2.21-2 Worded Problems Set B: 10-minute Pack

GL ASSESSMENT GL-11PLUS-MATHS · Calculators not allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Elif buys a magazine for £2.60 and a bottle of water for £0.75. She pays with a £5 note. How much change does she get?

- ☐ A) £1.35
- ☐ B) £1.45
- ☐ C) £1.55
- ☐ D) £1.65
- ☐ E) £1.85

2 A coat originally costs £64. In a sale, 1/4 is taken off the price. What is the sale price?

(2)

3 Four friends have a mean of £15 in their savings jars. Dawit, Isla and Ravi have £12, £18 and £14 in their jars. How much does the fourth friend, Poppy, have?

- ☐ A) £12
- ☐ B) £14
- ☐ C) £15
- ☐ D) £16
- ☐ E) £18

4 Amir thinks of a number. He trebles it, then subtracts 9, and the result is 30. What number did Amir think of?

(2)

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5 A jug holds 1.8 litres of water. Lucia pours the water equally into 6 identical glasses. How many millilitres of water go into each glass?

- [ ] A) 180 ml
- [ ] B) 200 ml
- [ ] C) 30 ml
- [ ] D) 360 ml
- [ ] E) 300 ml

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6 A 500 g box of cereal costs £2.30, and a 750 g box costs £3.15. Which box offers better value for money, and what is its price per 100 g?

- [ ] A) 750 g box at 42p per 100 g
- [ ] B) 500 g box at 46p per 100 g
- [ ] C) 750 g box at 45p per 100 g
- [ ] D) Both are the same value, at 44p per 100 g
- [ ] E) 500 g box at 40p per 100 g

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Mark scheme · 2.21-2 Worded Problems Set B: 10-minute Pack

Question 1

D) £1.65, from £5.00 - £3.35	**B1**

Answer: D) £1.65

Question 2

finds the discount = 64 / 4 = £16	**M1**
£48	**A1**

Answer: £48

Question 3

total = 4 x 15 = 60; known total = 12 + 18 + 14 = 44	**M1**
D) £16 (60 - 44)	**A1**

Answer: D) £16

Question 4

30 + 9 = 39	**M1**
13	**A1**

Answer: 13

Question 5

converts 1.8 litres to 1800 ml	**M1**
E) 300 ml (1800 / 6)	**A1**

Answer: E) 300 ml

Question 6

finds both unit prices: 500 g = 46p per 100 g, 750 g = 42p per 100 g	**M1**
A) 750 g box at 42p per 100 g	**A1**

Answer: A) 750 g box at 42p per 100 g

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