High	29
944	29	High	32	High	3
945	33	High	35	High	2

886	8	Low	33	High	25
887	16	Medium	35	High	19
888	7	Low	35	High	28
889	35	High	36	High	1
890	15	Medium	33	High	18
891	0	Low	0	Low	0
892	36	High	36	High	0
893	10	Low	35	High	25
894	36	High	33	High	-3
895	7	Low	36	High	29
896	8	Low	35	High	27
897	1	Low	32	High	31
898	5	Low	30	High	25
899	0	Low	8	Low	8
900	16	Medium	36	High	20

946	27	High	34	High	7
947	10	Low	18	Medium	8
948	20	Medium	36	High	16
949	10	Low	35	High	25
950	19	Medium	36	High	17
951	10	Low	14	Medium	4
952	11	Low	36	High	25
953	13	Medium	36	High	23
954	4	Low	21	Medium	17
955	31	High	36	High	5
956	12	Low	35	High	23
957	12	Low	28	High	16
958	35	High	36	High	1
959	15	Medium	35	High	20
960	0	Low	33	High	33

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
961	7	Low	23	Medium	16
962	5	Low	20	Medium	15
963	26	High	36	High	10
964	23	Medium	36	High	13
965	0	Low	3	Low	3
966	10	Low	31	High	21
967	36	High	36	High	0
968	35	High	36	High	1
969	2	Low	16	Medium	14
970	10	Low	30	High	20
971	10	Low	35	High	25
972	24	Medium	35	High	11
973	36	High	36	High	0
974	15	Medium	35	High	20
975	11	Low	36	High	25
976	20	Medium	34	High	14
977	4	Low	36	High	32
978	18	Medium	36	High	18
979	18	Medium	33	High	15
980	12	Low	35	High	23
981	29	High	36	High	7
982	27	High	35	High	8
983	18	Medium	35	High	17

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
1,021	30	High	36	High	6
1,022	24	Medium	36	High	12
1,023	32	High	36	High	4
1,024	36	High	36	High	0
1,025	12	Low	35	High	23
1,026	33	High	36	High	3
1,027	36	High	36	High	0
1,028	36	High	35	High	-1
1,029	23	Medium	35	High	12
1,030	21	Medium	36	High	15
1,031	15	Medium	36	High	21
1,032	31	High	36	High	5
1,033	36	High	36	High	0
1,034	24	Medium	28	High	4
1,035	30	High	36	High	6
1,036	13	Medium	35	High	22
1,037	35	High	36	High	1
1,038	25	High	36	High	11
1,039	13	Medium	36	High	23
1,040	1	Low	26	High	25
1,041	7	Low	7	Low	0
1,042	21	Medium	35	High	14
1,043	27	High	36	High	9

984	16	Medium	35	High	19
985	36	High	36	High	0
986	36	High	36	High	0
987	36	High	36	High	0
988	28	High	36	High	8
989	23	Medium	36	High	13
990	23	Medium	35	High	12
991	13	Medium	34	High	21
992	19	Medium	36	High	17
993	34	High	36	High	2
994	23	Medium	33	High	10
995	32	High	36	High	4
996	36	High	35	High	-1
997	25	High	36	High	11
998	12	Low	34	High	22
999	9	Low	31	High	22
1,000	28	High	36	High	8
1,001	24	Medium	36	High	12
1,002	14	Medium	36	High	22
1,003	19	Medium	36	High	17
1,004	31	High	36	High	5
1,005	22	Medium	36	High	14
1,006	11	Low	34	High	23
1,007	36	High	35	High	-1
1,008	36	High	35	High	-1
1,009	35	High	36	High	1
1,010	36	High	36	High	0
1,011	20	Medium	35	High	15
1,012	36	High	36	High	0
1,013	21	Medium	36	High	15
1,014	18	Medium	34	High	16
1,015	36	High	36	High	0
1,016	28	High	36	High	8
1,017	36	High	36	High	0
1,018	22	Medium	36	High	14
1,019	21	Medium	36	High	15
1,020	24	Medium	35	High	11

1,044	5	Low	21	Medium	16
1,045	34	High	36	High	2
1,046	8	Low	36	High	28
1,047	16	Medium	36	High	20
1,048	14	Medium	36	High	22
1,049	30	High	36	High	6
1,050	7	Low	31	High	24
1,051	21	Medium	36	High	15
1,052	10	Low	32	High	22
1,053	8	Low	36	High	28
1,054	12	Low	35	High	23
1,055	19	Medium	36	High	17
1,056	11	Low	36	High	25
1,057	3	Low	22	Medium	19
1,058	19	Medium	36	High	17
1,059	17	Medium	36	High	19
1,060	6	Low	36	High	30
1,061	11	Low	36	High	25
1,062	11	Low	36	High	25
1,063	9	Low	14	Medium	5
1,064	7	Low	13	Medium	6
1,065	2	Low	11	Low	9
1,066	24	Medium	36	High	12
1,067	19	Medium	35	High	16
1,068	23	Medium	36	High	13
1,069	13	Medium	34	High	21
1,070	30	High	36	High	6
1,071	21	Medium	36	High	15
1,072	29	High	36	High	7
1,073	1	Low	8	Low	7
1,074	6	Low	14	Medium	8
1,075	24	Medium	36	High	12
1,076	3	Low	35	High	32
1,077	10	Low	27	High	17
1,078	5	Low	15	Medium	10
1,079	6	Low	27	High	21
1,080	6	Low	25	High	19
1,081	10	Low	36	High	26

Outcome Year 5

Table 15: *Individual Performance in Bamboo Multiplication Level 1 Program*

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
1	15	Medium	19	Medium	4
2	36	High	36	High	0
3	22	Medium	26	High	4

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
61	2	Low	16	Medium	14
62	5	Low	31	High	26
63	15	Medium	35	High	20

4	31	High	35	High	4
5	34	High	32	High	-2
6	18	Medium	25	High	7
7	18	Medium	21	Medium	3
8	8	Low	14	Medium	6
9	32	High	32	High	0
10	16	Medium	20	Medium	4
11	30	High	35	High	5
12	7	Low	9	Low	2
13	18	Medium	30	High	12
14	19	Medium	33	High	14
15	19	Medium	28	High	9
16	15	Medium	25	High	10
17	33	High	36	High	3
18	4	Low	6	Low	2
19	21	Medium	31	High	10
20	23	Medium	28	High	5
21	24	Medium	32	High	8
22	9	Low	24	Medium	15
23	23	Medium	36	High	13
24	35	High	36	High	1
25	30	High	36	High	6
26	16	Medium	25	High	9
27	9	Low	28	High	19
28	17	Medium	28	High	11
29	0	Low	23	Medium	23
30	24	Medium	35	High	11
31	34	High	36	High	2
32	36	High	36	High	0
33	11	Low	16	Medium	5
34	14	Medium	36	High	22
35	28	High	35	High	7
36	11	Low	36	High	25
37	29	High	31	High	2
38	11	Low	35	High	24
39	16	Medium	36	High	20
40	26	High	36	High	10
41	28	High	36	High	8
42	19	Medium	26	High	7
43	14	Medium	36	High	22
44	11	Low	21	Medium	10
45	20	Medium	35	High	15
46	6	Low	24	Medium	18
47	19	Medium	36	High	17
48	5	Low	32	High	27

64	2	Low	1	Low	-1
65	10	Low	31	High	21
66	17	Medium	36	High	19
67	1	Low	29	High	28
68	0	Low	18	Medium	18
69	2	Low	3	Low	1
70	5	Low	7	Low	2
71	14	Medium	33	High	19
72	12	Low	26	High	14
73	7	Low	24	Medium	17
74	3	Low	12	Low	9
75	6	Low	21	Medium	15
76	16	Medium	29	High	13
77	6	Low	27	High	21
78	7	Low	27	High	20
79	5	Low	29	High	24
80	20	Medium	33	High	13
81	15	Medium	35	High	20
82	14	Medium	31	High	17
83	7	Low	15	Medium	8
84	18	Medium	28	High	10
85	14	Medium	36	High	22
86	0	Low	17	Medium	17
87	18	Medium	34	High	16
88	13	Medium	31	High	18
89	3	Low	14	Medium	11
90	12	Low	31	High	19
91	1	Low	6	Low	5
92	6	Low	10	Low	4
93	8	Low	29	High	21
94	1	Low	21	Medium	20
95	15	Medium	35	High	20
96	3	Low	9	Low	6
97	8	Low	11	Low	3
98	4	Low	17	Medium	13
99	5	Low	20	Medium	15
100	12	Low	14	Medium	2
101	21	Medium	36	High	15
102	19	Medium	29	High	10
103	3	Low	1	Low	-2
104	11	Low	21	Medium	10
105	4	Low	24	Medium	20
106	1	Low	0	Low	-1
107	1	Low	13	Medium	12
10	11	Low	35	High	24

49	19	Medium	36	High	17
50	24	Medium	36	High	12
51	15	Medium	33	High	18
52	15	Medium	29	High	14
53	19	Medium	36	High	17
54	10	Low	36	High	26
55	8	Low	36	High	28
56	12	Low	36	High	24
57	15	Medium	34	High	19
58	18	Medium	36	High	18
59	14	Medium	35	High	21
60	3	Low	19	Medium	16
108					
109	12	Low	29	High	17
110	14	Medium	33	High	19
111	15	Medium	36	High	21
112	2	Low	1	Low	-1
113	29	High	33	High	4
114	1	Low	13	Medium	12
115	0	Low	14	Medium	14
116	5	Low	20	Medium	15
117	7	Low	20	Medium	13
118	14	Medium	29	High	15
119	8	Low	27	High	19
120	18	Medium	35	High	17

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
121	6	Low	19	Medium	13
122	11	Low	31	High	20
123	11	Low	14	Medium	3
124	0	Low	15	Medium	15
125	3	Low	14	Medium	11
126	5	Low	33	High	28
127	8	Low	18	Medium	10
128	5	Low	31	High	26
129	21	Medium	33	High	12
130	0	Low	4	Low	4
131	10	Low	34	High	24
132	27	High	35	High	8
133	11	Low	32	High	21
134	13	Medium	32	High	19
135	2	Low	4	Low	2
136	2	Low	19	Medium	17
137	28	High	35	High	7
138	9	Low	30	High	21
139	19	Medium	35	High	16
140	30	High	35	High	5

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
181	10	Low	18	Medium	8
182	13	Medium	24	Medium	11
183	4	Low	3	Low	-1
184	26	High	35	High	9
185	16	Medium	21	Medium	5
186	15	Medium	36	High	21
187	14	Medium	28	High	14
188	15	Medium	28	High	13
189	7	Low	35	High	28
190	17	Medium	35	High	18
191	7	Low	18	Medium	11
192	19	Medium	36	High	17
193	6	Low	31	High	25
194	7	Low	33	High	26
195	4	Low	13	Medium	9
196	7	Low	17	Medium	10
197	25	High	36	High	11
198	7	Low	33	High	26
199	26	High	36	High	10
200	1	Low	10	Low	9

141	33	High	36	High	3
142	1	Low	4	Low	3
143	29	High	36	High	7
144	24	Medium	33	High	9
145	31	High	36	High	5
146	36	High	36	High	0
147	28	High	36	High	8
148	18	Medium	36	High	18
149	11	Low	24	Medium	13
150	32	High	36	High	4
151	4	Low	21	Medium	17
152	23	Medium	36	High	13
153	35	High	36	High	1
154	24	Medium	36	High	12
155	29	High	36	High	7
156	16	Medium	34	High	18
157	14	Medium	36	High	22
158	4	Low	26	High	22
159	10	Low	15	Medium	5
160	7	Low	36	High	29
161	13	Medium	19	Medium	6
162	14	Medium	36	High	22
163	7	Low	8	Low	1
164	33	High	35	High	2
165	36	High	36	High	0
166	12	Low	20	Medium	8
167	6	Low	13	Medium	7
168	32	High	36	High	4
169	19	Medium	36	High	17
170	25	High	36	High	11
171	30	High	36	High	6
172	6	Low	11	Low	5
173	0	Low	0	Low	0
174	15	Medium	35	High	20
175	4	Low	15	Medium	11
176	20	Medium	35	High	15
177	21	Medium	22	Medium	1

201	8	Low	19	Medium	11
202	11	Low	36	High	25
203	31	High	36	High	5
204	10	Low	31	High	21
205	8	Low	18	Medium	10
206	31	High	36	High	5
207	17	Medium	35	High	18
208	9	Low	9	Low	0
209	8	Low	24	Medium	16
210	3	Low	20	Medium	17
211	11	Low	32	High	21
212	9	Low	35	High	26
213	18	Medium	30	High	12
214	4	Low	5	Low	1
215	8	Low	23	Medium	15
216	4	Low	15	Medium	11
217	6	Low	18	Medium	12
218	6	Low	25	High	19
219	2	Low	30	High	28
220	24	Medium	36	High	12
221	2	Low	23	Medium	21
222	7	Low	28	High	21
223	24	Medium	26	High	2
224	6	Low	23	Medium	17
225	10	Low	36	High	26
226	1	Low	33	High	32
227	19	Medium	27	High	8
228	6	Low	17	Medium	11
229	12	Low	24	Medium	12
230	12	Low	34	High	22
231	8	Low	5	Low	-3
232	8	Low	34	High	26
233	29	High	36	High	7
234	32	High	35	High	3
235	2	Low	7	Low	5
236	6	Low	30	High	24
237	13	Medium	33	High	20

7					
178	7	Low	20	Medium	13
179	29	High	36	High	7
180	16	Medium	36	High	20

238	25	High	32	High	7
239	26	High	35	High	9
240	5	Low	21	Medium	16

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
240	5	Low	21	Medium	16
241	12	Low	13	Medium	1
242	26	High	34	High	8
243	12	Low	21	Medium	9
244	10	Low	35	High	25
245	9	Low	23	Medium	14
246	36	High	36	High	0
247	6	Low	21	Medium	15
248	4	Low	12	Low	8
249	35	High	36	High	1
250	7	Low	36	High	29
251	14	Medium	36	High	22
252	23	Medium	36	High	13
253	9	Low	28	High	19
254	10	Low	16	Medium	6
255	3	Low	13	Medium	10
256	17	Medium	35	High	18
257	29	High	36	High	7
258	20	Medium	30	High	10

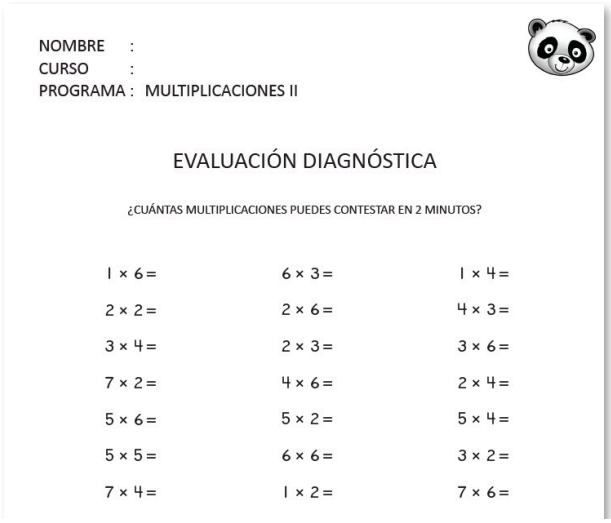
Appendix E: Results of Bamboo Multiplication Level 2 Program

- **Year 3, 4 and 5**
- **Students Assessed: 1,248**

Assessment Instrument

Students were assessed before the program began and again roughly three months later, using two matched 36-question tests with a strict 2-minute time limit

Initial Assessment



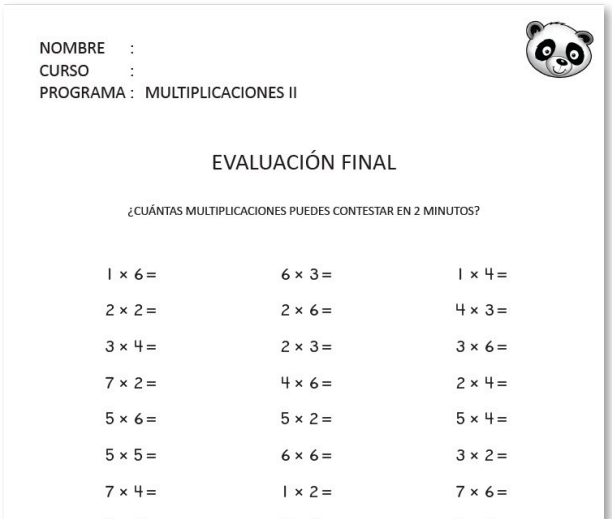
NOMBRE :
CURSO :
PROGRAMA : MULTIPLICACIONES II

EVALUACIÓN DIAGNÓSTICA

¿CUÁNTAS MULTIPLICACIONES PUEDES CONTESTAR EN 2 MINUTOS?

