Functional Skills Maths Level 1

Mock Test 4

Total marks: 60

Pass mark: 36 out of 60

Time allowed: 2 hours

Section A: Non-calculator (20 marks) | Section B: Calculator (40 marks)

You will need: pen, pencil, ruler, rubber, calculator (Section B only)

Name: _____ Date: _____

Section A — Non-Calculator

10 questions • 20 marks • 30 minutes

Question 1 (2 marks)

35% of 60?

- A) 18
- B) 21
- C) 24
- D) 15

Question 2 (2 marks)

Write 7/20 as a decimal.

- A) 0.35
- B) 0.7
- C) 3.5
- D) 0.07

Question 3 (2 marks)

Cement to sand ratio 1:6. 4kg cement. Sand?

- A) 18 kg
- B) 24 kg
- C) 20 kg
- D) 30 kg

Question 4 (2 marks)

Median of 4, 9, 2, 7, 5, 1, 8?

- A) 4
- B) 5
- C) 7
- D) 5.14

Question 5 (2 marks)

5/6 − 1/3?

- A) 2/6
- B) 1/2
- C) 3/6
- D) 2/3

Question 6 (2 marks)

Gym day-pass £8, with 25% off?

- A) £6
- B) £5
- C) £7
- D) £6.50

Question 7 (2 marks)

From 4 red, 6 blue, 2 yellow balls. P(not blue)?

- A) 1/2
- B) 1/4
- C) 1/3
- D) 5/12

Question 8 (2 marks)

0.8 × 0.3?

- A) 2.4
- B) 0.24
- C) 0.024
- D) 24

Question 9 (2 marks)

Order smallest to largest: 55%, 1/2, 0.54, 3/5

- A) 1/2, 0.54, 55%, 3/5
- B) 0.54, 1/2, 55%, 3/5
- C) 1/2, 55%, 0.54, 3/5
- D) 3/5, 55%, 0.54, 1/2

Question 10 (2 marks)

Parallelogram base 9, height 4. Area?

- A) 36
- B) 26
- C) 18
- D) 13

Section B — Calculator Allowed

15 questions • 40 marks • 90 minutes

Question 11 (3 marks)

Washer £449.99 cash, OR 20% deposit + 12 monthly payments of £32.50. How much more is the credit option?

- A) £30.01
- B) £40.01
- C) £30
- D) £30.02

Question 12 (3 marks)

Salary £27,300. Tax-free allowance £12,570. Tax 20% on the rest. Take-home pay per month?

- A) £2,029
- B) £2,029.50
- C) £1,820

■ D) £2,275

Question 13 (3 marks)

A teacher records the homework grades below (out of 10). a) Mean? b) Mode?

Grades: 1, 3, 4, 4, 5, 5, 5, 5, 4, 4

■ A) 4, mode 5
■ B) 4.2, mode 5
■ C) 4, mode 4
■ D) 3.8, mode 5

Question 14 (3 marks)

Map 1:50,000. 3.4cm on map = real km?

■ A) 1.7 km
■ B) 17 km
■ C) 0.17 km
■ D) 170 km

Question 15 (3 marks)

Credit card balance £1,800 charged at 2.4% per month. Interest in 1 month?

■ A) £43.20
■ B) £21.60
■ C) £36
■ D) £18

Question 16 (2 marks)

1L for £1.20 vs 1.5L for £1.65. Better value?

■ A) 1L
■ B) 1.5L
■ C) Same
■ D) Cannot tell

Question 17 (3 marks)

Trapezium with parallel sides 8 and 12, height 5. Area?

■ A) 50
■ B) 100
■ C) 40
■ D) 60

Question 18 (2 marks)

Two fair coins flipped. Probability of two heads?

■ A) 1/4
■ B) 1/2
■ C) 1/3
■ D) 3/4

Question 19 (3 marks)

You arrive at the bus stop at 10:40. Using the timetable below, what's the earliest you can reach the Retail Park?

Bus timetable — Town Centre → Retail Park
10:30 dep, 11:05 arr
11:00 dep, 11:35 arr
11:30 dep, 12:05 arr

- A) 11:05
- B) 11:35
- C) 12:05
- D) 10:35

Question 20 (3 marks)

House sold for £214,600 (bought for £185,000). Percentage profit?

- A) 14%
- B) 16%
- C) 18%
- D) 12%

Question 21 (2 marks)

£15,000 split in the ratio 2:3:5. Largest share?

- A) £6,000
- B) £7,500
- C) £5,000
- D) £4,500

Question 22 (3 marks)

Worktop 3m × 0.6m with a cut-out 0.5m × 0.4m. Material costs £85/m². Total material cost?

- A) £136
- B) £153
- C) £170
- D) £119

Question 23 (2 marks)

From the frequency table below, what is the mean (1dp)?

Rating × Frequency:
1 × 3 = 3, 2 × 6 = 12,
3 × 7 = 21, 4 × 3 = 12, 5 × 1 = 5
Total people: 20. Sum: 53.

- A) 2.5
- B) 2.65
- C) 3
- D) 2.8

Question 24 (3 marks)

Electricity bill, tiered tariff. 340 units total this period. Total bill?

Tariff bands:
Tier 1: first 100 units at 28p/unit
Tier 2: next 200 units at 26.4p/unit
Tier 3: remaining units at 23.75p/unit

- A) £90.30
- B) £80.80
- C) £85.30
- D) £92.30

Question 25 (2 marks)

Item is £18 after a 12.5% increase. Original price?

- A) £16
- B) £15.75
- C) £15.50
- D) £16.25