# 2.11-2 Perimeter, Area and Volume: Practice Set 2: 10-minute Pack

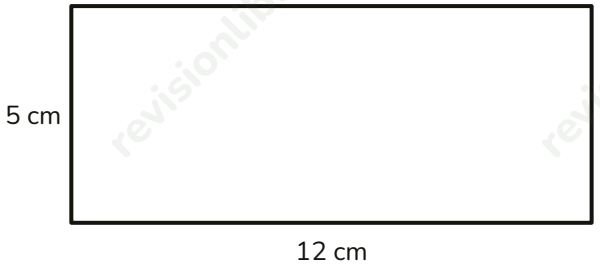
GL ASSESSMENT GL · Calculators not allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

**Answer ALL questions. Show all your working.**

**1** A rectangle has length 12 cm and width 5 cm. Calculate the area of the rectangle.

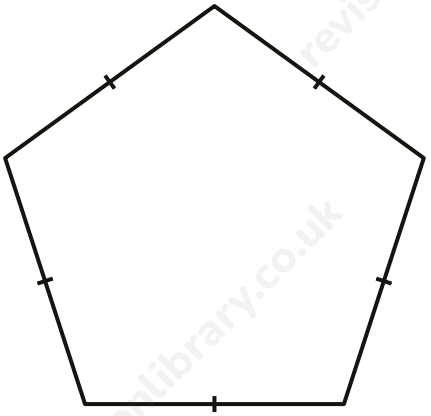



**(2)**


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**2** A regular pentagon has sides of length 6 cm. Calculate the perimeter of the pentagon.

Diagram NOT accurately drawn

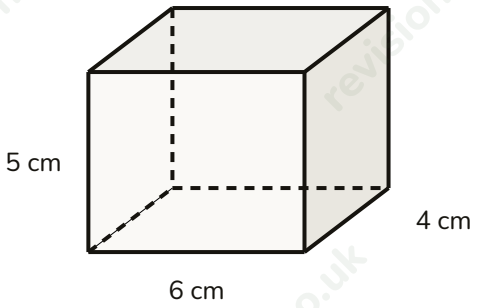



(not to scale)

**(2)**


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**3** A cuboid has length 6 cm, width 4 cm and height 5 cm. Calculate the total surface area of the cuboid.

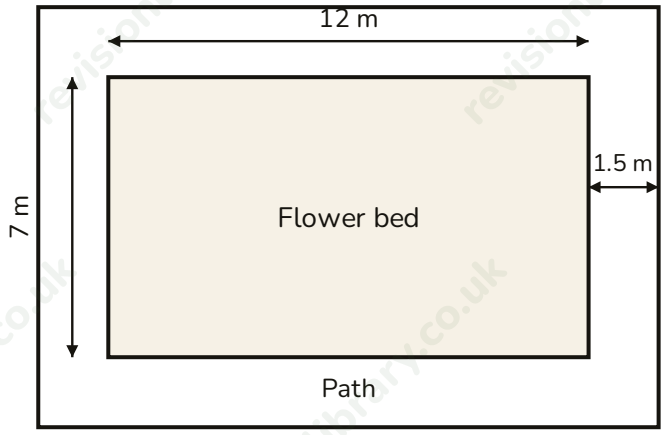



**(3)**

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**4** A rectangular flower bed measures 12 m by 7 m. A path of uniform width 1.5 m is built all the way around the outside of the flower bed. Calculate the area of the path only.

Diagram NOT accurately drawn




*(not to scale)*

**(4)**


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# Mark scheme · 2.11-2 Perimeter, Area and Volume: Practice Set 2: 10-minute Pack

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

## Question 1

| | |
|---|---|
| 12 * 5 seen | **M1** |
| 60 cm² cao | **A1** |

**Answer: 60 $cm^2$**

## Question 2

| | |
|---|---|
| 5 * 6 seen (or 6 added five times) | **M1** |
| 30 cm cao | **A1** |

**Answer: 30 cm**

## Question 3

| | |
|---|---|
| three face areas found: 6*4 = 24, 6*5 = 30, 4*5 = 20 | **M1** |
| 24 + 30 + 20 = 74 doubled | **M1** |
| 148 cm² cao | **A1** |

**Answer: 148 $cm^2$**

## Question 4

| | |
|---|---|
| outer dimensions found: 15 m by 10 m | **M1** |
| outer area 15 * 10 = 150 m² | **M1** |
| flower bed area 12 * 7 = 84 m² | **M1** |
| 66 m² cao (ft 150 - their bed area) | **A1** |

**Answer: 66 $m^2$**


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