Functional Skills Maths Level 1

Mock Test 3 — Answer Key & Mark Scheme

Q1 (2 marks)

Answer: B — 36

10% of 90 = 9. 40% = 4 × 9 = 36.

Q2 (2 marks)

Answer: B — 13/20

0.65 = 65/100. GCF = 5. = 13/20.

Q3 (2 marks)

Answer: B — 90, 150

Total parts = 8. 240 ÷ 8 = 30. 3 × 30 = 90, 5 × 30 = 150.

Q4 (2 marks)

Answer: B — 16

Max − Min = 23 − 7 = 16.

Q5 (2 marks)

Answer: B — 3/8

Common denominator 8: 5/8 − 2/8 = 3/8.

Q6 (2 marks)

Answer: B — £90

20% of £75 = £15. £75 + £15 = £90.

Q7 (2 marks)

Answer: B — 1/2

Evens are 2, 4, 6 → 3 out of 6 = 1/2.

Q8 (2 marks)

Answer: B — 9

Multiply both by 10: 36 ÷ 4 = 9.

Q9 (2 marks)

Answer: D — 3/4

Convert: 2/3 ≈ 0.667, 70% = 0.70, 0.68, 3/4 = 0.75. Largest = 3/4.

Q10 (2 marks)

Answer: B — 35

½ × 10 × 7 = 35.

Q11 (3 marks)

Answer: A — £486.75

25% of £649 = £162.25. £649 − £162.25 = £486.75.

Q12 (3 marks)

Answer: A — 13 mpL, £30.40

156 ÷ 12 = 13 miles per litre. 260 ÷ 13 = 20L needed. 20 × £1.52 = £30.40.

Q13 (3 marks)

Answer: A — £32.25k, £27.5k, £22k

Sum 258 ÷ 8 = £32.25k. Sorted middle pair (27, 28) → median 27.5k. 22k appears twice — mode 22k.

Q14 (3 marks)

Answer: A — 12 m²

Real dims: 4m × 3m. Area = 12 m².

Q15 (3 marks)

Answer: A — £5,630

Interest 5000 × 0.042 × 3 = £630. Total = £5,630.

Q16 (2 marks)

Answer: B — 3kg

2kg = £2.70/kg. 3kg = £2.50/kg. 3kg is cheaper per kg.

Q17 (3 marks)

Answer: A — 18.84 m

C = 2πr = 2 × 3.14 × 3 = 18.84 m.

Q18 (2 marks)

Answer: A — 3/40

15/200. Divide both by 5 → 3/40.

Q19 (3 marks)

Answer: A — 09:45, 67 min

Latest = 09:45. Journey 09:45 → 10:52 = 1h 7m = 67 min.

Q20 (3 marks)

Answer: B — 16%

Difference £7,200. 7200 ÷ 45000 × 100 = 16%.

Q21 (2 marks)

Answer: B — 80 kg

Total parts = 7. 280 ÷ 7 = 40 per part. Sand = 2 parts = 80 kg.

Q22 (3 marks)

Answer: A — £306.00

Area 4.32 m². (£35 + £30) × 4.32 + £25.20 = £280.80 + £25.20 = £306.00.

Q23 (2 marks)

Answer: B — 7

7 appears four times — most common.

Q24 (3 marks)

Answer: A — €121, £104.31

£350 × 1.16 = €406. €406 − €285 = €121. €121 ÷ 1.16 = £104.31.

Q25 (2 marks)

Answer: A — £70

£63 represents 90% of the original. £63 ÷ 0.9 = £70.

Total: 60 marks | Pass mark: 36/60