2.56-2 Non-Calculator Reasoning Paper B: Test Pack

GL ASSESSMENT GL-11PLUS-MATHS · Calculators not allowed · about 15 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Write the number six thousand and forty-seven in figures.

(1)

2 Solve 6x - 11 = 37.

(2)

3 Two numbers are in the ratio 2:9. The difference between the two numbers is 70. Find the smaller number.

(3)

4 A school bakes flapjacks for a fundraiser. A recipe for 6 people needs 240 g of butter.

(a) Work out how much butter is needed to make the recipe for 27 people. **(2)**

(b) Butter is sold in blocks of 250 g. Work out the least number of whole blocks needed to have enough butter for 27 people. **(2)**

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5 By rounding each number to 1 significant figure, estimate the value of 612 x 19.

(2)

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6 A film starts at 19:05. It lasts 2 hours 48 minutes. Work out the time the film finishes.

(2)

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Mark scheme · 2.56-2 Non-Calculator Reasoning Paper B: Test Pack

Question 1

6047 cao	**B1**

Answer: 6047

Question 2

6x = 48 (oe)	**M1**
x = 8 cao	**A1**

Answer: x = 8

Question 3

identifies that the difference of 7 parts represents 70 (oe)	**M1**
1 part = 10 (oe)	**M1**
20 cao	**A1**

Answer: 20

Question 4

(a) 240 / 6 = 40 g per person (oe)	**M1**
(a) 1080 g cao	**A1**

(a) Answer: 1080 g

(b) 1080 / 250 = 4.32 (ft from a) (oe)	**M1**
(b) 5 blocks cao, correctly rounded up	**A1**

(b) Answer: 5 blocks

Question 5

612 rounds to 600 and 19 rounds to 20 (oe)	**M1**
12000 cao	**A1**

Answer: 12000

Question 6

complete method, e.g. 19:05 + 55 min to reach 20:00, then + 1 hour 53 min remaining (oe)	**M1**
21:53 cao	**A1**

Answer: 21:53

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