2.11 Perimeter, Area and Volume: 10-minute Pack

GL ASSESSMENT GL · Calculators not allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

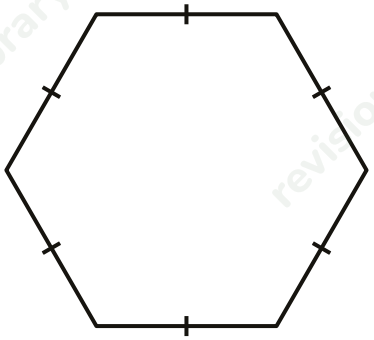
Answer ALL questions. Show all your working.

1 A rectangle has length 8 cm and width 5 cm. Calculate the area of the rectangle.

(2)

2 A regular hexagon has sides of length 5 cm. Calculate the perimeter of the hexagon.

Diagram NOT accurately drawn

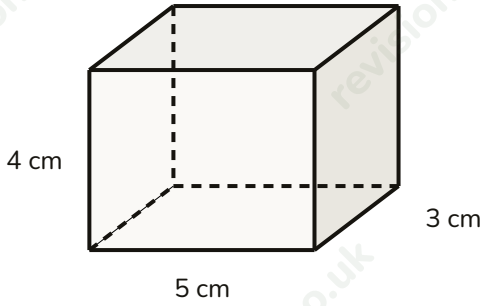


(not to scale)

(2)

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3 A cuboid has length 5 cm, width 3 cm and height 4 cm. Calculate the total surface area of the cuboid.

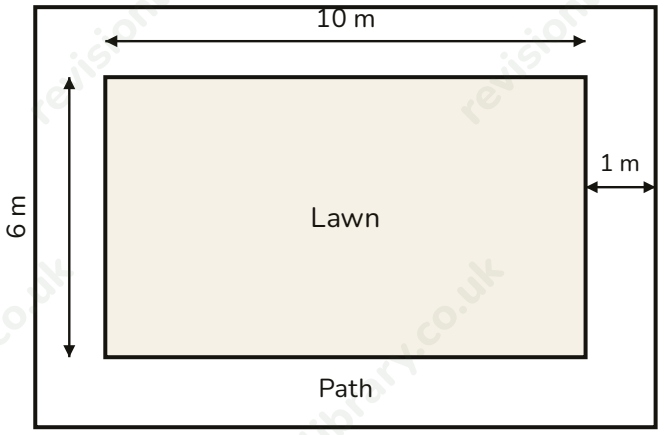


(3)

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4 A rectangular lawn measures 10 m by 6 m. A path of uniform width 1 m is built all the way around the outside of the lawn. Calculate the area of the path only.

Diagram NOT accurately drawn



(not to scale)

(4)

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Mark scheme · 2.11 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

8 x 5 seen	**M1**
40 cm² cao	**A1**

Answer: 40 cm^2

Question 2

6 x 5 seen (or 5 added six times)	**M1**
30 cm cao	**A1**

Answer: 30 cm

Question 3

three face areas found: 5x3 = 15, 5x4 = 20, 3x4 = 12	**M1**
15 + 20 + 12 = 47 doubled	**M1**
94 cm² cao	**A1**

Answer: 94 cm^2

Question 4

outer dimensions found: 12 m by 8 m	**M1**
outer area 12 x 8 = 96 m²	**M1**
lawn area 10 x 6 = 60 m²	**M1**
36 m² cao (ft 96 - their lawn area)	**A1**

Answer: 36 m^2

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