1 × 6 =	6 × 3 =	1 × 4 =
2 × 2 =	2 × 6 =	4 × 3 =
3 × 4 =	2 × 3 =	3 × 6 =
7 × 2 =	4 × 6 =	2 × 4 =
5 × 6 =	5 × 2 =	5 × 4 =
5 × 5 =	6 × 6 =	3 × 2 =
7 × 4 =	1 × 2 =	7 × 6 =

Final Assessment



NOMBRE :
CURSO :
PROGRAMA : MULTIPLICACIONES II

EVALUACIÓN FINAL

¿CUÁNTAS MULTIPLICACIONES PUEDES CONTESTAR EN 2 MINUTOS?

1 × 6 =	6 × 3 =	1 × 4 =
2 × 2 =	2 × 6 =	4 × 3 =
3 × 4 =	2 × 3 =	3 × 6 =
7 × 2 =	4 × 6 =	2 × 4 =
5 × 6 =	5 × 2 =	5 × 4 =
5 × 5 =	6 × 6 =	3 × 2 =
7 × 4 =	1 × 2 =	7 × 6 =

Average Progress and Percentage Improvement

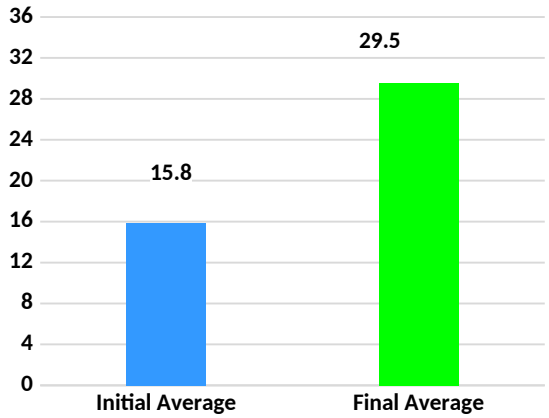


Figure 18: *Initial and Final Averages – Bamboo Multiplication Program Level 2*

The average number of correct responses in the initial assessment was 15.8 out of a total of 36 questions. After three months, the final evaluation showed an increase in this average to 29.5, indicating an average gain of 13.7 correct responses. This progress corresponds to a percentage improvement of 38% for the program.

Categorisation of Outcome Levels

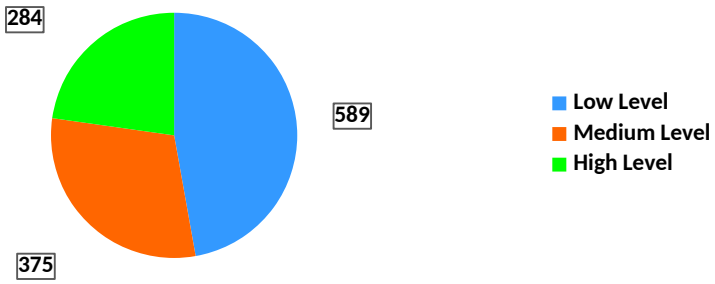


Figure 19: *Initial Student Level – Bamboo Multiplication Program Level 2*

Of the 1,248 students evaluated in the initial stage, it was found that 589 (47%) are at the Low Level, 375 (30%) are at the Medium Level, and 284 (23%) are at the High Level.

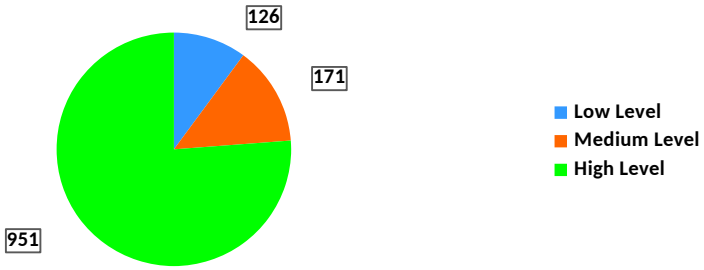


Figure 20: *Final Student Level – Bamboo Multiplication Program Level 2*

In the final assessment, the number of students at the Low Level fell substantially, from 589 (47%) to 126 (10%). In contrast, there was a notable increase in the High Level: students rose from 284 (23%) to 951 (76%).

Analysis of Students' Distribution

Table 16: *Transition Between Levels – Bamboo Multiplication Program Level 2*

Initial Level/Final Level	Low Level	Medium Level	High	Initial Total

			Level	
Low Level	124	135	330	589
Medium Level	2	34	339	375
High Level	0	2	282	284
Final Total	126	171	951	1,248

As shown, of the 589 students who initially classified at the Low Level:

- 124 students (21.1%) remained at the same Level.
- 135 students (22.9%) progressed to the Medium Level.
- 330 students (56%) advanced to the High Level.

In contrast, among the 375 students who began at the Medium Level:

- 2 students (0.5%) regressed to the Low Level.
- 34 students (9.1%) remained at the Medium Level.
- 339 students (90.4%) advanced to the High Level.

Finally, of the 284 students who were at the High Level at the outset:

- 2 students (0.7%) dropped to the Medium Level.
- 282 students (99.3%) maintained their status at the High Level.

Outcome Year 3

Table 17: *Individual Performance in Multiplication Level 2 Program*

No.	Initial Assessment		Final Assessment		(F) - (I)	No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level			Correct Responses (I)	Level	Correct Responses (F)	Level	
1	21	Medium	25	High	4	**61**	15	Medium	24	Medium	9
2	8	Low	36	High	28	**62**	5	Low	5	Low	0
3	5	Low	19	Medium	14	**63**	3	Low	9	Low	6
4	3	Low	3	Low	0	**64**	13	Medium	31	High	18
5	21	Medium	36	High	15	**65**	34	High	35	High	1
6	28	High	36	High	8	**66**	17	Medium	36	High	19
7	32	High	35	High	3	**67**	7	Low	35	High	28
8	36	High	36	High	0	**68**	25	High	23	Medium	-2
9	21	Medium	36	High	15	**69**	25	High	33	High	8
10	15	Medium	28	High	13	**70**	3	Low	7	Low	4
11	14	Medium	36	High	22	**71**	0	Low	0	Low	0
12	19	Medium	31	High	12	**72**	4	Low	17	Medium	13
13	17	Medium	36	High	19	**73**	4	Low	5	Low	1
14	36	High	35	High	-1	**74**	14	Medium	36	High	22
15	36	High	36	High	0	**75**	16	Medium	35	High	19
16	34	High	35	High	1	**76**	1	Low	11	Low	10
17	23	Medium	36	High	13	**77**	11	Low	36	High	25
18	7	Low	21	Medium	14	**78**	1	Low	27	High	26
19	7	Low	34	High	27	**79**	2	Low	6	Low	4
20	2	Low	3	Low	1	**80**	6	Low	12	Low	6

21	11	Low	17	Medium	6
22	28	High	36	High	8
23	6	Low	14	Medium	8
24	22	Medium	32	High	10
25	14	Medium	28	High	14
26	7	Low	21	Medium	14
27	1	Low	5	Low	4
28	11	Low	25	High	14
29	7	Low	9	Low	2
30	19	Medium	35	High	16
31	8	Low	36	High	28
32	6	Low	12	Low	6
33	6	Low	7	Low	1
34	7	Low	7	Low	0
35	4	Low	15	Medium	11
36	9	Low	11	Low	2
37	8	Low	12	Low	4
38	13	Medium	32	High	19
39	36	High	35	High	-1
40	11	Low	35	High	24
41	9	Low	7	Low	-2
42	11	Low	21	Medium	10
43	8	Low	33	High	25
44	0	Low	4	Low	4
45	23	Medium	29	High	6
46	11	Low	12	Low	1
47	5	Low	5	Low	0
48	10	Low	28	High	18
49	1	Low	5	Low	4
50	18	Medium	36	High	18
51	31	High	36	High	5
52	32	High	34	High	2
53	22	Medium	30	High	8
54	2	Low	6	Low	4
55	14	Medium	33	High	19
56	9	Low	20	Medium	11
57	12	Low	9	Low	-3
58	5	Low	14	Medium	9
59	7	Low	34	High	27
60	21	Medium	36	High	15
81	17	Medium	31	High	14
82	23	Medium	36	High	13
83	14	Medium	33	High	19
84	7	Low	36	High	29
85	8	Low	36	High	28
86	25	High	36	High	11
87	6	Low	36	High	30
88	16	Medium	21	Medium	5
89	25	High	36	High	11
90	4	Low	6	Low	2
91	36	High	36	High	0
92	13	Medium	36	High	23
93	6	Low	29	High	23
94	16	Medium	36	High	20
95	5	Low	12	Low	7
96	3	Low	2	Low	-1
97	11	Low	36	High	25
98	12	Low	36	High	24
99	4	Low	36	High	32
100	7	Low	36	High	29
101	3	Low	9	Low	6
102	4	Low	7	Low	3
103	3	Low	17	Medium	14
104	7	Low	36	High	29
105	0	Low	0	Low	0
106	6	Low	36	High	30
107	10	Low	36	High	26
108	1	Low	31	High	30
109	13	Medium	36	High	23
110	6	Low	25	High	19
111	11	Low	36	High	25
112	1	Low	6	Low	5
113	0	Low	6	Low	6
114	4	Low	33	High	29
115	2	Low	5	Low	3
116	6	Low	35	High	29
117	3	Low	6	Low	3
118	12	Low	36	High	24
119	15	Medium	36	High	21
120	2	Low	9	Low	7

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
121	0	Low	2	Low	2
122	5	Low	18	Medium	13
123	6	Low	8	Low	2
124	22	Medium	36	High	14
125	11	Low	36	High	25
126	1	Low	11	Low	10
127	22	Medium	35	High	13
128	5	Low	34	High	29
129	11	Low	34	High	23
130	0	Low	8	Low	8
131	7	Low	14	Medium	7
132	3	Low	36	High	33
133	8	Low	36	High	28
134	11	Low	35	High	24
135	2	Low	2	Low	0
136	7	Low	36	High	29
137	22	Medium	36	High	14
138	36	High	36	High	0
139	36	High	36	High	0
140	4	Low	10	Low	6
141	36	High	35	High	-1
142	23	Medium	34	High	11
143	26	High	35	High	9
144	22	Medium	35	High	13
145	16	Medium	25	High	9
146	20	Medium	35	High	15
147	16	Medium	19	Medium	3
148	32	High	35	High	3
149	16	Medium	22	Medium	6
150	9	Low	9	Low	0
151	30	High	36	High	6
152	36	High	36	High	0
153	12	Low	28	High	16
154	35	High	36	High	1
155	26	High	36	High	10

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
181	8	Low	15	Medium	7
182	22	Medium	36	High	14
183	32	High	34	High	2
184	22	Medium	36	High	14
185	15	Medium	31	High	16
186	21	Medium	36	High	15
187	4	Low	22	Medium	18
188	20	Medium	28	High	8
189	31	High	36	High	5
190	12	Low	20	Medium	8
191	21	Medium	35	High	14
192	28	High	36	High	8
193	25	High	36	High	11
194	26	High	36	High	10
195	16	Medium	15	Medium	-1
196	22	Medium	36	High	14
197	20	Medium	36	High	16
198	20	Medium	36	High	16
199	0	Low	17	Medium	17
200	24	Medium	36	High	12
201	5	Low	6	Low	1
202	8	Low	10	Low	2
203	20	Medium	23	Medium	3
204	21	Medium	36	High	15
205	21	Medium	35	High	14
206	36	High	36	High	0
207	10	Low	36	High	26
208	18	Medium	36	High	18

156	36	High	36	High	0
157	19	Medium	36	High	17
158	23	Medium	36	High	13
159	17	Medium	24	Medium	7
160	11	Low	25	High	14
161	8	Low	31	High	23
162	25	High	35	High	10
163	6	Low	11	Low	5
164	11	Low	23	Medium	12
165	36	High	36	High	0
166	18	Medium	34	High	16
167	10	Low	35	High	25
168	22	Medium	36	High	14
169	20	Medium	36	High	16
170	11	Low	32	High	21
171	12	Low	28	High	16
172	21	Medium	34	High	13
173	30	High	35	High	5
174	7	Low	14	Medium	7
175	27	High	35	High	8
176	8	Low	12	Low	4
177	36	High	36	High	0
178	29	High	33	High	4
179	32	High	31	High	-1
180	21	Medium	26	High	5

Outcome Year 4

Table 18: *Individual Performance in Multiplication Level 2 Program*

No.	Initial Assessment		Final Assessment		(F) - (I)	No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level			Correct Responses (I)	Level	Correct Responses (F)	Level	
1	9	Low	36	High	27	**61**	15	Medium	36	High	21
2	7	Low	21	Medium	14	**62**	0	Low	13	Medium	13
3	2	Low	31	High	29	**63**	5	Low	36	High	31
4	19	Medium	36	High	17	**64**	1	Low	32	High	31
5	5	Low	22	Medium	17	**65**	4	Low	36	High	32
6	36	High	36	High	0	**66**	9	Low	36	High	27

