2.47-6 Mixed Problem-Solving Paper F: 10-minute Pack

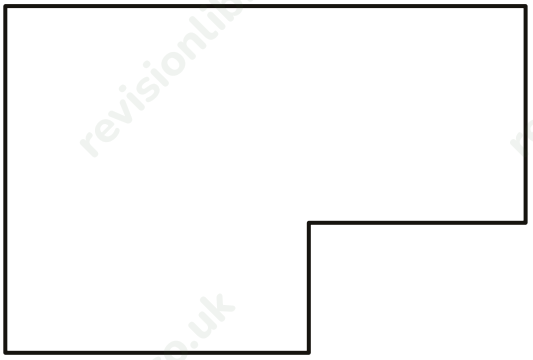
GL ASSESSMENT GL-11PLUS-MATHS · Calculators not allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 An L-shaped room is formed by cutting a 5 m by 3 m rectangular corner out of a 12 m by 8 m rectangle. Find the area of the L-shaped room.



(3)

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2 Find the mean of these six numbers: 4, 9, 13, 20, 16, 10.

(2)

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3 By rounding each number to the nearest 10, estimate the value of 38 x 21.

(2)

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4 A shop has 240 items in stock. 35% of the stock is sold in one day. How many items are left in stock?

(3)

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5 A crate contains 84 oranges. 2/7 of the oranges are bruised. How many oranges are not bruised?

(2)

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Mark scheme · 2.47-6 Mixed Problem-Solving Paper F: 10-minute Pack

Question 1

12 x 8 = 96 m² (area of the full rectangle)	**M1**
5 x 3 = 15 m² (area removed)	**M1**
81 m² cao	**A1**

Answer: 81 m^2

Question 2

4 + 9 + 13 + 20 + 16 + 10 = 72 (oe)	**M1**
12 cao	**A1**

Answer: 12

Question 3

rounds to 40 and 20 (oe)	**M1**
800 cao	**A1**

Answer: 800

Question 4

10% of 240 = 24, so 35% = 24 x 3.5 (oe)	**M1**
35% of 240 = 84 (items sold)	**M1**
156 cao	**A1**

Answer: 156

Question 5

84 / 7 = 12, so 2/7 of 84 = 24 (bruised oranges)	**M1**
60 cao	**A1**

Answer: 60

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