Functional Skills Maths Level 1

Mock Test 2

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)

15% of 80?

- A) 10
- B) 12
- C) 14
- D) 16

Question 2 (2 marks)

Write 3/8 as a decimal.

- A) 0.375
- B) 0.38
- C) 0.35
- D) 0.325

Question 3 (2 marks)

Simplify 24:36

- A) 4:6
- B) 2:3
- C) 3:4
- D) 8:12

Question 4 (2 marks)

Mean of 8, 12, 15, 9, 6?

- A) 9
- B) 10
- C) 11
- D) 12

Question 5 (2 marks)

2/3 + 1/4?

- A) 9/12
- B) 10/12
- C) 11/12
- D) 7/12

Question 6 (2 marks)

£40 shirt, 30% off. Sale price?

- A) £28
- B) £30
- C) £32
- D) £12

Question 7 (2 marks)

Probability of picking blue from 3 red, 5 blue, 2 green balls?

- A) 1/2
- B) 5/8
- C) 3/8
- D) 2/5

Question 8 (2 marks)

2.4 × 5?

- A) 10
- B) 12
- C) 14
- D) 11

Question 9 (2 marks)

Order smallest to largest: 0.45, 1/3, 40%, 3/8

- A) 1/3, 3/8, 40%, 0.45
- B) 1/3, 40%, 3/8, 0.45
- C) 40%, 1/3, 3/8, 0.45
- D) 3/8, 40%, 1/3, 0.45

Question 10 (2 marks)

A rectangle has area 48cm² and width 6cm. Length?

- A) 6 cm
- B) 8 cm
- C) 10 cm
- D) 42 cm

Section B — Calculator Allowed

15 questions • 40 marks • 90 minutes

Question 11 (3 marks)

Sofa £899 with 15% off PLUS an extra £50 off. Final price?

- A) £714.15
- B) £694.15
- C) £684.15
- D) £714.85

Question 12 (3 marks)

Recipe for 6 people needs 450g flour and 300ml milk. Scale for 10 people.

- A) 750g, 500ml
- B) 675g, 450ml
- C) 900g, 600ml
- D) 600g, 400ml

Question 13 (3 marks)

Scores: 72, 85, 68, 91, 76, 83, 79. Mean and range?

- A) 79.1, range 23
- B) 80, range 23
- C) 79.1, range 19
- D) 78, range 23

Question 14 (3 marks)

Map scale 1:25,000. 8cm on the map = ? real distance.

- A) 2 km
- B) 20 km
- C) 200 km
- D) 0.2 km

Question 15 (3 marks)

£2,000 invested at 3.5% simple interest per year for 4 years. Total interest?

- A) £280
- B) £240
- C) £300
- D) £200

Question 16 (2 marks)

Brand A: 500g for £2.80. Brand B: 750g for £3.90. Better value?

- A) Brand A
- B) Brand B
- C) Same
- D) Need more info

Question 17 (3 marks)

L-shaped area: rectangle 6m × 4m joined to rectangle 3m × 2m. Total area?

- A) 28 m²
- B) 30 m²
- C) 32 m²
- D) 36 m²

Question 18 (2 marks)

A spinner has 3 red, 2 yellow, 1 green, 2 blue. P(not red)?

- A) 3/8
- B) 5/8
- C) 1/2
- D) 3/5

Question 19 (3 marks)

Buses depart Stop A on the timings below. You arrive at Stop A at 08:50. What is the earliest time you can be at Stop C?

Bus timetable — Stop A → Stop B → Stop C

Bus 1: A 08:15 B 08:30 C 08:55
Bus 2: A 08:45 B 09:00 C 09:20
Bus 3: A 09:15 B 09:30 C 09:50
Bus 4: A 09:45 B 10:00 C 10:20

- A) 09:20
- B) 09:50
- C) 10:20
- D) 09:15

Question 20 (3 marks)

House price rose from £24,500 to £25,725. What is the percentage increase?

- A) 4%
- B) 5%
- C) 6%
- D) 3%

Question 21 (2 marks)

£180 split in the ratio 2:3:4. What is the largest share?

- A) £60
- B) £80
- C) £90
- D) £100

Question 22 (3 marks)

A room measures 5.2m × 3.8m. Carpet costs £12.50/m², underlay £3.80/m², and fitting is a flat £75. Total cost?

- A) £397.09
- B) £387.12
- C) £322.12
- D) £407.12

Question 23 (2 marks)

Median of 5, 12, 7, 3, 15, 9, 11?

- A) 7
- B) 9
- C) 11
- D) 8.86

Question 24 (3 marks)

Car uses 6.5L per 100km. Drive 320km. Fuel costs £1.45/L. Total fuel cost?

- A) £30.16
- B) £28.16
- C) £32.16
- D) £29.16

Question 25 (2 marks)

£85 includes 20% VAT. What is the price before VAT?

- A) £68
- B) £70.83
- C) £72
- D) £65