7	18	Medium	23	Medium	5
8	14	Medium	36	High	22
9	1	Low	6	Low	5
10	2	Low	25	High	23
11	7	Low	36	High	29
12	7	Low	36	High	29
13	20	Medium	36	High	16
14	17	Medium	21	Medium	4
15	9	Low	12	Low	3
16	29	High	36	High	7
17	15	Medium	34	High	19
18	16	Medium	36	High	20
19	9	Low	19	Medium	10
20	9	Low	35	High	26
21	10	Low	36	High	26
22	7	Low	24	Medium	17
23	25	High	36	High	11
24	16	Medium	36	High	20
25	9	Low	13	Medium	4
26	17	Medium	36	High	19
27	12	Low	33	High	21
28	2	Low	6	Low	4
29	10	Low	36	High	26
30	13	Medium	36	High	23
31	12	Low	22	Medium	10
32	23	Medium	36	High	13
33	12	Low	36	High	24
34	24	Medium	35	High	11
35	27	High	33	High	6
36	9	Low	31	High	22
37	12	Low	36	High	24
38	12	Low	33	High	21
39	12	Low	36	High	24
40	9	Low	35	High	26
41	36	High	36	High	0
42	11	Low	36	High	25
43	9	Low	36	High	27
44	15	Medium	36	High	21
45	2	Low	34	High	32
46	5	Low	36	High	31
47	15	Medium	36	High	21
48	10	Low	32	High	22
49	7	Low	26	High	19
50	6	Low	36	High	30
51	8	Low	36	High	28
52	34	High	36	High	2

67	6	Low	36	High	30
68	6	Low	36	High	30
69	1	Low	17	Medium	16
70	5	Low	36	High	31
71	0	Low	14	Medium	14
72	12	Low	36	High	24
73	5	Low	32	High	27
74	1	Low	19	Medium	18
75	9	Low	36	High	27
76	2	Low	26	High	24
77	2	Low	6	Low	4
78	0	Low	3	Low	3
79	6	Low	36	High	30
80	2	Low	36	High	34
81	0	Low	2	Low	2
82	5	Low	12	Low	7
83	9	Low	17	Medium	8
84	13	Medium	18	Medium	5
85	15	Medium	34	High	19
86	23	Medium	36	High	13
87	10	Low	35	High	25
88	36	High	36	High	0
89	10	Low	29	High	19
90	9	Low	34	High	25
91	36	High	36	High	0
92	14	Medium	30	High	16
93	36	High	36	High	0
94	18	Medium	36	High	18
95	36	High	36	High	0
96	24	Medium	36	High	12
97	21	Medium	36	High	15
98	9	Low	32	High	23
99	12	Low	36	High	24
100	6	Low	23	Medium	17
101	7	Low	16	Medium	9
102	5	Low	36	High	31
103	23	Medium	35	High	12
104	34	High	36	High	2
105	4	Low	12	Low	8
106	24	Medium	36	High	12
107	24	Medium	36	High	12
108	36	High	36	High	0
109	22	Medium	36	High	14
110	30	High	36	High	6
111	36	High	36	High	0
11	36	High	36	High	0

53	13	Medium	36	High	23
54	6	Low	36	High	30
55	8	Low	35	High	27
56	14	Medium	36	High	22
57	3	Low	35	High	32
58	35	High	36	High	1
59	6	Low	36	High	30
60	10	Low	35	High	25

2					
113	17	Medium	29	High	12
114	36	High	36	High	0
115	31	High	34	High	3
116	19	Medium	30	High	11
117	15	Medium	20	Medium	5
118	32	High	36	High	4
119	33	High	35	High	2
120	33	High	36	High	3

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
121	15	Medium	33	High	18
122	31	High	35	High	4
123	36	High	35	High	-1
124	8	Low	7	Low	-1
125	19	Medium	33	High	14
126	31	High	34	High	3
127	19	Medium	34	High	15
128	36	High	36	High	0
129	36	High	36	High	0
130	35	High	36	High	1
131	29	High	30	High	1
132	32	High	36	High	4
133	21	Medium	29	High	8
134	35	High	36	High	1
135	20	Medium	34	High	14
136	26	High	35	High	9
137	23	Medium	33	High	10
138	10	Low	17	Medium	7
139	13	Medium	21	Medium	8
140	29	High	33	High	4
141	16	Medium	29	High	13
142	17	Medium	31	High	14
143	15	Medium	33	High	18
144	21	Medium	31	High	10

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
181	9	Low	13	Medium	4
182	7	Low	36	High	29
183	11	Low	36	High	25
184	9	Low	36	High	27
185	7	Low	36	High	29
186	11	Low	33	High	22
187	12	Low	36	High	24
188	2	Low	3	Low	1
189	2	Low	2	Low	0
190	1	Low	18	Medium	17
191	1	Low	4	Low	3
192	21	Medium	36	High	15
193	19	Medium	36	High	17
194	6	Low	29	High	23
195	24	Medium	36	High	12
196	3	Low	36	High	33
197	6	Low	36	High	30
198	21	Medium	36	High	15
199	6	Low	14	Medium	8
200	5	Low	2	Low	-3
201	3	Low	9	Low	6
202	1	Low	4	Low	3
203	29	High	35	High	6
204	13	Medium	13	Medium	0

145	11	Low	22	Medium	11
146	17	Medium	28	High	11
147	14	Medium	17	Medium	3
148	13	Medium	18	Medium	5
149	18	Medium	25	High	7
150	25	High	35	High	10
151	14	Medium	36	High	22
152	22	Medium	36	High	14
153	22	Medium	25	High	3
154	2	Low	3	Low	1
155	11	Low	20	Medium	9
156	19	Medium	36	High	17
157	2	Low	3	Low	1
158	27	High	27	High	0
159	11	Low	25	High	14
160	6	Low	36	High	30
161	5	Low	10	Low	5
162	26	High	36	High	10
163	5	Low	28	High	23
164	11	Low	36	High	25
165	6	Low	33	High	27
166	6	Low	35	High	29
167	17	Medium	36	High	19
168	17	Medium	36	High	19
169	16	Medium	36	High	20
170	4	Low	18	Medium	14
171	5	Low	36	High	31
172	0	Low	5	Low	5
173	5	Low	12	Low	7
174	17	Medium	36	High	19
175	8	Low	35	High	27
176	6	Low	35	High	29
177	8	Low	27	High	19
178	13	Medium	35	High	22
179	23	Medium	36	High	13
180	7	Low	29	High	22

205	9	Low	36	High	27
206	5	Low	21	Medium	16
207	4	Low	19	Medium	15
208	0	Low	1	Low	1
209	6	Low	7	Low	1
210	2	Low	18	Medium	16
211	5	Low	27	High	22
212	0	Low	6	Low	6
213	11	Low	35	High	24
214	0	Low	3	Low	3
215	22	Medium	36	High	14
216	8	Low	15	Medium	7
217	13	Medium	36	High	23
218	1	Low	12	Low	11
219	6	Low	18	Medium	12
220	18	Medium	22	Medium	4
221	3	Low	7	Low	4
222	36	High	36	High	0
223	36	High	35	High	-1
224	1	Low	6	Low	5
225	11	Low	36	High	25
226	36	High	36	High	0
227	28	High	35	High	7
228	6	Low	8	Low	2
229	6	Low	6	Low	0
230	6	Low	10	Low	4
231	12	Low	21	Medium	9
232	7	Low	6	Low	-1
233	11	Low	28	High	17
234	36	High	36	High	0
235	19	Medium	32	High	13
236	10	Low	36	High	26
237	12	Low	30	High	18
238	12	Low	36	High	24
239	36	High	36	High	0
240	13	Medium	34	High	21

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
241	17	Medium	36	High	19
242	36	High	35	High	-1
243	36	High	36	High	0
244	13	Medium	34	High	21
245	36	High	36	High	0
246	19	Medium	35	High	16
247	36	High	36	High	0
248	34	High	36	High	2
249	21	Medium	22	Medium	1
250	15	Medium	36	High	21
251	36	High	34	High	-2
252	34	High	36	High	2
253	36	High	35	High	-1
254	36	High	36	High	0
255	11	Low	19	Medium	8
256	36	High	34	High	-2
257	28	High	30	High	2
258	35	High	35	High	0
259	29	High	36	High	7
260	26	High	35	High	9
261	1	Low	36	High	35
262	16	Medium	36	High	20
263	8	Low	36	High	28
264	6	Low	36	High	30
265	6	Low	33	High	27
266	7	Low	36	High	29
267	9	Low	36	High	27
268	4	Low	36	High	32
269	6	Low	36	High	30
270	6	Low	36	High	30
271	2	Low	36	High	34
27	10	Low	36	High	26

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
301	3	Low	36	High	33
302	13	Medium	36	High	23
303	6	Low	36	High	30
304	1	Low	26	High	25
305	11	Low	36	High	25
306	8	Low	35	High	27
307	7	Low	35	High	28
308	15	Medium	31	High	16
309	13	Medium	36	High	23
310	0	Low	36	High	36
311	5	Low	19	Medium	14
312	10	Low	33	High	23
313	0	Low	15	Medium	15
314	4	Low	15	Medium	11
315	5	Low	36	High	31
316	2	Low	29	High	27
317	0	Low	4	Low	4
318	10	Low	36	High	26
319	2	Low	3	Low	1
320	5	Low	35	High	30
321	4	Low	36	High	32
322	8	Low	36	High	28
323	5	Low	36	High	31
324	11	Low	36	High	25
325	8	Low	35	High	27
326	36	High	36	High	0
327	8	Low	32	High	24
328	18	Medium	26	High	8
329	21	Medium	33	High	12
330	24	Medium	36	High	12
331	5	Low	14	Medium	9
332	3	Low	30	High	27

2					
273	1	Low	28	High	27
274	2	Low	36	High	34
275	8	Low	16	Medium	8
276	6	Low	36	High	30
277	1	Low	35	High	34
278	6	Low	36	High	30
279	5	Low	36	High	31
280	3	Low	35	High	32
281	8	Low	35	High	27
282	9	Low	36	High	27
283	9	Low	36	High	27
284	4	Low	36	High	32
285	1	Low	32	High	31
286	4	Low	36	High	32
287	6	Low	36	High	30
288	6	Low	13	Medium	7
289	5	Low	36	High	31
290	8	Low	22	Medium	14
291	8	Low	36	High	28
292	15	Medium	36	High	21
293	6	Low	29	High	23
294	4	Low	24	Medium	20
295	4	Low	36	High	32
296	7	Low	36	High	29
297	6	Low	36	High	30
298	0	Low	21	Medium	21
299	11	Low	36	High	25
300	5	Low	35	High	30

333	6	Low	7	Low	1
334	33	High	36	High	3
335	7	Low	18	Medium	11
336	10	Low	27	High	17
337	6	Low	15	Medium	9
338	36	High	36	High	0
339	13	Medium	11	Low	-2
340	36	High	35	High	-1
341	5	Low	13	Medium	8
342	8	Low	34	High	26
343	9	Low	36	High	27
344	6	Low	30	High	24
345	10	Low	11	Low	1
346	28	High	32	High	4
347	13	Medium	20	Medium	7
348	8	Low	19	Medium	11
349	6	Low	20	Medium	14
350	31	High	36	High	5
351	8	Low	16	Medium	8
352	18	Medium	36	High	18
353	6	Low	17	Medium	11
354	2	Low	17	Medium	15
355	8	Low	36	High	28
356	31	High	35	High	4
357	20	Medium	36	High	16
358	33	High	31	High	-2
359	4	Low	35	High	31
360	17	Medium	36	High	19

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
361	22	Medium	36	High	14
36	34	High	35	High	1

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
421	3	Low	10	Low	7
422	17	Medium	36	High	19

2					
363	4	Low	8	Low	4
364	3	Low	4	Low	1
365	36	High	36	High	0
366	24	Medium	36	High	12
367	36	High	36	High	0
368	36	High	35	High	-1
369	4	Low	25	High	21
370	21	Medium	33	High	12
371	24	Medium	36	High	12
372	20	Medium	17	Medium	-3
373	30	High	32	High	2
374	28	High	36	High	8
375	34	High	36	High	2
376	28	High	36	High	8
377	33	High	36	High	3
378	8	Low	33	High	25
379	24	Medium	35	High	11
380	36	High	36	High	0
381	7	Low	14	Medium	7
382	32	High	36	High	4
383	10	Low	33	High	23
384	9	Low	13	Medium	4
385	26	High	36	High	10
386	32	High	35	High	3
387	35	High	36	High	1
388	20	Medium	36	High	16
389	13	Medium	34	High	21
390	24	Medium	36	High	12
391	23	Medium	36	High	13
392	31	High	36	High	5
393	36	High	36	High	0
394	33	High	35	High	2
395	34	High	36	High	2
396	20	Medium	26	High	6
397	26	High	30	High	4
398	19	Medium	31	High	12

423	7	Low	36	High	29
424	6	Low	16	Medium	10
425	8	Low	36	High	28
426	12	Low	36	High	24
427	11	Low	36	High	25
428	0	Low	9	Low	9
429	24	Medium	32	High	8
430	15	Medium	24	Medium	9
431	6	Low	36	High	30
432	4	Low	13	Medium	9
433	9	Low	36	High	27
434	11	Low	35	High	24
435	7	Low	25	High	18
436	19	Medium	36	High	17
437	8	Low	36	High	28
438	6	Low	35	High	29
439	6	Low	20	Medium	14
440	17	Medium	33	High	16
441	3	Low	36	High	33
442	4	Low	36	High	32
443	18	Medium	35	High	17
444	16	Medium	35	High	19
445	16	Medium	36	High	20
446	2	Low	36	High	34
447	5	Low	36	High	31
448	1	Low	21	Medium	20
449	22	Medium	35	High	13
450	8	Low	35	High	27
451	6	Low	33	High	27
452	3	Low	7	Low	4
453	36	High	34	High	-2
454	36	High	33	High	-3
455	16	Medium	26	High	10
456	4	Low	4	Low	0
457	22	Medium	30	High	8
458	29	High	29	High	0

399	18	Medium	36	High	18
400	23	Medium	36	High	13
401	25	High	36	High	11
402	11	Low	23	Medium	12
403	24	Medium	36	High	12
404	11	Low	22	Medium	11
405	29	High	36	High	7
406	6	Low	32	High	26
407	7	Low	10	Low	3
408	14	Medium	31	High	17
409	24	Medium	36	High	12
410	15	Medium	36	High	21
411	12	Low	26	High	14
412	27	High	36	High	9
413	23	Medium	36	High	13
414	31	High	36	High	5
415	7	Low	36	High	29
416	7	Low	36	High	29
417	5	Low	36	High	31
418	8	Low	36	High	28
419	3	Low	36	High	33
420	14	Medium	36	High	22

459	12	Low	29	High	17
460	30	High	35	High	5
461	34	High	34	High	0
462	26	High	32	High	6
463	5	Low	8	Low	3
464	36	High	36	High	0
465	22	Medium	25	High	3
466	16	Medium	25	High	9
467	0	Low	36	High	36
468	11	Low	35	High	24
469	18	Medium	36	High	18
470	6	Low	36	High	30
471	7	Low	36	High	29
472	3	Low	36	High	33
473	19	Medium	36	High	17
474	17	Medium	35	High	18
475	21	Medium	34	High	13
476	8	Low	35	High	27
477	16	Medium	35	High	19
478	36	High	36	High	0
479	17	Medium	36	High	19
480	11	Low	34	High	23

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
481	4	Low	35	High	31
482	36	High	36	High	0
483	10	Low	33	High	23
484	22	Medium	36	High	14
485	20	Medium	36	High	16
486	11	Low	23	Medium	12
487	26	High	36	High	10
488	8	Low	36	High	28

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
541	29	High	36	High	7
542	26	High	36	High	10
543	23	Medium	36	High	13
544	12	Low	35	High	23
545	21	Medium	36	High	15
546	34	High	36	High	2
547	35	High	36	High	1
548	36	High	36	High	0

