Functional Skills Maths Level 2

Mock Test 2 — Answer Key & Mark Scheme

Q1 (1 mark)

Answer: A — 4.7 × 10^4

Move decimal 4 places left: 4.7 × 10^4.

Q2 (2 marks)

Answer: A — 7a + 4b − 4

5a + 2a = 7a; −3b + 7b = 4b; constant = −4.

Q3 (2 marks)

Answer: A — £977.50

1.15 × £850 = £977.50.

Q4 (2 marks)

Answer: A — 1 1/2

7/3 − 5/6 = 14/6 − 5/6 = 9/6 = 1 1/2.

Q5 (2 marks)

Answer: A — x = 4

x + 5 = 9, so x = 4.

Q6 (1 mark)

Answer: C — 81

3 × 3 × 3 × 3 = 81.

Q7 (2 marks)

Answer: A — £400

Total parts = 9. 4/9 × £900 = £400.

Q8 (2 marks)

Answer: B — 300

(30 × 5) ÷ 0.5 = 150 ÷ 0.5 = 300.

Q9 (2 marks)

Answer: B — £4,887.43

4500 × 1.028^3 = £4,887.43.

Q10 (2 marks)

Answer: A — £87.04

Area = ½ × 6.4 × 3.2 = 10.24 m^2. × £8.50 = £87.04.

Q11 (2 marks)

Answer: A — 140

400 × 0.35 = 140.

Q12 (2 marks)

Answer: A — 10 cm

$6^2 + 8^2 = 100$. $\sqrt{100} = 10$.

Q13 (2 marks)

Answer: B — 59

Total = 120 + 385 + 300 + 375 = 1180. ÷ 20 = 59.

Q14 (2 marks)

Answer: A — £460

£552 ÷ 1.2 = £460.

Q15 (2 marks)

Answer: A — 3.1 km

6.2 × 50,000 = 310,000 cm = 3.1 km.

Q16 (2 marks)

Answer: A — $x \geq 5$

$5x \geq 25$, so $x \geq 5$.

Q17 (2 marks)

Answer: A — 424.1 cm^3

$\pi \times 9 \times 15 \approx 424.1\ cm^3$.

Q18 (2 marks)

Answer: A — 46.7%

28 ÷ 60 × 100 = 46.7%.

Q19 (2 marks)

Answer: A — 4.44 × 10^5

360,000 + 84,000 = 444,000 = 4.44 × 10^5.

Q20 (3 marks)

Answer: A — £116.40

9L yellow = £61.20; 6L blue = £55.20. Total = £116.40.

Q21 (2 marks)

Answer: A — 36 min

450 ÷ 12.5 = 36 minutes.

Q22 (2 marks)

Answer: A — 11x + 11

8x − 4 + 3x + 15 = 11x + 11.

Q23 (3 marks)

Answer: A — £184.49

r = 0.9. Area = ½πr² = 1.2723 m². × £145 = £184.49.

Q24 (2 marks)

Answer: A — £750

$945 ÷ 1.26 = £750.

Q25 (3 marks)

Answer: A — £590.89

Monthly + joining = 12 × £34.99 + £50 = £469.88. × 0.9 = £422.89. + 6 × £28 = £168. Total = £590.89.

Total: 49 marks | Pass mark: 29/49