2.21-4 Worded Problems Set D: 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 Ibrahim buys a comic for £2.15 and a bag of sweets for £0.60. He pays with a £5 note. How much change does he get?

(1)

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2 Two allotments share a delivery of manure in the ratio 5:3. Altogether 64 kg of manure is used. How many more kilograms does the larger allotment receive than the smaller allotment?

(2)

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3 The sum of two numbers is 46. One number is 8 more than the other. What are the two numbers?

(2)

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4 A bookshop receives 96 new books. 3/8 of the books are fiction. How many of the books are not fiction?

(2)

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5 Diesel costs £1.52 per litre. Mr Kowalski puts 30 litres of diesel into his van. How much does this cost?

(2)

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6 Reuben has a train to catch at 07:52. He wants to arrive 8 minutes early, and the walk to the station takes 17 minutes. What is the latest time he should leave home?

(2)

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Mark scheme · 2.21-4 Worded Problems Set D: 10-minute Pack

Question 1

£2.25, from £5.00 - £2.75 **B1**

Answer: £2.25

Question 2

total parts = 8, one part = 64 / 8 = 8 kg **M1**

16 kg, from (5 - 3) x 8 or 40 - 24 **A1**

Answer: 16 kg

Question 3

sets up 2x + 8 = 46, or equivalent, and finds 2x = 38 **M1**

19 and 27 **A1**

Answer: 19 and 27

Question 4

finds fiction books = 3/8 x 96 = 36 **M1**

60 books **A1**

Answer: 60 books

Question 5

sets up 1.52 x 30, for example as 1.52 x 3 x 10 **M1**

£45.60 **A1**

Answer: £45.60

Question 6

finds target arrival time = 07:52 - 0:08 = 07:44 **M1**

07:27, after subtracting the 17 minute walk **A1**

Answer: 07:27

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