489	18	Medium	36	High	18
490	12	Low	36	High	24
491	13	Medium	35	High	22
492	13	Medium	36	High	23
493	36	High	36	High	0
494	31	High	36	High	5
495	12	Low	19	Medium	7
496	13	Medium	36	High	23
497	13	Medium	28	High	15
498	16	Medium	36	High	20
499	20	Medium	36	High	16
500	20	Medium	34	High	14
501	16	Medium	36	High	20
502	7	Low	35	High	28
503	28	High	35	High	7
504	19	Medium	35	High	16
505	11	Low	33	High	22
506	25	High	36	High	11
507	11	Low	18	Medium	7
508	3	Low	36	High	33
509	18	Medium	36	High	18
510	13	Medium	36	High	23
511	23	Medium	36	High	13
512	10	Low	36	High	26
513	15	Medium	36	High	21
514	14	Medium	36	High	22
515	21	Medium	36	High	15
516	18	Medium	36	High	18
517	6	Low	36	High	30
518	12	Low	35	High	23
519	20	Medium	36	High	16
520	23	Medium	36	High	13
521	14	Medium	35	High	21
522	17	Medium	36	High	19
523	20	Medium	36	High	16
524	13	Medium	22	Medium	9
52	25	High	35	High	10

549	18	Medium	36	High	18
550	29	High	36	High	7
551	15	Medium	18	Medium	3
552	22	Medium	36	High	14
553	21	Medium	36	High	15
554	34	High	36	High	2
555	36	High	36	High	0
556	22	Medium	27	High	5
557	36	High	36	High	0
558	14	Medium	36	High	22
559	36	High	36	High	0
560	36	High	36	High	0
561	35	High	36	High	1
562	36	High	36	High	0
563	36	High	34	High	-2
564	36	High	36	High	0
565	36	High	36	High	0
566	13	Medium	36	High	23
567	22	Medium	36	High	14
568	36	High	36	High	0
569	8	Low	36	High	28
570	15	Medium	36	High	21
571	25	High	36	High	11
572	15	Medium	36	High	21
573	14	Medium	32	High	18
574	36	High	36	High	0
575	28	High	36	High	8
576	22	Medium	36	High	14
577	35	High	36	High	1
578	25	High	36	High	11
579	29	High	36	High	7
580	23	Medium	36	High	13
581	15	Medium	17	Medium	2
582	35	High	36	High	1
583	36	High	36	High	0
584	35	High	36	High	1
585	25	High	24	Medium	-1

5					
526	34	High	36	High	2
527	32	High	36	High	4
528	32	High	36	High	4
529	22	Medium	36	High	14
530	14	Medium	36	High	22
531	35	High	36	High	1
532	36	High	36	High	0
533	36	High	36	High	0
534	36	High	36	High	0
535	14	Medium	36	High	22
536	31	High	36	High	5
537	10	Low	27	High	17
538	36	High	36	High	0
539	34	High	36	High	2
540	21	Medium	36	High	15

586	36	High	36	High	0
587	18	Medium	36	High	18
588	20	Medium	36	High	16
589	18	Medium	36	High	18
590	21	Medium	36	High	15
591	32	High	36	High	4
592	6	Low	21	Medium	15
593	5	Low	36	High	31
594	24	Medium	36	High	12
595	6	Low	18	Medium	12
596	17	Medium	36	High	19
597	35	High	36	High	1
598	30	High	36	High	6
599	35	High	36	High	1
600	16	Medium	36	High	20

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
601	13	Medium	36	High	23
602	36	High	35	High	-1
603	12	Low	36	High	24
604	5	Low	35	High	30
605	32	High	36	High	4
606	5	Low	27	High	22
607	23	Medium	34	High	11
608	19	Medium	31	High	12
609	13	Medium	24	Medium	11
610	18	Medium	34	High	16
611	9	Low	9	Low	0
612	9	Low	33	High	24
613	21	Medium	36	High	15
614	32	High	36	High	4
61	4	Low	16	Medium	12

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
661	4	Low	5	Low	1
662	9	Low	10	Low	1
663	15	Medium	35	High	20
664	33	High	36	High	3
665	14	Medium	30	High	16
666	22	Medium	35	High	13
667	20	Medium	34	High	14
668	23	Medium	35	High	12
669	30	High	35	High	5
670	24	Medium	35	High	11
671	14	Medium	25	High	11
672	36	High	36	High	0
673	9	Low	7	Low	-2
674	29	High	34	High	5
675	10	Low	11	Low	1

5					
616	1	Low	17	Medium	16
617	6	Low	13	Medium	7
618	2	Low	21	Medium	19
619	18	Medium	36	High	18
620	14	Medium	36	High	22
621	0	Low	11	Low	11
622	7	Low	34	High	27
623	2	Low	25	High	23
624	11	Low	36	High	25
625	5	Low	24	Medium	19
626	3	Low	36	High	33
627	0	Low	18	Medium	18
628	27	High	25	High	-2
629	34	High	36	High	2
630	36	High	36	High	0
631	35	High	36	High	1
632	28	High	34	High	6
633	9	Low	36	High	27
634	32	High	36	High	4
635	10	Low	14	Medium	4
636	9	Low	24	Medium	15
637	12	Low	13	Medium	1
638	12	Low	35	High	23
639	21	Medium	36	High	15
640	4	Low	12	Low	8
641	36	High	36	High	0
642	36	High	36	High	0
643	36	High	36	High	0
644	12	Low	35	High	23
645	17	Medium	35	High	18
646	34	High	36	High	2
647	6	Low	28	High	22
648	22	Medium	35	High	13
649	9	Low	34	High	25
650	10	Low	35	High	25
651	8	Low	34	High	26

676	29	High	36	High	7
677	18	Medium	18	Medium	0
678	33	High	36	High	3
679	36	High	36	High	0
680	32	High	36	High	4
681	11	Low	18	Medium	7
682	27	High	26	High	-1
683	35	High	36	High	1
684	18	Medium	28	High	10
685	5	Low	23	Medium	18
686	35	High	34	High	-1
687	22	Medium	36	High	14
688	13	Medium	17	Medium	4
689	23	Medium	29	High	6
690	10	Low	26	High	16
691	20	Medium	29	High	9
692	13	Medium	25	High	12
693	14	Medium	15	Medium	1
694	36	High	36	High	0
695	27	High	33	High	6
696	26	High	30	High	4
697	23	Medium	29	High	6
698	24	Medium	36	High	12
699	26	High	36	High	10
700	30	High	27	High	-3
701	21	Medium	25	High	4
702	29	High	35	High	6
703	13	Medium	11	Low	-2
704	4	Low	8	Low	4
705	0	Low	23	Medium	23
706	6	Low	32	High	26
707	0	Low	14	Medium	14
708	7	Low	19	Medium	12
709	6	Low	34	High	28
710	8	Low	36	High	28
711	8	Low	36	High	28

652	33	High	36	High	3
653	5	Low	18	Medium	13
654	2	Low	34	High	32
655	12	Low	36	High	24
656	23	Medium	32	High	9
657	31	High	36	High	5
658	20	Medium	36	High	16
659	13	Medium	23	Medium	10
660	18	Medium	32	High	14

712	7	Low	12	Low	5
713	1	Low	27	High	26
714	0	Low	18	Medium	18
715	0	Low	31	High	31
716	9	Low	32	High	23
717	11	Low	36	High	25
718	0	Low	10	Low	10
719	5	Low	22	Medium	17
720	1	Low	5	Low	4

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
721	5	Low	26	High	21
722	17	Medium	36	High	19
723	0	Low	7	Low	7
724	7	Low	36	High	29
725	8	Low	36	High	28
726	5	Low	30	High	25
727	5	Low	35	High	30
728	7	Low	23	Medium	16
729	3	Low	3	Low	0
730	6	Low	35	High	29
731	10	Low	36	High	26
732	5	Low	35	High	30
733	2	Low	24	Medium	22
734	13	Medium	35	High	22
735	16	Medium	36	High	20
736	14	Medium	36	High	22
737	17	Medium	36	High	19
738	19	Medium	35	High	16
739	21	Medium	36	High	15
740	4	Low	16	Medium	12
741	18	Medium	36	High	18

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
786	1	Low	27	High	26
787	3	Low	36	High	33
788	2	Low	5	Low	3
789	36	High	36	High	0
790	36	High	36	High	0
791	33	High	33	High	0
792	25	High	35	High	10
793	36	High	36	High	0
794	20	Medium	36	High	16
795	16	Medium	36	High	20
796	25	High	36	High	11
797	35	High	34	High	-1
798	35	High	36	High	1
799	36	High	36	High	0
800	36	High	35	High	-1
801	36	High	35	High	-1
802	34	High	33	High	-1
803	36	High	36	High	0
804	36	High	36	High	0
805	34	High	33	High	-1
806	36	High	35	High	-1

742	3	Low	26	High	23
743	16	Medium	36	High	20
744	11	Low	36	High	25
745	23	Medium	36	High	13
746	21	Medium	36	High	15
747	36	High	36	High	0
748	14	Medium	36	High	22
749	2	Low	30	High	28
750	8	Low	30	High	22
751	14	Medium	36	High	22
752	1	Low	36	High	35
753	13	Medium	27	High	14
754	23	Medium	34	High	11
755	7	Low	36	High	29
756	5	Low	36	High	31
757	10	Low	35	High	25
758	9	Low	36	High	27
759	4	Low	22	Medium	18
760	15	Medium	31	High	16
761	9	Low	36	High	27
762	8	Low	26	High	18
763	10	Low	36	High	26
764	27	High	36	High	9
765	12	Low	36	High	24
766	12	Low	36	High	24
767	13	Medium	36	High	23
768	5	Low	16	Medium	11
769	18	Medium	36	High	18
770	15	Medium	27	High	12
771	8	Low	36	High	28
772	10	Low	36	High	26
773	20	Medium	36	High	16
774	1	Low	21	Medium	20
775	9	Low	36	High	27
776	8	Low	34	High	26
777	14	Medium	36	High	22
77	18	Medium	36	High	18

807	32	High	35	High	3
808	32	High	35	High	3
809	26	High	35	High	9
810	35	High	35	High	0
811	36	High	36	High	0
812	8	Low	32	High	24
813	36	High	36	High	0
814	34	High	34	High	0
815	35	High	36	High	1
816	35	High	35	High	0
817	34	High	36	High	2
818	36	High	36	High	0
819	16	Medium	34	High	18
820	36	High	35	High	-1
821	35	High	36	High	1
822	16	Medium	34	High	18
823	10	Low	18	Medium	8
824	20	Medium	32	High	12
825	16	Medium	23	Medium	7
826	22	Medium	25	High	3
827	29	High	36	High	7
828	35	High	36	High	1
829	11	Low	22	Medium	11
830	30	High	36	High	6
831	7	Low	4	Low	-3
832	10	Low	11	Low	1
833	22	Medium	36	High	14
834	19	Medium	35	High	16
835	21	Medium	31	High	10
836	19	Medium	36	High	17
837	2	Low	3	Low	1
838	36	High	36	High	0
839	27	High	35	High	8
840	30	High	36	High	6
841	22	Medium	35	High	13
842	6	Low	5	Low	-1
843	28	High	36	High	8

8					
779	28	High	36	High	8
780	13	Medium	36	High	23
781	17	Medium	36	High	19
782	11	Low	36	High	25
783	14	Medium	36	High	22
784	3	Low	30	High	27
785	5	Low	34	High	29

844	35	High	33	High	-2
845	33	High	34	High	1
846	17	Medium	36	High	19
847	22	Medium	36	High	14
848	25	High	30	High	5
849	35	High	36	High	1

Outcome Year 5

Table 19: *Individual Performance in Multiplication Level 2 Program*

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
1	13	Medium	36	High	23
2	19	Medium	36	High	17
3	9	Low	36	High	27
4	6	Low	30	High	24
5	7	Low	36	High	29
6	2	Low	31	High	29
7	24	Medium	36	High	12
8	21	Medium	29	High	8
9	5	Low	13	Medium	8
10	2	Low	11	Low	9
11	2	Low	11	Low	9
12	5	Low	17	Medium	12
13	10	Low	13	Medium	3
14	18	Medium	25	High	7
15	5	Low	24	Medium	19
16	23	Medium	35	High	12
17	0	Low	14	Medium	14
18	10	Low	35	High	25
19	0	Low	10	Low	10
20	7	Low	36	High	29
21	8	Low	35	High	27
22	18	Medium	34	High	16
23	2	Low	9	Low	7
24	13	Medium	34	High	21
25	16	Medium	36	High	20
26	22	Medium	36	High	14
27	29	High	35	High	6
28	8	Low	8	Low	0
29	15	Medium	28	High	13
30	8	Low	23	Medium	15

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
61	13	Medium	36	High	23
62	6	Low	10	Low	4
63	4	Low	36	High	32
64	16	Medium	35	High	19
65	11	Low	17	Medium	6
66	6	Low	36	High	30
67	5	Low	13	Medium	8
68	5	Low	36	High	31
69	8	Low	35	High	27
70	1	Low	13	Medium	12
71	1	Low	19	Medium	18
72	9	Low	35	High	26
73	5	Low	32	High	27
74	13	Medium	35	High	22
75	10	Low	16	Medium	6
76	36	High	34	High	-2
77	11	Low	28	High	17
78	11	Low	27	High	16
79	34	High	36	High	2
80	7	Low	10	Low	3
81	36	High	36	High	0
82	11	Low	33	High	22
83	1	Low	14	Medium	13
84	10	Low	12	Low	2
85	36	High	35	High	-1
86	7	Low	19	Medium	12
87	11	Low	28	High	17
88	19	Medium	36	High	17
89	1	Low	8	Low	7
90	25	High	33	High	8

31	30	High	36	High	6
32	10	Low	36	High	26
33	18	Medium	19	Medium	1
34	22	Medium	36	High	14
35	5	Low	15	Medium	10
36	8	Low	11	Low	3
37	6	Low	23	Medium	17
38	18	Medium	36	High	18
39	6	Low	20	Medium	14
40	13	Medium	33	High	20
41	19	Medium	36	High	17
42	2	Low	7	Low	5
43	6	Low	17	Medium	11
44	7	Low	34	High	27
45	20	Medium	35	High	15
46	12	Low	22	Medium	10
47	19	Medium	35	High	16
48	18	Medium	36	High	18
49	2	Low	6	Low	4
50	4	Low	30	High	26
51	11	Low	27	High	16
52	16	Medium	36	High	20
53	4	Low	4	Low	0
54	15	Medium	36	High	21
55	12	Low	16	Medium	4
56	15	Medium	36	High	21
57	6	Low	34	High	28
58	4	Low	36	High	32
59	3	Low	32	High	29
60	6	Low	11	Low	5

91	5	Low	29	High	24
92	26	High	33	High	7
93	36	High	36	High	0
94	36	High	36	High	0
95	6	Low	36	High	30
96	36	High	36	High	0
97	36	High	36	High	0
98	18	Medium	28	High	10
99	32	High	36	High	4
100	24	Medium	34	High	10
101	33	High	36	High	3
102	12	Low	29	High	17
103	33	High	35	High	2
104	22	Medium	33	High	11
105	9	Low	13	Medium	4
106	13	Medium	20	Medium	7
107	15	Medium	36	High	21
108	11	Low	11	Low	0
109	10	Low	27	High	17
110	13	Medium	35	High	22
111	15	Medium	32	High	17
112	18	Medium	35	High	17
113	11	Low	19	Medium	8
114	22	Medium	34	High	12
115	8	Low	27	High	19

