Functional Skills Maths Level 1

Mock Test 5 — Answer Key & Mark Scheme

Q1 (2 marks)

Answer: A — 20

10% = 16, 2.5% = 4. 12.5% = 20.

Q2 (2 marks)

Answer: A — 1/8

0.125 = 125/1000 = 1/8.

Q3 (2 marks)

Answer: B — 20

Parts = 8. 32 ÷ 8 = 4. Girls = 5 × 4 = 20.

Q4 (2 marks)

Answer: B — 8

8 appears 3 times — most common.

Q5 (2 marks)

Answer: A — 1/2

Numerator 3 × 2 = 6. Denominator 4 × 3 = 12. 6/12 = 1/2.

Q6 (2 marks)

Answer: A — £384

320 × 1.20 = £384.

Q7 (2 marks)

Answer: A — 5/14

5/8 × 4/7 = 20/56 = 5/14.

Q8 (2 marks)

Answer: B — 13

Multiply both by 10: 156 ÷ 12 = 13.

Q9 (2 marks)

Answer: C — 33%

1/3 ≈ 0.333. 33% = 0.33 is closest.

Q10 (2 marks)

Answer: A — 153.86

πr^2 = 3.14 × 49 = 153.86.

Q11 (3 marks)

Answer: A — B saves £7.50

A: 450 × 26p + £7.50 = £124.50. B: 450 × 26p = £117. B saves £7.50.

Q12 (3 marks)

Answer: A — £1,440

Labour = 60% × £4,800 = £2,880. ÷ 2 workers = £1,440 each.

Q13 (3 marks)

Answer: A — −0.14°C, range 7

Sum = −1. Mean = −1 ÷ 7 ≈ −0.14. Range = 3 − (−4) = 7.

Q14 (3 marks)

Answer: A — 30 m

15 × 200 = 3,000 cm = 30 m.

Q15 (3 marks)

Answer: A — £824.18

800 × 1.015² = £824.18.

Q16 (2 marks)

Answer: A — £1.20

Difference per litre = 3p. 3p × 40 = 120p = £1.20.

Q17 (3 marks)

Answer: A — 0.57 m²

Radius = 0.6 m. Full circle area = π × 0.36. Half = 1.13/2 ≈ 0.57 m².

Q18 (2 marks)

Answer: A — 2/5

Primes 2, 3, 5, 7. 4 out of 10 = 2/5.

Q19 (3 marks)

Answer: A — 12:00, 1h 15m

Depart UK 12:00, fly 1h 15m, arrive UK 13:15 = 14:15 Paris (before 15:00).

Q20 (3 marks)

Answer: A — 6%

Increase £20,400. 20,400 ÷ 340,000 × 100 = 6%.

Q21 (2 marks)

Answer: A — 500 ml

Parts = 5. 2,500 ÷ 5 = 500 ml of squash.

Q22 (3 marks)

Answer: A — 120 slabs, £336

Area = 30 m². Each slab = 0.25 m². 30 ÷ 0.25 = 120 slabs. 120 × £2.80 = £336.

Q23 (2 marks)

Answer: B — 11–20

Total 25 values. Median = 13th. Cumulative: 8 (0–10), 18 (11–20). 13th sits in 11–20.

Q24 (3 marks)

Answer: A — A saves £72

A: 22 × 12 = £264. B: 20 × 12 + 96 = £336. A saves £72.

Q25 (2 marks)

Answer: A — £12,000

£10,200 represents 85%. ÷ 0.85 = £12,000.

Total: 60 marks | Pass mark: 36/60