7.9 Perimeter, Area and Volume: 10-minute Pack

Calculators not allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 A rectangle has perimeter 30 m. One side is 8 m. Work out the length of the side next to it.

Diagram NOT accurately drawn



8 m

Perimeter = 30 m

(2)

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2 A rectangle is 28 mm long and 6 mm wide.

What is its perimeter?

Answer: ___ mm

(2)

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3 A ribbon is 5 m long. Hana cuts it into pieces that are each 20 cm long.

How many pieces does Hana cut?

Answer: ___

(2)

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4 A playground has a rectangular patch of sand 9 m by 4 m. A square seesaw area of 2 m by 2 m is inside the sand. What is the area of sand not covered by the seesaw?

(1)

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5 A model made from identical small cubes has three layers. The bottom layer is 4 by 3 cubes, the middle is 3 by 3, the top is 2 by 3. How many cubes are in the model? Explain your method.

(2)

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Mark scheme · 7.9 Perimeter, Area and Volume: 10-minute Pack

A correct answer earns full marks unless the question asks for working, a method, proof or explanation.

Question 1

Use perimeter formula 2(l + w)=30 or show 2 x (8 + w) = 30	**M1**
7 m cao	**B1**

Answer: **7 m**

Question 2

adds all four sides or doubles l + w	**M1**
68 mm cao	**A1**

Answer: **68 mm**

Question 3

5 m = 500 cm seen	**M1**
25 cao	**A1**

Answer: **25**

Question 4

32 m² cao	**B1**

Answer: **32 m²**

Question 5

Add each layer: 12 + 9 + 6 or show correct layer totals	**M1**
27 cubes cao	**B1**

Answer: **27**

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