Outcome Year 6

Table 20: *Individual Performance in Multiplication Level 2 Program*

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
1	21	Medium	36	High	15
2	22	Medium	35	High	13
3	13	Medium	33	High	20
4	5	Low	24	Medium	19
5	8	Low	35	High	27

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
61	11	Low	29	High	18
62	22	Medium	36	High	14
63	34	High	36	High	2
64	13	Medium	36	High	23
65	14	Medium	36	High	22

6	15	Medium	36	High	21
7	22	Medium	36	High	14
8	25	High	36	High	11
9	3	Low	24	Medium	21
10	36	High	36	High	0
11	21	Medium	33	High	12
12	32	High	36	High	4
13	7	Low	36	High	29
14	5	Low	34	High	29
15	5	Low	36	High	31
16	29	High	36	High	7
17	18	Medium	32	High	14
18	5	Low	19	Medium	14
19	35	High	36	High	1
20	36	High	36	High	0
21	15	Medium	35	High	20
22	21	Medium	36	High	15
23	15	Medium	36	High	21
24	36	High	36	High	0
25	11	Low	34	High	23
26	6	Low	34	High	28
27	3	Low	12	Low	9
28	0	Low	36	High	36
29	2	Low	13	Medium	11
30	17	Medium	34	High	17
31	5	Low	35	High	30
32	20	Medium	34	High	14
33	13	Medium	36	High	23
34	15	Medium	36	High	21
35	20	Medium	36	High	16
36	9	Low	36	High	27
37	13	Medium	36	High	23
38	8	Low	33	High	25
39	4	Low	6	Low	2
40	36	High	36	High	0
41	7	Low	36	High	29
42	3	Low	19	Medium	16
43	7	Low	21	Medium	14
44	23	Medium	36	High	13
45	6	Low	35	High	29
46	25	High	35	High	10
47	9	Low	36	High	27
48	12	Low	36	High	24
49	13	Medium	17	Medium	4
50	7	Low	28	High	21
51	18	Medium	23	Medium	5
52	36	High	36	High	0
53	18	Medium	35	High	17
54	18	Medium	36	High	18
55	12	Low	18	Medium	6
56	22	Medium	35	High	13
57	7	Low	35	High	28
58	10	Low	23	Medium	13
59	8	Low	36	High	28
60	6	Low	34	High	28

66	21	Medium	33	High	12
67	11	Low	17	Medium	6
68	12	Low	18	Medium	6
69	10	Low	15	Medium	5
70	22	Medium	36	High	14
71	15	Medium	36	High	21
72	6	Low	19	Medium	13
73	9	Low	22	Medium	13
74	10	Low	30	High	20
75	20	Medium	36	High	16
76	18	Medium	20	Medium	2

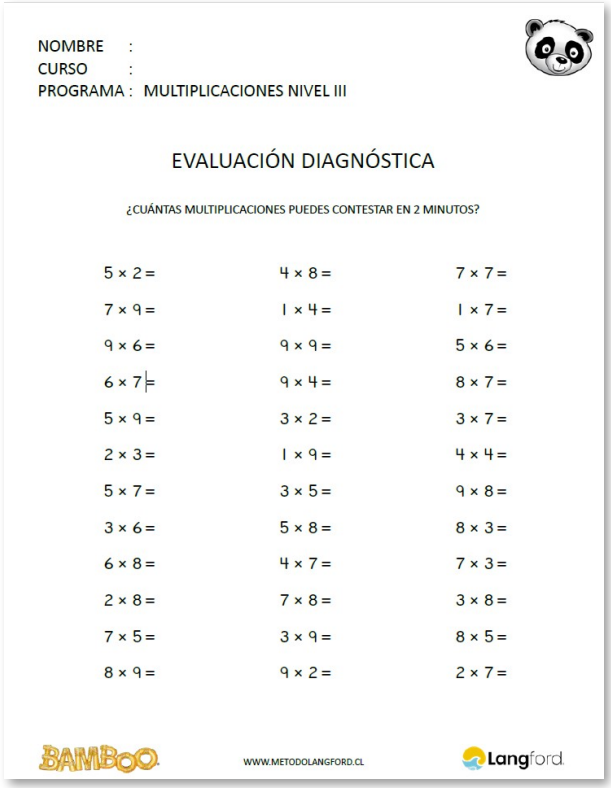
Appendix F: Results of Bamboo Multiplication Level 3 Program

- **Year 3, 4, 5 and 6**
- **Students Assessed: 1,369**

Assessment Instrument

Students were assessed before the program began and again roughly three months later, using two matched 36-question tests with a strict 2-minute time limit.

Initial Assessment



NOMBRE :
CURSO :
PROGRAMA : MULTIPLICACIONES NIVEL III

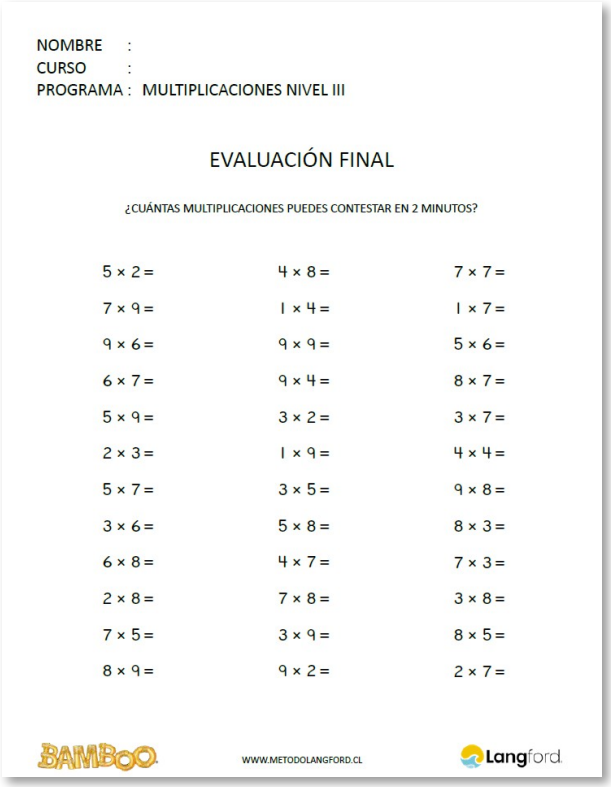
EVALUACIÓN DIAGNÓSTICA

¿CUÁNTAS MULTIPLICACIONES PUEDES CONTESTAR EN 2 MINUTOS?

5 × 2 =	4 × 8 =	7 × 7 =
7 × 9 =	1 × 4 =	1 × 7 =
9 × 6 =	9 × 9 =	5 × 6 =
6 × 7 =	9 × 4 =	8 × 7 =
5 × 9 =	3 × 2 =	3 × 7 =
2 × 3 =	1 × 9 =	4 × 4 =
5 × 7 =	3 × 5 =	9 × 8 =
3 × 6 =	5 × 8 =	8 × 3 =
6 × 8 =	4 × 7 =	7 × 3 =
2 × 8 =	7 × 8 =	3 × 8 =
7 × 5 =	3 × 9 =	8 × 5 =
8 × 9 =	9 × 2 =	2 × 7 =

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Final Assessment



NOMBRE :
CURSO :
PROGRAMA : MULTIPLICACIONES NIVEL III

EVALUACIÓN FINAL

¿CUÁNTAS MULTIPLICACIONES PUEDES CONTESTAR EN 2 MINUTOS?

5 × 2 =	4 × 8 =	7 × 7 =
7 × 9 =	1 × 4 =	1 × 7 =
9 × 6 =	9 × 9 =	5 × 6 =
6 × 7 =	9 × 4 =	8 × 7 =
5 × 9 =	3 × 2 =	3 × 7 =
2 × 3 =	1 × 9 =	4 × 4 =
5 × 7 =	3 × 5 =	9 × 8 =
3 × 6 =	5 × 8 =	8 × 3 =
6 × 8 =	4 × 7 =	7 × 3 =
2 × 8 =	7 × 8 =	3 × 8 =
7 × 5 =	3 × 9 =	8 × 5 =
8 × 9 =	9 × 2 =	2 × 7 =

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Figure 21: *Initial and Final Assessment*

Average Progress and Percentage Improvement

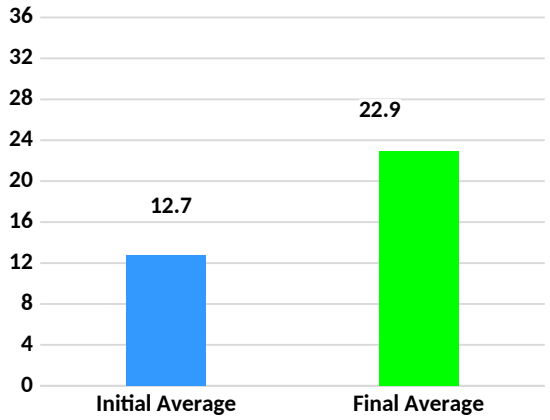


Figure 22: *Initial and Final Averages – Bamboo Multiplication Program Level 3*

The average number of correct responses in the initial assessment was 12.7 out of a total of 36 questions. After three months, the final evaluation showed an increase in this average to 22.9, indicating an average gain of 10.2 correct responses. This progress corresponds to a percentage improvement of 28.2% for the program.

Categorisation of Outcome Levels

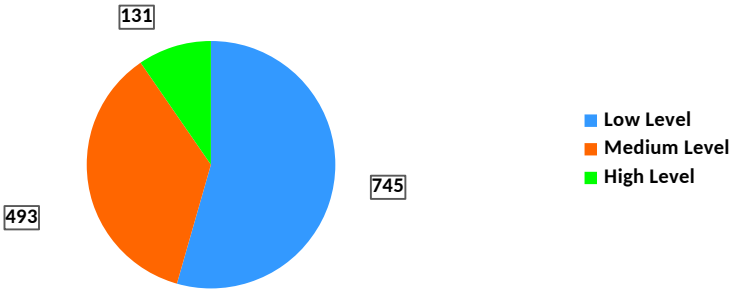


Figure 23: *Initial Student Level – Bamboo Multiplication Program Level 3*

Of the 1,369 students evaluated in the initial stage, it was found that 745 (54%) are at the Low Level, 493 (36%) are at the Medium Level, and 131 (10%) are at the High Level.

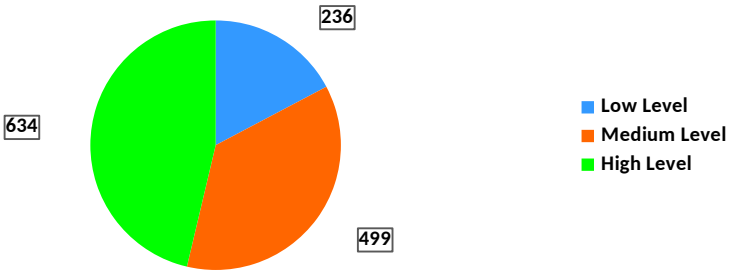


Figure 24: *Final Student Level – Bamboo Multiplication Program Level 3*

In the final assessment, the number of students at the Low Level fell substantially, from 745 (54%) to 236 (17%). In contrast, there was a notable increase in the High Level: students rose from 131 (10%) to 634 (46%).

Analysis of Students' Distribution

Table 21: *Transition Between Levels – Bamboo Multiplication Program Level 3*

Initial Level/Final Level	Low Level	Medium Level	High Level	Initial Total
Low Level	233	316	196	745
Medium Level	3	180	310	493
High Level	0	3	128	131
Final Total	236	499	634	1,369

As shown, of the 745 students who initially classified at the Low Level:

- 233 students (31.3%) remained at the same Level.
- 316 students (42.4%) progressed to the Medium Level.
- 196 students (26.3%) advanced to the High Level.

In contrast, among the 493 students who began at the Medium Level:

- 3 students (0.6%) regressed to the Low Level.
- 180 students (36.5%) remained at the Medium Level.
- 310 students (62.9%) advanced to the High Level.

Finally, of the 131 students who were at the High Level at the outset:

- 3 students (2.3%) dropped to the Medium Level.
- 128 students (97.7%) maintained their status at the High Level.

Outcome Year 3

Table 22: *Individual Performance in Bamboo Multiplication Level 3 Program*

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
1	1	Low	4	Low	3
2	13	Medium	19	Medium	6
3	6	Low	6	Low	0
4	15	Medium	18	Medium	3
5	2	Low	1	Low	-1
6	15	Medium	14	Medium	-1
7	1	Low	7	Low	6
8	14	Medium	20	Medium	6
9	17	Medium	20	Medium	3
10	16	Medium	18	Medium	2
11	10	Low	13	Medium	3
12	11	Low	20	Medium	9
13	17	Medium	26	High	9
14	4	Low	8	Low	4
15	25	High	35	High	10
16	11	Low	13	Medium	2
17	26	High	28	High	2
18	12	Low	17	Medium	5
19	3	Low	5	Low	2
20	3	Low	3	Low	0
21	2	Low	1	Low	-1
22	9	Low	13	Medium	4
23	6	Low	20	Medium	14
24	11	Low	11	Low	0
25	1	Low	0	Low	-1
26	1	Low	3	Low	2
27	7	Low	7	Low	0
28	18	Medium	19	Medium	1
29	2	Low	1	Low	-1
30	19	Medium	19	Medium	0
31	13	Medium	18	Medium	5
32	4	Low	14	Medium	10
33	13	Medium	28	High	15
34	10	Low	15	Medium	5
35	2	Low	5	Low	3
36	2	Low	15	Medium	13
37	9	Low	10	Low	1
38	1	Low	6	Low	5
39	3	Low	3	Low	0
40	1	Low	4	Low	3
41	20	Medium	18	Medium	-2
42	5	Low	7	Low	2
43	7	Low	6	Low	-1
44	18	Medium	23	Medium	5
45	15	Medium	22	Medium	7
46	2	Low	12	Low	10
47	0	Low	2	Low	2
48	14	Medium	19	Medium	5
49	24	Medium	33	High	9
50	13	Medium	20	Medium	7
51	8	Low	26	High	18
52	20	Medium	23	Medium	3
53	7	Low	19	Medium	12
54	1	Low	2	Low	1
55	1	Low	3	Low	2
56	12	Low	16	Medium	4
57	16	Medium	20	Medium	4
58	5	Low	2	Low	-3
59	9	Low	20	Medium	11
60	19	Medium	17	Medium	-2

