2.47-3 Mixed Problem-Solving Paper 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 A hiker walks 21 km in 3 hours 30 minutes at a constant speed. Find her average speed, in km/h.

(3)

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2 Write these in order of size, starting with the smallest: 0.62, 5/8, 61%

(2)

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3 Chloe thinks of a number. She multiplies it by 4, then subtracts 7. The result is 33. What number did Chloe think of?

(3)

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4 A recipe for 8 muffins needs 240 g of flour. How much flour is needed to make 20 muffins, using the same recipe?

(3)

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Mark scheme · 2.47-3 Mixed Problem-Solving Paper C: 10-minute Pack

Question 1

3 hours 30 minutes = 3.5 hours	**M1**
21 / 3.5 (complete correct method)	**M1**
6 km/h cao	**A1**

Answer: 6 km/h

Question 2

converts all three values to a common form, e.g. percentages: 62%, 62.5%, 61%, or an equivalent correct comparison method	**M1**
61%, 0.62, 5/8 cao (correct order)	**A1**

Answer: 61%, 0.62, 5/8

Question 3

sets up 4x - 7 = 33 (oe)	**M1**
4x = 40 (oe), ft their equation	**M1**
10 cao	**A1**

Answer: 10

Question 4

240 / 8 = 30 (flour needed per muffin)	**M1**
30 x 20 (complete correct method)	**M1**
600 g cao	**A1**

Answer: 600 g

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