2.21-3 Worded Problems Set C: 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 Priya buys a birthday card for £1.85 and a gift bag for £0.95. She pays with a £5 note. How much change does she get?

(1)

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2 Two garden plots share a delivery of fertiliser in the ratio 7:5. Altogether 96 kg of fertiliser is used. How many more kilograms does the larger plot receive than the smaller plot?

(2)

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3 The sum of two numbers is 58. One number is 12 more than the other. What are the two numbers?

(2)

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4 A charity receives 84 donated books. 2/7 of the books are cookbooks. How many of the books are not cookbooks?

(2)

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5 Petrol costs £1.48 per litre. Mrs Achebe puts 35 litres of petrol into her car. How much does this cost?

(2)

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6 Priti has a dentist appointment at 15:30. She wants to arrive 10 minutes early, and the journey there takes 25 minutes. What is the latest time she should leave home?

(2)

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Mark scheme · 2.21-3 Worded Problems Set C: 10-minute Pack

Question 1

£2.20, from £5.00 - £2.80 **B1**

Answer: £2.20

Question 2

total parts = 12, one part = 96 / 12 = 8 kg **M1**

16 kg, from (7 - 5) x 8 or 56 - 40 **A1**

Answer: 16 kg

Question 3

sets up 2x + 12 = 58, or equivalent, and finds 2x = 46 **M1**

23 and 35 **A1**

Answer: 23 and 35

Question 4

finds cookbooks = 2/7 x 84 = 24 **M1**

60 books **A1**

Answer: 60 books

Question 5

sets up 1.48 x 35, for example as 1.48 x 30 + 1.48 x 5 **M1**

£51.80 **A1**

Answer: £51.80

Question 6

finds target arrival time = 15:30 - 0:10 = 15:20 **M1**

14:55, after subtracting the 25 minute journey **A1**

Answer: 14:55

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