Outcome Year 4

Table 23: *Individual Performance in Bamboo Multiplication Level 3 Program*

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
1	12	Low	12	Low	0
2	11	Low	11	Low	0
3	6	Low	14	Medium	8
4	6	Low	16	Medium	10
5	19	Medium	19	Medium	0
6	11	Low	23	Medium	12
7	16	Medium	25	High	9
8	14	Medium	35	High	21
9	11	Low	29	High	18
10	5	Low	12	Low	7
11	10	Low	16	Medium	6
12	5	Low	7	Low	2
13	2	Low	7	Low	5
14	10	Low	33	High	23
15	18	Medium	21	Medium	3
16	5	Low	14	Medium	9
17	10	Low	26	High	16
18	6	Low	13	Medium	7
19	13	Medium	29	High	16
20	12	Low	33	High	21
21	8	Low	20	Medium	12
22	7	Low	12	Low	5
23	30	High	30	High	0
24	14	Medium	17	Medium	3
25	8	Low	26	High	18
26	10	Low	20	Medium	10
27	17	Medium	36	High	19
28	15	Medium	18	Medium	3
29	4	Low	14	Medium	10
30	11	Low	24	Medium	13
31	9	Low	15	Medium	6
32	21	Medium	21	Medium	0
33	17	Medium	21	Medium	4
34	6	Low	6	Low	0
35	5	Low	4	Low	-1
36	4	Low	14	Medium	10
37	1	Low	10	Low	9
38	6	Low	6	Low	0
39	2	Low	7	Low	5
40	11	Low	10	Low	-1
41	10	Low	29	High	19
42	7	Low	17	Medium	10
61	3	Low	4	Low	1
62	6	Low	13	Medium	7
63	11	Low	13	Medium	2
64	6	Low	7	Low	1
65	3	Low	5	Low	2
66	11	Low	24	Medium	13
67	7	Low	9	Low	2
68	9	Low	14	Medium	5
69	3	Low	13	Medium	10
70	13	Medium	14	Medium	1
71	36	High	36	High	0
72	5	Low	8	Low	3
73	12	Low	9	Low	-3
74	7	Low	10	Low	3
75	15	Medium	13	Medium	-2
76	10	Low	18	Medium	8
77	5	Low	11	Low	6
78	11	Low	10	Low	-1
79	1	Low	8	Low	7
80	0	Low	12	Low	12
81	20	Medium	27	High	7
82	15	Medium	33	High	18
83	8	Low	20	Medium	12
84	2	Low	7	Low	5
85	36	High	36	High	0
86	20	Medium	22	Medium	2
87	21	Medium	25	High	4
88	11	Low	9	Low	-2
89	25	High	31	High	6
90	19	Medium	26	High	7
91	7	Low	12	Low	5
92	8	Low	24	Medium	16
93	15	Medium	32	High	17
94	4	Low	7	Low	3
95	3	Low	15	Medium	12
96	7	Low	15	Medium	8
97	3	Low	22	Medium	19
98	13	Medium	21	Medium	8
99	10	Low	27	High	17
100	5	Low	10	Low	5
101	1	Low	12	Low	11
10	6	Low	8	Low	2

				m	
43	5	Low	18	Medium	13
44	8	Low	10	Low	2
45	19	Medium	20	Medium	1
46	8	Low	16	Medium	8
47	21	Medium	34	High	13
48	7	Low	12	Low	5
49	11	Low	10	Low	-1
50	5	Low	30	High	25
51	8	Low	26	High	18
52	8	Low	17	Medium	9
53	22	Medium	26	High	4
54	18	Medium	24	Medium	6
55	6	Low	8	Low	2
56	30	High	36	High	6
57	18	Medium	15	Medium	-3
58	29	High	30	High	1
59	7	Low	7	Low	0
60	11	Low	13	Medium	2

102					
103	0	Low	0	Low	0
104	9	Low	21	Medium	12
105	6	Low	4	Low	-2
106	3	Low	20	Medium	17
107	5	Low	23	Medium	18
108	5	Low	12	Low	7
109	8	Low	11	Low	3
110	2	Low	3	Low	1
111	6	Low	13	Medium	7
112	2	Low	7	Low	5
113	8	Low	22	Medium	14
114	4	Low	4	Low	0
115	1	Low	19	Medium	18
116	7	Low	21	Medium	14
117	5	Low	19	Medium	14
118	9	Low	24	Medium	15
119	9	Low	11	Low	2
120	9	Low	27	High	18

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
121	5	Low	9	Low	4
122	3	Low	8	Low	5
123	0	Low	2	Low	2
124	0	Low	6	Low	6
125	26	High	28	High	2
126	15	Medium	26	High	11
127	11	Low	25	High	14
128	14	Medium	20	Medium	6
129	14	Medium	36	High	22
130	24	Medium	36	High	12
131	11	Low	34	High	23
132	20	Medium	36	High	16
133	13	Medium	22	Medium	9
134	11	Low	21	Medium	10

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
181	12	Low	17	Medium	5
182	12	Low	23	Medium	11
183	31	High	36	High	5
184	13	Medium	28	High	15
185	18	Medium	33	High	15
186	28	High	36	High	8
187	13	Medium	28	High	15
188	21	Medium	27	High	6
189	9	Low	31	High	22
190	22	Medium	27	High	5
191	6	Low	18	Medium	12
192	8	Low	14	Medium	6
193	25	High	29	High	4
194	8	Low	7	Low	-1

135	19	Medium	36	High	17
136	15	Medium	36	High	21
137	16	Medium	27	High	11
138	15	Medium	30	High	15
139	24	Medium	36	High	12
140	22	Medium	21	Medium	-1
141	16	Medium	35	High	19
142	25	High	35	High	10
143	10	Low	31	High	21
144	16	Medium	26	High	10
145	22	Medium	34	High	12
146	14	Medium	31	High	17
147	16	Medium	20	Medium	4
148	24	Medium	34	High	10
149	11	Low	27	High	16
150	19	Medium	30	High	11
151	19	Medium	29	High	10
152	21	Medium	27	High	6
153	14	Medium	17	Medium	3
154	17	Medium	35	High	18
155	14	Medium	24	Medium	10
156	35	High	36	High	1
157	35	High	36	High	1
158	6	Low	21	Medium	15
159	13	Medium	25	High	12
160	9	Low	27	High	18
161	24	Medium	36	High	12
162	19	Medium	29	High	10
163	35	High	35	High	0
164	7	Low	36	High	29
165	24	Medium	32	High	8
166	14	Medium	24	Medium	10
167	5	Low	7	Low	2
168	12	Low	33	High	21
169	18	Medium	20	Medium	2
170	33	High	35	High	2
171	21	Medium	34	High	13

195	6	Low	18	Medium	12
196	27	High	28	High	1
197	23	Medium	31	High	8
198	9	Low	21	Medium	12
199	17	Medium	15	Medium	-2
200	24	Medium	27	High	3
201	28	High	26	High	-2
202	12	Low	16	Medium	4
203	25	High	34	High	9
204	11	Low	15	Medium	4
205	14	Medium	14	Medium	0
206	24	Medium	25	High	1
207	27	High	31	High	4
208	28	High	31	High	3
209	36	High	33	High	-3
210	26	High	36	High	10
211	16	Medium	19	Medium	3
212	11	Low	18	Medium	7
213	23	Medium	36	High	13
214	18	Medium	26	High	8
215	6	Low	9	Low	3
216	16	Medium	18	Medium	2
217	7	Low	14	Medium	7
218	9	Low	15	Medium	6
219	9	Low	22	Medium	13
220	10	Low	28	High	18
221	1	Low	4	Low	3
222	22	Medium	23	Medium	1
223	0	Low	7	Low	7
224	19	Medium	22	Medium	3
225	11	Low	31	High	20
226	3	Low	12	Low	9
227	17	Medium	31	High	14
228	23	Medium	28	High	5
229	18	Medium	36	High	18
230	15	Medium	23	Medium	8
231	21	Medium	31	High	10

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172	26	High	31	High	5
173	19	Medium	19	Medium	0
174	8	Low	32	High	24
175	23	Medium	28	High	5
176	13	Medium	18	Medium	5
177	20	Medium	34	High	14
178	22	Medium	27	High	5
179	14	Medium	13	Medium	-1
180	25	High	33	High	8

232	22	Medium	36	High	14
233	24	Medium	34	High	10
234	8	Low	31	High	23
235	6	Low	36	High	30
236	7	Low	16	Medium	9
237	9	Low	36	High	27
238	7	Low	33	High	26
239	7	Low	11	Low	4
240	27	High	36	High	9

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
241	7	Low	19	Medium	12
242	14	Medium	36	High	22
243	1	Low	12	Low	11
244	14	Medium	36	High	22
245	10	Low	21	Medium	11
246	12	Low	36	High	24
247	14	Medium	36	High	22
248	17	Medium	36	High	19
249	4	Low	27	High	23
250	12	Low	34	High	22
251	6	Low	14	Medium	8
252	2	Low	7	Low	5
253	19	Medium	36	High	17
254	13	Medium	35	High	22
255	5	Low	14	Medium	9
256	15	Medium	32	High	17
257	9	Low	36	High	27
258	2	Low	14	Medium	12
259	20	Medium	36	High	16
260	1	Low	7	Low	6
261	15	Medium	32	High	17

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
301	10	Low	26	High	16
302	0	Low	10	Low	10
303	13	Medium	34	High	21
304	4	Low	9	Low	5
305	7	Low	32	High	25
306	1	Low	23	Medium	22
307	3	Low	13	Medium	10
308	3	Low	11	Low	8
309	13	Medium	21	Medium	8
310	11	Low	35	High	24
311	18	Medium	36	High	18
312	3	Low	29	High	26
313	0	Low	13	Medium	13
314	10	Low	23	Medium	13
315	12	Low	28	High	16
316	4	Low	17	Medium	13
317	2	Low	7	Low	5
318	9	Low	11	Low	2
319	23	Medium	31	High	8
320	5	Low	31	High	26
321	11	Low	30	High	19

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262	19	Medium	28	High	9
263	15	Medium	27	High	12
264	11	Low	28	High	17
265	10	Low	21	Medium	11
266	10	Low	14	Medium	4
267	21	Medium	26	High	5
268	22	Medium	36	High	14
269	2	Low	10	Low	8
270	26	High	36	High	10
271	11	Low	30	High	19
272	21	Medium	35	High	14
273	2	Low	17	Medium	15
274	11	Low	23	Medium	12
275	23	Medium	36	High	13
276	7	Low	18	Medium	11
277	12	Low	29	High	17
278	6	Low	19	Medium	13
279	24	Medium	32	High	8
280	11	Low	31	High	20
281	5	Low	18	Medium	13
282	20	Medium	33	High	13
283	20	Medium	36	High	16
284	10	Low	24	Medium	14
285	9	Low	14	Medium	5
286	27	High	35	High	8
287	17	Medium	36	High	19
288	6	Low	22	Medium	16
289	18	Medium	36	High	18
290	17	Medium	36	High	19
291	12	Low	29	High	17
292	3	Low	16	Medium	13
293	10	Low	33	High	23
294	19	Medium	36	High	17
295	0	Low	14	Medium	14
296	0	Low	7	Low	7
297	22	Medium	36	High	14

322	3	Low	6	Low	3
323	4	Low	24	Medium	20
324	20	Medium	36	High	16
325	20	Medium	35	High	15
326	16	Medium	31	High	15
327	10	Low	33	High	23
328	8	Low	36	High	28
329	12	Low	36	High	24
330	36	High	36	High	0
331	17	Medium	36	High	19
332	17	Medium	35	High	18
333	13	Medium	36	High	23
334	13	Medium	32	High	19
335	13	Medium	34	High	21
336	18	Medium	36	High	18
337	16	Medium	32	High	16
338	19	Medium	34	High	15
339	9	Low	25	High	16
340	16	Medium	35	High	19
341	10	Low	33	High	23
342	12	Low	35	High	23
343	7	Low	22	Medium	15
344	18	Medium	36	High	18
345	9	Low	30	High	21
346	19	Medium	32	High	13
347	14	Medium	34	High	20
348	10	Low	16	Medium	6
349	15	Medium	21	Medium	6
350	5	Low	26	High	21
351	17	Medium	36	High	19
352	3	Low	20	Medium	17
353	3	Low	34	High	31
354	2	Low	33	High	31
355	15	Medium	34	High	19
356	20	Medium	25	High	5
357	12	Low	23	Medium	11

298	16	Medium	35	High	19
299	11	Low	35	High	24
300	5	Low	10	Low	5
358	13	Medium	22	Medium	9
359	13	Medium	36	High	23
360	22	Medium	24	Medium	2

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
361	4	Low	4	Low	0
362	23	Medium	28	High	5
363	7	Low	17	Medium	10
364	10	Low	8	Low	-2
365	8	Low	20	Medium	12
366	6	Low	12	Low	6
367	24	Medium	33	High	9
368	25	High	28	High	3
369	4	Low	12	Low	8
370	10	Low	25	High	15
371	16	Medium	20	Medium	4
372	12	Low	18	Medium	6
373	5	Low	16	Medium	11
374	13	Medium	31	High	18
375	28	High	34	High	6
376	9	Low	22	Medium	13
377	22	Medium	31	High	9
378	18	Medium	24	Medium	6
379	14	Medium	29	High	15
380	9	Low	12	Low	3
381	16	Medium	17	Medium	1
382	25	High	34	High	9
383	22	Medium	29	High	7
384	14	Medium	29	High	15
385	16	Medium	32	High	16
386	27	High	31	High	4
387	9	Low	11	Low	2

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
421	5	Low	29	High	24
422	1	Low	36	High	35
423	4	Low	32	High	28
424	10	Low	34	High	24
425	3	Low	31	High	28
426	3	Low	9	Low	6
427	5	Low	36	High	31
428	3	Low	34	High	31
429	3	Low	28	High	25
430	0	Low	9	Low	9
431	1	Low	14	Medium	13
432	7	Low	36	High	29
433	3	Low	19	Medium	16
434	8	Low	36	High	28
435	3	Low	31	High	28
436	10	Low	36	High	26
437	3	Low	18	Medium	15
438	2	Low	30	High	28
439	0	Low	24	Medium	24
440	10	Low	36	High	26
441	3	Low	24	Medium	21
442	0	Low	31	High	31
443	8	Low	36	High	28
444	11	Low	30	High	19
445	2	Low	27	High	25
446	19	Medium	21	Medium	2
447	17	Medium	23	Medium	6

388	21	Medium	31	High	10
389	15	Medium	15	Medium	0
390	3	Low	13	Medium	10
391	6	Low	23	Medium	17
392	7	Low	7	Low	0
393	10	Low	28	High	18
394	23	Medium	30	High	7
395	19	Medium	22	Medium	3
396	17	Medium	33	High	16
397	23	Medium	29	High	6
398	9	Low	28	High	19
399	12	Low	35	High	23
400	10	Low	36	High	26
401	6	Low	36	High	30
402	7	Low	26	High	19
403	3	Low	12	Low	9
404	7	Low	36	High	29
405	0	Low	33	High	33
406	10	Low	34	High	24
407	8	Low	32	High	24
408	7	Low	35	High	28
409	9	Low	36	High	27
410	1	Low	15	Medium	14
411	7	Low	36	High	29
412	3	Low	9	Low	6
413	2	Low	20	Medium	18
414	5	Low	33	High	28
415	6	Low	32	High	26
416	9	Low	35	High	26
417	3	Low	16	Medium	13
418	4	Low	36	High	32
419	4	Low	28	High	24
420	6	Low	30	High	24

