Functional Skills Maths Level 1

Mock Test 3

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)

40% of 90?

- A) 32
- B) 36
- C) 42
- D) 45

Question 2 (2 marks)

Write 0.65 as a fraction in its simplest form.

- A) 65/100
- B) 13/20
- C) 3/5
- D) 6/10

Question 3 (2 marks)

Split 240 in the ratio 3:5.

- A) 80, 160
- B) 90, 150
- C) 100, 140
- D) 120, 120

Question 4 (2 marks)

Range of 14, 7, 23, 11, 18, 9?

- A) 14
- B) 16
- C) 12
- D) 9

Question 5 (2 marks)

5/8 − 1/4?

- A) 4/8
- B) 3/8
- C) 5/8
- D) 1/4

Question 6 (2 marks)

£75 coat with a 20% surcharge?

- A) £85
- B) £90
- C) £95
- D) £80

Question 7 (2 marks)

Probability of rolling an even number on a fair six-sided dice?

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

Question 8 (2 marks)

3.6 ÷ 0.4?

- A) 0.9
- B) 9
- C) 90
- D) 0.09

Question 9 (2 marks)

Which is the largest? 2/3, 70%, 0.68, 3/4

- A) 2/3
- B) 70%
- C) 0.68
- D) 3/4

Question 10 (2 marks)

Triangle with base 10 and height 7. Area?

- A) 70
- B) 35
- C) 17
- D) 34

Section B — Calculator Allowed

15 questions • 40 marks • 90 minutes

Question 11 (3 marks)

Laptop £649 with 25% off. New price?

- A) £486.75
- B) £524
- C) £499
- D) £462.25

Question 12 (3 marks)

A car does 156 miles on 12 litres. Cost to drive 260 miles at £1.52/L?

- A) 13 mpL, £30.40
- B) 13 mpL, £20.40
- C) 12 mpL, £30.40
- D) 13 mpL, £32.40

Question 13 (3 marks)

Annual wages of an 8-person team are listed below. a) Mean? b) Median? c) Mode?

Wages (£000s): 22, 22, 25, 27, 28, 32, 35, 67

- A) £32.25k, £27.5k, £22k
- B) £32.25k, £26k, £22k
- C) £28k, £27.5k, £22k
- D) £32.25k, £27.5k, £27k

Question 14 (3 marks)

Scale 1cm = 0.5m. A room measures 8cm × 6cm on the plan. Real area?

- A) 12 m²
- B) 24 m²
- C) 48 m²
- D) 6 m²

Question 15 (3 marks)

£5,000 borrowed at 4.2% simple interest per year for 3 years. Total repayable?

- A) £5,630
- B) £5,420
- C) £5,840
- D) £5,210

Question 16 (2 marks)

2kg costs £5.40. 3kg costs £7.50. Better value?

- A) 2kg
- B) 3kg
- C) Same
- D) Need more info

Question 17 (3 marks)

Circle with radius 3m. Circumference? (π = 3.14)

- A) 18.84 m
- B) 28.26 m
- C) 9.42 m
- D) 6.28 m

Question 18 (2 marks)

You buy 15 raffle tickets out of 200. Probability of winning?

- A) 3/40
- B) 15/100
- C) 1/15
- D) 15/185

Question 19 (3 marks)

You need to arrive in Leeds before 11:00. The timetable shows three options. What is the latest train you can take, and the journey time?

Trains to Leeds:
09:00 dep, 10:15 arr (journey 75 min)
09:30 dep, 10:45 arr (journey 75 min)
09:45 dep, 10:52 arr (express, 67 min)
10:15 dep, 11:30 arr (too late)

- A) 09:45, 67 min
- B) 09:15, 67 min
- C) 10:15, 67 min
- D) 09:45, 57 min

Question 20 (3 marks)

House valuation rose from £45,000 to £52,200. Percentage increase?

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

Question 21 (2 marks)

Concrete mixed in ratio 1:2:4. Total mix 280kg. How much sand?

- A) 40 kg
- B) 80 kg
- C) 120 kg
- D) 160 kg

Question 22 (3 marks)

A bathroom floor is 2.4m × 1.8m. Tiles cost £35/m², the tiler charges £30/m², and grout is a fixed £25.20. Total cost?

- A) £306.00
- B) £296.96
- C) £316.46
- D) £288.96

Question 23 (2 marks)

Mode of 6, 7, 8, 7, 9, 7, 8, 10, 6, 7?

- A) 6
- B) 7
- C) 8
- D) 7.5

Question 24 (3 marks)

Exchange £350 to euros at the rate £1 = €1.16. After spending €285, convert any euros left back to £ at the same rate. How much in € left, and £ after conversion?

- A) €121, £104.31

■ B) €121, £95
■ C) €65, £56.03
■ D) €131, £112.93

Question 25 (2 marks)

An item is £63 after a 10% discount. What was the original price?

■ A) £70
■ B) £73
■ C) £69.30
■ D) £56.70