2.8 Money Problems: 10-minute Pack

GL ASSESSMENT GL · Calculators not allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 A scooter costs £242. Tariq has £59 and saves £12 each week. What is the smallest number of weeks before Tariq has enough money?

- ☐ A) 16 weeks
- ☐ B) 17 weeks
- ☐ C) 20 weeks
- ☐ D) 21 weeks
- ☐ E) 15 weeks

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2 Megan has only 50p coins and 20p coins in her purse. She has 17 coins altogether, worth £6.10 in total. Work out how many of each coin she has.

(4)

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3 Elin is shopping for stationery. Prices are: notebook £1.40, pen £0.55, ruler £0.35, pencil case £2.20. She buys 3 notebooks, 4 pens and 1 ruler.

(a) Calculate the total cost of her shopping. **(3)**

.....

(b) She pays with two £5 notes. How much change does she receive? **(2)**

.....

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4 Daniel buys a bike for £120 and sells it for £96.

(a) Calculate his loss. **(1)**

.....

(b) Calculate his loss as a percentage of the price he paid for the bike. **(2)**

.....

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Mark scheme · 2.8 Money Problems: 10-minute Pack

Question 1

correct option A (16 weeks) cao	**B1**

Answer: A) 16 weeks

Question 2

Sets up two correct equations or a correct systematic method, e.g. x + y = 17 and 5x + 2y = 61 (oe)	**M1**
Correctly eliminates one variable or uses trial and improvement systematically	**dM1**
9 fifty-pence coins cao	**A1**
8 twenty-pence coins cao, ft	**A1**

Answer: 9 fifty-pence coins and 8 twenty-pence coins

Question 3

(a) 3 x 1.40 and 4 x 0.55 (oe), both values attempted	**M1**
(a) Adds all three amounts including the ruler (oe)	**M1**
(a) 6.75 cao	**A1**

(a) Answer: £6.75

(b) 10.00 - their (a) (ft)	**M1**
(b) 3.25 cao	**A1**

(b) Answer: £3.25

Question 4

(a) 24 cao	**B1**

(a) Answer: £24

(b) their (a) / 120 (ft)	**M1**
(b) 20% cao	**A1**

(b) Answer: 20%

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