448	14	Medium	19	Medium	5
449	15	Medium	20	Medium	5
450	25	High	24	Medium	-1
451	23	Medium	25	High	2
452	26	High	35	High	9
453	17	Medium	22	Medium	5
454	18	Medium	21	Medium	3
455	15	Medium	17	Medium	2
456	13	Medium	16	Medium	3
457	17	Medium	29	High	12
458	18	Medium	26	High	8
459	16	Medium	30	High	14
460	20	Medium	24	Medium	4
461	14	Medium	23	Medium	9
462	18	Medium	16	Medium	-2
463	27	High	29	High	2
464	15	Medium	19	Medium	4
465	21	Medium	19	Medium	-2
466	21	Medium	22	Medium	1
467	11	Low	15	Medium	4
468	36	High	36	High	0
469	14	Medium	33	High	19
470	6	Low	23	Medium	17
471	28	High	31	High	3
472	17	Medium	19	Medium	2
473	22	Medium	24	Medium	2
474	20	Medium	36	High	16
475	21	Medium	33	High	12
476	15	Medium	34	High	19
477	31	High	34	High	3
478	14	Medium	27	High	13
479	21	Medium	30	High	9
480	13	Medium	18	Medium	5

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
481	14	Medium	28	High	14
482	13	Medium	21	Medium	8
483	7	Low	19	Medium	12
484	21	Medium	31	High	10
485	27	High	27	High	0
486	16	Medium	27	High	11
487	21	Medium	23	Medium	2
488	14	Medium	19	Medium	5
489	15	Medium	15	Medium	0
490	23	Medium	32	High	9
491	18	Medium	15	Medium	-3
492	14	Medium	25	High	11
493	21	Medium	28	High	7
494	18	Medium	32	High	14
495	18	Medium	28	High	10
496	12	Low	12	Low	0
497	12	Low	15	Medium	3
498	10	Low	16	Medium	6
499	15	Medium	18	Medium	3
500	8	Low	26	High	18
501	10	Low	16	Medium	6
502	11	Low	8	Low	-3
503	24	Medium	27	High	3
504	21	Medium	24	Medium	3
505	27	High	35	High	8
506	16	Medium	36	High	20
507	13	Medium	32	High	19
508	8	Low	18	Medium	10
509	11	Low	20	Medium	9
510	25	High	34	High	9
511	21	Medium	23	Medium	2
512	7	Low	20	Medium	13
513	15	Medium	36	High	21
514	18	Medium	23	Medium	5

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
541	2	Low	2	Low	0
542	15	Medium	16	Medium	1
543	20	Medium	26	High	6
544	14	Medium	22	Medium	8
545	21	Medium	21	Medium	0
546	9	Low	6	Low	-3
547	16	Medium	22	Medium	6
548	16	Medium	29	High	13
549	0	Low	22	Medium	22
550	32	High	29	High	-3
551	30	High	27	High	-3
552	36	High	35	High	-1
553	21	Medium	28	High	7
554	31	High	36	High	5
555	33	High	36	High	3
556	32	High	29	High	-3
557	8	Low	7	Low	-1
558	35	High	35	High	0
559	35	High	34	High	-1
560	11	Low	28	High	17
561	26	High	35	High	9
562	26	High	28	High	2
563	22	Medium	27	High	5
564	33	High	34	High	1
565	35	High	35	High	0
566	31	High	36	High	5
567	27	High	31	High	4
568	24	Medium	26	High	2
569	25	High	36	High	11
570	10	Low	10	Low	0
571	20	Medium	28	High	8
572	14	Medium	20	Medium	6
573	21	Medium	32	High	11
574	22	Medium	23	Medium	1

515	6	Low	14	Medium	8
516	22	Medium	33	High	11
517	0	Low	6	Low	6
518	9	Low	17	Medium	8
519	19	Medium	19	Medium	0
520	14	Medium	23	Medium	9
521	3	Low	3	Low	0
522	11	Low	9	Low	-2
523	23	Medium	31	High	8
524	27	High	27	High	0
525	11	Low	22	Medium	11
526	1	Low	2	Low	1
527	16	Medium	21	Medium	5
528	15	Medium	34	High	19
529	10	Low	7	Low	-3
530	17	Medium	26	High	9
531	11	Low	18	Medium	7
532	19	Medium	24	Medium	5
533	21	Medium	26	High	5
534	19	Medium	20	Medium	1
535	10	Low	10	Low	0
536	3	Low	9	Low	6
537	9	Low	17	Medium	8
538	22	Medium	30	High	8
539	3	Low	5	Low	2
540	28	High	35	High	7
575	23	Medium	26	High	3
576	14	Medium	14	Medium	0
577	11	Low	13	Medium	2
578	17	Medium	27	High	10
579	13	Medium	24	Medium	11
580	27	High	36	High	9
581	32	High	36	High	4
582	32	High	36	High	4
583	15	Medium	29	High	14
584	21	Medium	29	High	8
585	23	Medium	36	High	13
586	8	Low	10	Low	2
587	14	Medium	14	Medium	0
588	7	Low	21	Medium	14
589	21	Medium	36	High	15
590	8	Low	32	High	24
591	15	Medium	29	High	14
592	10	Low	10	Low	0
593	16	Medium	20	Medium	4
594	14	Medium	24	Medium	10
595	25	High	36	High	11
596	22	Medium	35	High	13
597	19	Medium	27	High	8
598	34	High	36	High	2
599	9	Low	32	High	23
600	4	Low	22	Medium	18

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
601	7	Low	16	Medium	9
602	6	Low	27	High	21
603	1	Low	19	Medium	18
604	4	Low	16	Medium	12
663	9	Low	21	Medium	12
664	10	Low	10	Low	0
665	3	Low	3	Low	0
666	15	Medium	18	Medium	3

605	2	Low	22	Medium	20
606	2	Low	19	Medium	17
607	11	Low	27	High	16
608	5	Low	36	High	31
609	15	Medium	29	High	14
610	4	Low	18	Medium	14
611	4	Low	13	Medium	9
612	5	Low	24	Medium	19
613	4	Low	14	Medium	10
614	19	Medium	29	High	10
615	4	Low	22	Medium	18
616	3	Low	14	Medium	11
617	3	Low	26	High	23
618	9	Low	31	High	22
619	1	Low	20	Medium	19
620	5	Low	27	High	22
621	15	Medium	26	High	11
622	3	Low	26	High	23
623	3	Low	34	High	31
624	9	Low	21	Medium	12
625	1	Low	9	Low	8
626	3	Low	9	Low	6
627	6	Low	6	Low	0
628	3	Low	14	Medium	11
629	7	Low	36	High	29
630	3	Low	17	Medium	14
631	3	Low	13	Medium	10
632	1	Low	15	Medium	14
633	13	Medium	36	High	23
634	11	Low	15	Medium	4
635	7	Low	34	High	27
636	6	Low	16	Medium	10
637	8	Low	20	Medium	12
638	8	Low	27	High	19
639	6	Low	25	High	19
640	9	Low	20	Medium	11
64	4	Low	16	Medium	12

667	10	Low	29	High	19
668	4	Low	4	Low	0
669	11	Low	25	High	14
670	7	Low	36	High	29
671	12	Low	17	Medium	5
672	11	Low	15	Medium	4
673	21	Medium	24	Medium	3
674	4	Low	5	Low	1
675	6	Low	30	High	24
676	1	Low	2	Low	1
677	1	Low	1	Low	0
678	14	Medium	21	Medium	7
679	8	Low	10	Low	2
680	4	Low	6	Low	2
681	8	Low	20	Medium	12
682	5	Low	36	High	31
683	3	Low	14	Medium	11
684	14	Medium	36	High	22
685	21	Medium	31	High	10
686	19	Medium	27	High	8
687	18	Medium	33	High	15
688	24	Medium	33	High	9
689	26	High	36	High	10
690	4	Low	18	Medium	14
691	33	High	36	High	3
692	15	Medium	36	High	21
693	20	Medium	36	High	16
694	5	Low	21	Medium	16
695	28	High	36	High	8
696	16	Medium	21	Medium	5
697	23	Medium	33	High	10
698	24	Medium	36	High	12
699	33	High	35	High	2
700	20	Medium	36	High	16
701	18	Medium	18	Medium	0
702	26	High	34	High	8
703	8	Low	21	Medium	13

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642	9	Low	33	High	24	704	21	Medium	33	High	12
643	1	Low	10	Low	9	705	16	Medium	18	Medium	2
644	7	Low	10	Low	3	706	8	Low	7	Low	-1
645	8	Low	7	Low	-1	707	23	Medium	27	High	4
646	5	Low	32	High	27	708	18	Medium	32	High	14
647	8	Low	20	Medium	12	709	26	High	36	High	10
648	4	Low	20	Medium	16	710	35	High	36	High	1
649	2	Low	5	Low	3	711	8	Low	20	Medium	12
650	10	Low	26	High	16	712	36	High	36	High	0
651	13	Medium	29	High	16	713	35	High	32	High	-3
652	4	Low	11	Low	7	714	6	Low	29	High	23
653	4	Low	17	Medium	13	715	23	Medium	35	High	12
654	6	Low	6	Low	0	716	13	Medium	33	High	20
655	14	Medium	22	Medium	8	717	1	Low	9	Low	8
656	6	Low	22	Medium	16	718	8	Low	18	Medium	10
657	4	Low	21	Medium	17	719	21	Medium	36	High	15
658	6	Low	17	Medium	11	720	21	Medium	25	High	4
659	8	Low	13	Medium	5	721	19	Medium	26	High	7
660	4	Low	2	Low	-2	722	17	Medium	18	Medium	1
661	0	Low	11	Low	11	723	10	Low	13	Medium	3
662	4	Low	20	Medium	16	724	18	Medium	23	Medium	5

Outcome Year 5

Table 24: *Individual Performance in Bamboo Multiplication Level 3 Program*

No.	Initial Assessment		Final Assessment		(F) - (I)	No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level			Correct Responses (I)	Level	Correct Responses (F)	Level	
1	32	High	35	High	3	61	13	Medium	19	Medium	6
2	11	Low	17	Medium	6	62	11	Low	29	High	18
3	24	Medium	32	High	8	63	20	Medium	29	High	9
4	32	High	35	High	3	64	12	Low	15	Medium	3
5	22	Medium	26	High	4	65	29	High	35	High	6
6	12	Low	19	Medium	7	66	20	Medium	22	Medium	2
7	27	High	35	High	8	67	23	Medium	27	High	4
8	23	Medium	21	Medium	-2	68	14	Medium	22	Medium	8
9	14	Medium	13	Medium	-1	69	11	Low	13	Medium	2
10	22	Mediu	22	Mediu	0	70	10	Low	11	Low	1

		m		m	
11	20	Medium	30	High	10
12	17	Medium	18	Medium	1
13	12	Low	35	High	23
14	22	Medium	25	High	3
15	10	Low	11	Low	1
16	8	Low	13	Medium	5
17	11	Low	12	Low	1
18	17	Medium	36	High	19
19	16	Medium	25	High	9
20	19	Medium	30	High	11
21	8	Low	16	Medium	8
22	8	Low	16	Medium	8
23	9	Low	19	Medium	10
24	8	Low	21	Medium	13
25	14	Medium	18	Medium	4
26	12	Low	21	Medium	9
27	14	Medium	26	High	12
28	11	Low	24	Medium	13
29	6	Low	23	Medium	17
30	4	Low	17	Medium	13
31	7	Low	26	High	19
32	14	Medium	20	Medium	6
33	17	Medium	36	High	19
34	2	Low	6	Low	4
35	6	Low	10	Low	4
36	15	Medium	36	High	21
37	13	Medium	18	Medium	5
38	5	Low	19	Medium	14
39	4	Low	13	Medium	9
40	9	Low	27	High	18
41	15	Medium	25	High	10
42	6	Low	14	Medium	8
43	4	Low	10	Low	6
44	6	Low	12	Low	6
45	16	Medium	26	High	10
46	22	Medium	36	High	14
47	17	Medium	30	High	13
48	11	Low	23	Medium	12
49	8	Low	21	Medium	13

71	16	Medium	31	High	15
72	13	Medium	18	Medium	5
73	5	Low	32	High	27
74	8	Low	7	Low	-1
75	20	Medium	24	Medium	4
76	36	High	36	High	0
77	10	Low	22	Medium	12
78	21	Medium	35	High	14
79	19	Medium	19	Medium	0
80	28	High	32	High	4
81	28	High	36	High	8
82	31	High	28	High	-3
83	7	Low	34	High	27
84	15	Medium	14	Medium	-1
85	14	Medium	22	Medium	8
86	5	Low	33	High	28
87	9	Low	14	Medium	5
88	20	Medium	31	High	11
89	11	Low	27	High	16
90	11	Low	17	Medium	6
91	13	Medium	26	High	13
92	7	Low	26	High	19
93	12	Low	29	High	17
94	20	Medium	19	Medium	-1
95	6	Low	25	High	19
96	4	Low	31	High	27
97	3	Low	19	Medium	16
98	9	Low	11	Low	2
99	18	Medium	17	Medium	-1
100	19	Medium	21	Medium	2
101	16	Medium	15	Medium	-1
102	4	Low	17	Medium	13
103	10	Low	22	Medium	12
104	5	Low	10	Low	5
105	11	Low	10	Low	-1
106	16	Medium	14	Medium	-2
107	13	Medium	32	High	19
108	9	Low	19	Medium	10
109	14	Medium	12	Low	-2

50	9	Low	21	Medium	12
51	14	Medium	20	Medium	6
52	8	Low	27	High	19
53	7	Low	16	Medium	9
54	3	Low	5	Low	2
55	17	Medium	33	High	16
56	26	High	33	High	7
57	21	Medium	26	High	5
58	26	High	29	High	3
59	31	High	32	High	1
60	19	Medium	25	High	6

110	11	Low	18	Medium	7
111	8	Low	28	High	20
112	14	Medium	14	Medium	0
113	11	Low	19	Medium	8
114	8	Low	10	Low	2
115	11	Low	23	Medium	12
116	4	Low	16	Medium	12
117	23	Medium	22	Medium	-1
118	29	High	33	High	4
119	14	Medium	12	Low	-2
120	9	Low	19	Medium	10

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
121	22	Medium	21	Medium	-1
122	0	Low	10	Low	10
123	10	Low	14	Medium	4
124	19	Medium	26	High	7
125	7	Low	11	Low	4
126	18	Medium	22	Medium	4
127	23	Medium	35	High	12
128	4	Low	5	Low	1
129	24	Medium	23	Medium	-1
130	16	Medium	34	High	18
131	12	Low	29	High	17
132	27	High	31	High	4
133	24	Medium	33	High	9
134	16	Medium	14	Medium	-2
135	11	Low	9	Low	-2
136	4	Low	2	Low	-2
137	22	Medium	29	High	7
138	25	High	28	High	3
139	12	Low	20	Medium	8
140	10	Low	12	Low	2
141	10	Low	20	Medium	10
14	14	Medium	26	High	12

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
181	4	Low	16	Medium	12
182	9	Low	15	Medium	6
183	11	Low	27	High	16
184	11	Low	27	High	16
185	1	Low	4	Low	3
186	6	Low	19	Medium	13
187	0	Low	0	Low	0
188	3	Low	7	Low	4
189	8	Low	23	Medium	15
190	7	Low	22	Medium	15
191	2	Low	0	Low	-2
192	13	Medium	15	Medium	2
193	15	Medium	24	Medium	9
194	9	Low	17	Medium	8
195	4	Low	27	High	23
196	20	Medium	36	High	16
197	18	Medium	25	High	7
198	5	Low	15	Medium	10
199	8	Low	16	Medium	8
200	17	Medium	29	High	12
201	4	Low	21	Medium	17
202	13	Medium	23	Medium	10

