Functional Skills Maths Level 1

Mock Test 2 — Answer Key & Mark Scheme

Q1 (2 marks)

Answer: B — 12

10% of 80 = 8. 5% = 4. 15% = 12.

Q2 (2 marks)

Answer: A — 0.375

3 ÷ 8 = 0.375.

Q3 (2 marks)

Answer: B — 2:3

HCF = 12. 24:36 = 2:3.

Q4 (2 marks)

Answer: B — 10

Sum 50 ÷ 5 = 10.

Q5 (2 marks)

Answer: C — 11/12

Common denominator 12: 8/12 + 3/12 = 11/12.

Q6 (2 marks)

Answer: A — £28

30% of £40 = £12. £40 − £12 = £28.

Q7 (2 marks)

Answer: A — 1/2

Total = 10. P(blue) = 5/10 = 1/2.

Q8 (2 marks)

Answer: B — 12

2.4 × 5 = 12.

Q9 (2 marks)

Answer: A — 1/3, 3/8, 40%, 0.45

1/3 ≈ 0.333, 3/8 = 0.375, 40% = 0.40, 0.45. So order is 1/3, 3/8, 40%, 0.45.

Q10 (2 marks)

Answer: B — 8 cm

Area = L × W. 48 ÷ 6 = 8cm.

Q11 (3 marks)

Answer: A — £714.15

15% of £899 = £134.85. £899 − £134.85 − £50 = £714.15.

Q12 (3 marks)

Answer: A — 750g, 500ml

Multiply by 10/6 = 5/3. 450 × 5/3 = 750g. 300 × 5/3 = 500ml.

Q13 (3 marks)

Answer: A — 79.1, range 23

Sum 554 ÷ 7 = 79.1 (1dp). Range 91 − 68 = 23.

Q14 (3 marks)

Answer: A — 2 km

8 × 25,000 = 200,000 cm = 2 km.

Q15 (3 marks)

Answer: A — £280

2000 × 0.035 × 4 = £280.

Q16 (2 marks)

Answer: B — Brand B

A: 280p ÷ 500g = 0.56p/g. B: 390p ÷ 750g = 0.52p/g. B is cheaper per gram.

Q17 (3 marks)

Answer: B — 30 m²

24 + 6 = 30 m².

Q18 (2 marks)

Answer: B — 5/8

Total 8. Not red = 5. P = 5/8.

Q19 (3 marks)

Answer: B — 09:50

Next bus from A after 08:50 departs at 09:15 and reaches C at 09:50.

Q20 (3 marks)

Answer: B — 5%

Difference £1,225. 1225 ÷ 24,500 × 100 = 5%.

Q21 (2 marks)

Answer: B — £80

Total parts = 9. 1 part = £20. Largest (4 parts) = £80.

Q22 (3 marks)

Answer: A — £397.09

Area = 5.2 × 3.8 = 19.76 m². (£12.50 + £3.80) × 19.76 + £75 = £322.09 + £75 = £397.09.

Q23 (2 marks)

Answer: B — 9

Sorted: 3, 5, 7, 9, 11, 12, 15. Middle = 9.

Q24 (3 marks)

Answer: A — £30.16

Fuel: 320 ÷ 100 × 6.5 = 20.8L. Cost: 20.8 × £1.45 = £30.16.

Q25 (2 marks)

Answer: B — £70.83

£85 ÷ 1.20 = £70.83.

Total: 60 marks | Pass mark: 36/60