8.7 Reasoning: Measures and Geometry: 10-minute Pack

Calculators not allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 A circle has radius 6 cm. What is its diameter?

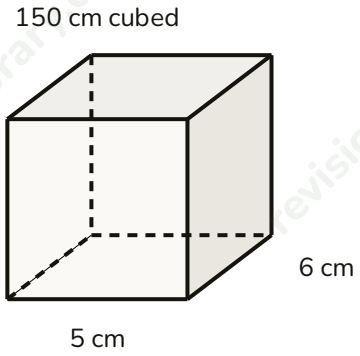
(1)

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2 A cuboid has a volume of 150 cm cubed. Its length is 5 cm and its width is 6 cm.

What is its height?

Answer: ___ cm



(2)

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3 A regular dodecagon has sides of length 20 m.

What is its perimeter?

Answer: ___ m

(2)

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4 A rectangle is 29 m long and 5 m wide.

What is its area in square metres?

Answer: ___

(1)

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5 Use 1 foot = 30 cm.

A strip of card is 270 cm long. How long is it in feet?

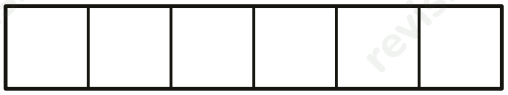
Answer: ___ feet

(1)

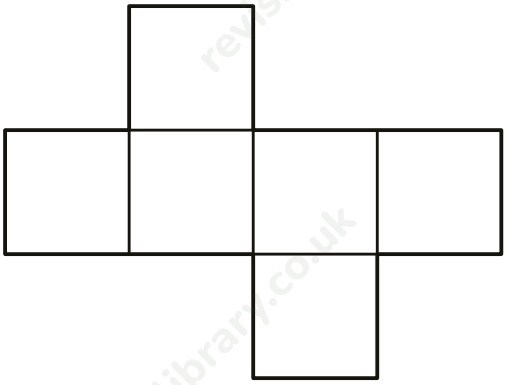
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6 Here are three nets of solids labelled A, B and C. Which net could make a cube? Explain your answer.

A



B



C



- ☐ A
- ☐ B
- ☐ C

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Mark scheme · 8.7 Reasoning: Measures and Geometry: 10-minute Pack

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

Question 1

12 cm cao	**B1**

Answer: **12 cm**

Question 2

5 x 6 = 30 seen	**M1**
5 cm cao	**A1**

Answer: **5 cm**

Question 3

12 x 20	**M1**
240 m cao	**A1**

Answer: **240 m**

Question 4

145 square metres cao	**B1**

Answer: **145 square metres**

Question 5

9 cao	**B1**

Answer: **9**

Question 6

Correct net named, for example B cao	**B1**
Reason given that the net has six squares arranged so opposite faces can fold without overlap or gap oe	**B1**

Answer: **B**

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