2					
143	7	Low	20	Medium	13
144	9	Low	11	Low	2
145	18	Medium	30	High	12
146	18	Medium	25	High	7
147	5	Low	12	Low	7
148	3	Low	13	Medium	10
149	0	Low	7	Low	7
150	0	Low	9	Low	9
151	6	Low	20	Medium	14
152	16	Medium	23	Medium	7
153	0	Low	7	Low	7
154	7	Low	34	High	27
155	4	Low	15	Medium	11
156	15	Medium	36	High	21
157	11	Low	11	Low	0
158	4	Low	5	Low	1
159	3	Low	23	Medium	20
160	15	Medium	36	High	21
161	7	Low	19	Medium	12
162	22	Medium	35	High	13
163	5	Low	10	Low	5
164	12	Low	10	Low	-2
165	7	Low	26	High	19
166	0	Low	9	Low	9
167	10	Low	18	Medium	8
168	7	Low	23	Medium	16
169	19	Medium	22	Medium	3
170	1	Low	28	High	27
171	10	Low	34	High	24
172	11	Low	21	Medium	10
173	1	Low	14	Medium	13
174	24	Medium	34	High	10
175	6	Low	6	Low	0
176	3	Low	6	Low	3
177	11	Low	18	Medium	7
178	26	High	36	High	10

203	15	Medium	32	High	17
204	7	Low	24	Medium	17
205	7	Low	19	Medium	12
206	9	Low	6	Low	-3
207	6	Low	11	Low	5
208	13	Medium	23	Medium	10
209	6	Low	15	Medium	9
210	17	Medium	31	High	14
211	1	Low	7	Low	6
212	6	Low	7	Low	1
213	17	Medium	30	High	13
214	0	Low	4	Low	4
215	5	Low	13	Medium	8
216	3	Low	7	Low	4
217	21	Medium	34	High	13
218	1	Low	12	Low	11
219	9	Low	12	Low	3
220	17	Medium	29	High	12
221	20	Medium	35	High	15
222	0	Low	1	Low	1
223	6	Low	18	Medium	12
224	10	Low	14	Medium	4
225	3	Low	25	High	22
226	2	Low	22	Medium	20
227	4	Low	16	Medium	12
228	7	Low	36	High	29
229	10	Low	35	High	25
230	13	Medium	30	High	17
231	8	Low	35	High	27
232	5	Low	30	High	25
233	3	Low	18	Medium	15
234	16	Medium	30	High	14
235	2	Low	17	Medium	15
236	3	Low	11	Low	8
237	6	Low	15	Medium	9
238	18	Medium	33	High	15

179	12	Low	23	Medium	11
180	11	Low	26	High	15

239	1	Low	7	Low	6
240	3	Low	15	Medium	12

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
241	5	Low	22	Medium	17
242	12	Low	34	High	22
243	6	Low	16	Medium	10
244	1	Low	22	Medium	21
245	2	Low	22	Medium	20
246	1	Low	32	High	31
247	6	Low	15	Medium	9
248	0	Low	16	Medium	16
249	2	Low	17	Medium	15
250	6	Low	36	High	30
251	36	High	34	High	-2
252	5	Low	35	High	30
253	28	High	34	High	6
254	11	Low	12	Low	1
255	2	Low	30	High	28
256	6	Low	30	High	24
257	32	High	36	High	4
258	7	Low	36	High	29
259	3	Low	36	High	33
260	1	Low	23	Medium	22
261	9	Low	35	High	26
262	1	Low	14	Medium	13
263	5	Low	23	Medium	18
264	19	Medium	36	High	17
265	6	Low	24	Medium	18
266	7	Low	32	High	25
267	1	Low	36	High	35
268	36	High	36	High	0

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
301	2	Low	11	Low	9
302	0	Low	0	Low	0
303	1	Low	10	Low	9
304	0	Low	11	Low	11
305	1	Low	11	Low	10
306	0	Low	9	Low	9
307	9	Low	21	Medium	12
308	6	Low	11	Low	5
309	7	Low	7	Low	0
310	9	Low	14	Medium	5
311	1	Low	8	Low	7
312	2	Low	6	Low	4
313	1	Low	15	Medium	14
314	2	Low	13	Medium	11
315	6	Low	20	Medium	14
316	6	Low	25	High	19
317	7	Low	16	Medium	9
318	5	Low	25	High	20
319	4	Low	18	Medium	14
320	9	Low	24	Medium	15
321	15	Medium	23	Medium	8
322	1	Low	7	Low	6
323	26	High	32	High	6
324	8	Low	11	Low	3
325	0	Low	12	Low	12
326	16	Medium	35	High	19
327	4	Low	20	Medium	16
328	7	Low	24	Medium	17

269	6	Low	25	High	19
270	36	High	36	High	0
271	5	Low	33	High	28
272	10	Low	35	High	25
273	3	Low	35	High	32
274	8	Low	36	High	28
275	5	Low	18	Medium	13
276	2	Low	24	Medium	22
277	18	Medium	31	High	13
278	8	Low	34	High	26
279	12	Low	30	High	18
280	2	Low	25	High	23
281	13	Medium	26	High	13
282	3	Low	28	High	25
283	5	Low	36	High	31
284	1	Low	14	Medium	13
285	6	Low	25	High	19
286	3	Low	22	Medium	19
287	8	Low	34	High	26
288	3	Low	15	Medium	12
289	1	Low	24	Medium	23
290	10	Low	28	High	18
291	11	Low	30	High	19
292	1	Low	36	High	35
293	5	Low	25	High	20
294	2	Low	17	Medium	15
295	1	Low	4	Low	3
296	4	Low	15	Medium	11
297	0	Low	2	Low	2
298	1	Low	16	Medium	15
299	0	Low	4	Low	4
300	1	Low	5	Low	4

329	19	Medium	31	High	12
330	7	Low	15	Medium	8
331	18	Medium	33	High	15
332	5	Low	36	High	31
333	12	Low	16	Medium	4
334	4	Low	35	High	31
335	8	Low	32	High	24
336	6	Low	10	Low	4
337	24	Medium	35	High	11
338	4	Low	14	Medium	10
339	0	Low	1	Low	1
340	2	Low	18	Medium	16
341	10	Low	13	Medium	3
342	8	Low	29	High	21
343	4	Low	14	Medium	10
344	12	Low	16	Medium	4
345	9	Low	18	Medium	9
346	12	Low	30	High	18
347	5	Low	10	Low	5
348	8	Low	23	Medium	15
349	10	Low	20	Medium	10
350	13	Medium	34	High	21
351	6	Low	24	Medium	18
352	27	High	34	High	7
353	11	Low	21	Medium	10
354	4	Low	23	Medium	19
355	1	Low	8	Low	7
356	7	Low	16	Medium	9
357	6	Low	12	Low	6
358	3	Low	25	High	22
359	13	Medium	34	High	21
360	3	Low	26	High	23

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
361	10	Low	22	Medium	12
362	5	Low	18	Medium	13
363	7	Low	7	Low	0
364	4	Low	2	Low	-2
365	20	Medium	35	High	15
366	9	Low	24	Medium	15
367	1	Low	4	Low	3
368	12	Low	16	Medium	4
369	18	Medium	19	Medium	1
370	11	Low	16	Medium	5
371	6	Low	15	Medium	9
372	10	Low	16	Medium	6
373	10	Low	30	High	20
374	7	Low	19	Medium	12
375	2	Low	6	Low	4
376	10	Low	10	Low	0
377	8	Low	8	Low	0
378	17	Medium	27	High	10
379	9	Low	23	Medium	14
380	10	Low	21	Medium	11
381	16	Medium	26	High	10
382	15	Medium	26	High	11
383	18	Medium	19	Medium	1
384	1	Low	1	Low	0
385	12	Low	14	Medium	2
386	10	Low	11	Low	1
387	6	Low	7	Low	1
388	25	High	24	Medium	-1
389	21	Medium	36	High	15
390	18	Medium	23	Medium	5
391	8	Low	14	Medium	6
392	8	Low	13	Medium	5
393	16	Medium	21	Medium	5
394	19	Medium	18	Medium	-1
395	8	Low	8	Low	0

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
421	26	High	30	High	4
422	11	Low	21	Medium	10
423	8	Low	14	Medium	6
424	17	Medium	27	High	10
425	27	High	34	High	7
426	10	Low	10	Low	0
427	36	High	34	High	-2
428	7	Low	8	Low	1
429	25	High	23	Medium	-2
430	8	Low	25	High	17
431	18	Medium	30	High	12
432	16	Medium	36	High	20
433	27	High	32	High	5
434	23	Medium	35	High	12
435	23	Medium	31	High	8
436	27	High	34	High	7
437	8	Low	21	Medium	13
438	35	High	36	High	1
439	21	Medium	35	High	14
440	24	Medium	36	High	12
441	35	High	36	High	1
442	33	High	36	High	3
443	10	Low	19	Medium	9
444	24	Medium	35	High	11
445	12	Low	34	High	22
446	13	Medium	31	High	18
447	16	Medium	34	High	18
448	13	Medium	30	High	17
449	7	Low	24	Medium	17
450	20	Medium	36	High	16
451	26	High	33	High	7
452	20	Medium	32	High	12
453	23	Medium	34	High	11
454	16	Medium	36	High	20
455	34	High	34	High	0

396	14	Medium	11	Low	-3
397	18	Medium	35	High	17
398	22	Medium	31	High	9
399	31	High	35	High	4
400	12	Low	23	Medium	11
401	17	Medium	21	Medium	4
402	11	Low	16	Medium	5
403	34	High	36	High	2
404	21	Medium	22	Medium	1
405	20	Medium	24	Medium	4
406	36	High	36	High	0
407	21	Medium	33	High	12
408	19	Medium	34	High	15
409	20	Medium	35	High	15
410	20	Medium	36	High	16
411	6	Low	12	Low	6
412	31	High	32	High	1
413	20	Medium	36	High	16
414	20	Medium	36	High	16
415	24	Medium	36	High	12
416	21	Medium	36	High	15
417	25	High	35	High	10
418	19	Medium	33	High	14
419	3	Low	5	Low	2
420	24	Medium	36	High	12

456	17	Medium	36	High	19
457	15	Medium	23	Medium	8
458	20	Medium	33	High	13
459	21	Medium	32	High	11
460	28	High	36	High	8
461	36	High	36	High	0
462	21	Medium	24	Medium	3
463	23	Medium	36	High	13
464	6	Low	8	Low	2
465	15	Medium	19	Medium	4
466	1	Low	4	Low	3
467	21	Medium	28	High	7
468	17	Medium	22	Medium	5
469	12	Low	15	Medium	3
470	19	Medium	31	High	12
471	16	Medium	23	Medium	7
472	10	Low	15	Medium	5
473	23	Medium	30	High	7
474	24	Medium	36	High	12
475	11	Low	19	Medium	8
476	24	Medium	36	High	12
477	15	Medium	24	Medium	9
478	15	Medium	21	Medium	6
479	14	Medium	16	Medium	2
480	27	High	33	High	6

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
481	30	High	35	High	5
482	20	Medium	20	Medium	0
483	17	Medium	21	Medium	4
484	29	High	30	High	1
485	12	Low	16	Medium	4
48	12	Low	10	Low	-2

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487	25	High	36	High	11
488	17	Medium	18	Medium	1
489	20	Medium	35	High	15
490	22	Medium	32	High	10
491	29	High	36	High	7
492	36	High	34	High	-2
493	22	Medium	34	High	12
494	21	Medium	35	High	14
495	16	Medium	28	High	12
496	22	Medium	35	High	13
497	12	Low	21	Medium	9
498	13	Medium	31	High	18
499	24	Medium	36	High	12
500	17	Medium	36	High	19
501	17	Medium	28	High	11
502	26	High	27	High	1
503	16	Medium	24	Medium	8
504	16	Medium	18	Medium	2
505	15	Medium	19	Medium	4
506	26	High	30	High	4
507	14	Medium	27	High	13
508	35	High	36	High	1
509	20	Medium	27	High	7
510	6	Low	21	Medium	15
511	18	Medium	18	Medium	0
512	13	Medium	14	Medium	1
513	15	Medium	25	High	10
514	8	Low	32	High	24

Outcome Year 6

Table 25: *Individual Performance in Bamboo Multiplication Level 3 Program*

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
1	2	Low	25	High	23
2	13	Medium	33	High	20
3	4	Low	28	High	24
4	5	Low	35	High	30
5	3	Low	6	Low	3
6	15	Medium	25	High	10
7	1	Low	13	Medium	12
8	7	Low	36	High	29
9	4	Low	27	High	23
10	6	Low	25	High	19
11	7	Low	26	High	19
12	10	Low	24	Medium	14
13	3	Low	12	Low	9
14	7	Low	30	High	23
15	11	Low	32	High	21
16	21	Medium	36	High	15
17	7	Low	32	High	25
18	8	Low	16	Medium	8
19	10	Low	24	Medium	14
20	33	High	36	High	3
21	36	High	36	High	0
22	18	Medium	33	High	15
23	33	High	34	High	1
24	9	Low	23	Medium	14
25	16	Medium	32	High	16
26	3	Low	21	Medium	18
27	7	Low	13	Medium	6
28	11	Low	12	Low	1

No.	Initial Assessment		Final Assessment		(F) - (I)
	Correct Responses (I)	Level	Correct Responses (F)	Level	
46	16	Medium	20	Medium	4
47	11	Low	11	Low	0
48	25	High	36	High	11
49	17	Medium	14	Medium	-3
50	5	Low	16	Medium	11
51	14	Medium	13	Medium	-1
52	24	Medium	36	High	12
53	20	Medium	36	High	16
54	12	Low	16	Medium	4
55	21	Medium	31	High	10
56	13	Medium	24	Medium	11
57	21	Medium	30	High	9
58	25	High	36	High	11
59	22	Medium	24	Medium	2
60	14	Medium	26	High	12
61	28	High	36	High	8
62	19	Medium	24	Medium	5
63	14	Medium	36	High	22
64	23	Medium	36	High	13
65	12	Low	17	Medium	5
66	11	Low	25	High	14
67	14	Medium	23	Medium	9
68	26	High	36	High	10
69	21	Medium	25	High	4
70	14	Medium	15	Medium	1
71	19	Medium	31	High	12

29	8	Low	14	Medium	6
30	4	Low	21	Medium	17
31	13	Medium	17	Medium	4
32	13	Medium	18	Medium	5
33	13	Medium	33	High	20
34	16	Medium	32	High	16
35	11	Low	10	Low	-1
36	19	Medium	19	Medium	0
37	9	Low	17	Medium	8
38	19	Medium	32	High	13
39	5	Low	10	Low	5
40	14	Medium	17	Medium	3
41	4	Low	12	Low	8
42	19	Medium	28	High	9
43	16	Medium	16	Medium	0
44	5	Low	4	Low	-1
45	17	Medium	17	Medium	0