

Delta 1

Unit 9 Review (Non-Calculator)

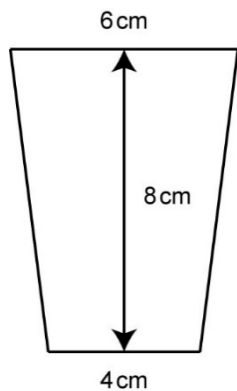
Perimeter, Area and Volume

How well did you do:

Perimeter, Area and Volume	Score = $\frac{\quad}{40}$	
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<i>Topics/skills which need to be revisited:</i>	<i>Questions from the Review</i>	<i>Further Practice from Delta 1</i>
- Find area of trapezium - Find area of triangle	1 2, 10	- P226 Q6 - P225 Q2
Find area and/or perimeter of compound shape	3, 9, 11	P226 Q4
Understand relation between net of a solid and it's 3D version	6, 12	Watch this
- Find surface area of a cuboid - Find surface area of a compound solid	4 14	- P227 Q2 - n/a
Find volume of a cuboid	5, 7	P227 Q4
Convert between units of measurement for volume	8, 13	P228 Q6,7

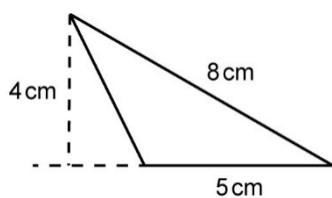
- 1 Find the area of this trapezium.



.....cm²

(2 marks)

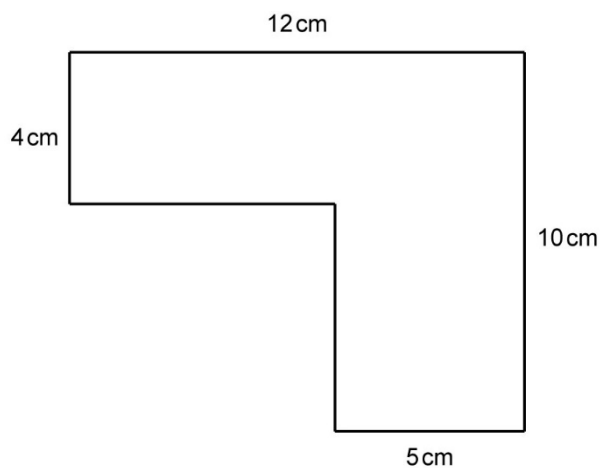
- 2 Find the area of this triangle.



.....cm²

(2 marks)

- 3 a Work out the area of this shape made from rectangles.



.....cm²

- b Work out its perimeter.

.....cm

(3 marks)

- 4 A cuboid has edges of length 5 cm, 6 cm, 4 cm.

Work out the total surface area of the cuboid.

.....cm²

(2 marks)

- 5 A fish tank is in the shape of a cuboid.

The base of the tank is 45 cm by 20 cm.

Sam pours in water to a depth of 15 cm.

Work out the amount of water that he poured in.

Give your answer in litres.

...../

(3 marks)

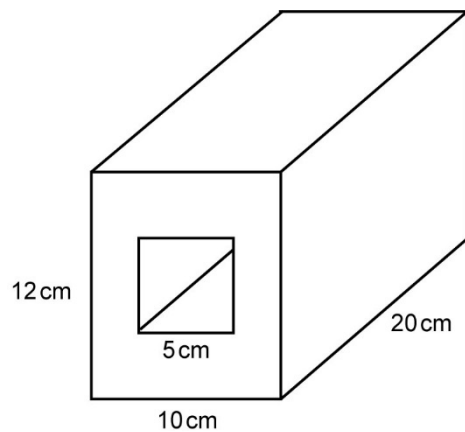
- 6 A cube has 2 opposite faces coloured red, 2 opposite faces coloured blue and the other faces coloured green.

Sketch the net of this cube, showing the colour of each face.

.....

(2 marks)

- 7 Here is a block of wood with a hole drilled all the way through it.
The cross section of the hole is square with side 5 cm.



Work out the volume of the wood.

.....cm³

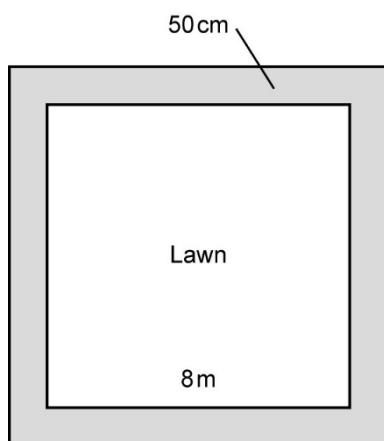
(3 marks)

- 8 Change a volume of 50 cm³ to mm³.

.....mm³

(2 mark)

- 9 The diagram shows a lawn and a path.



The lawn is square with sides of length 8 m.

The path is 50 cm wide and goes all round the lawn.

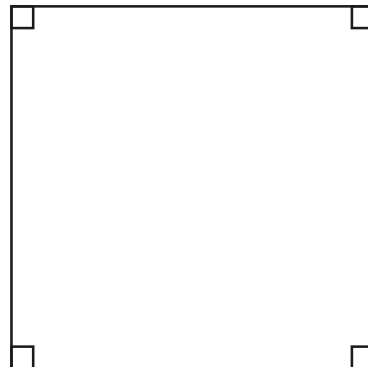
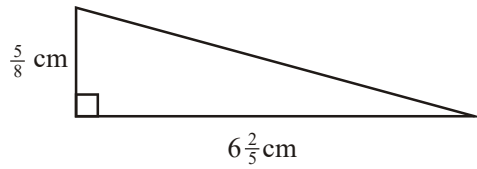
Work out the area of the path. Give your answer in m².

.....m²

(2 marks)

10.

Diagrams **NOT**
accurately drawn



The area of the square is 18 times the area of the triangle.

Work out the **perimeter** of the square.

..... cm
(Total 5 marks)

11.

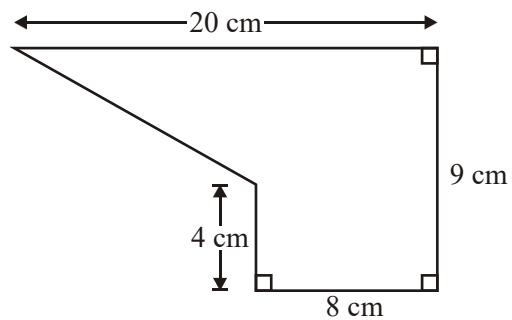


Diagram **NOT**
accurately drawn

The diagram shows a shape.
Work out the area of the shape.

..... cm²
(Total 4 marks)

12. Here is a net of a cube.

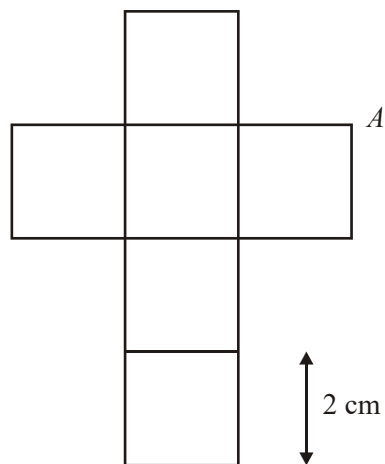


Diagram **NOT**
accurately drawn

The net is folded to make the cube.
Two other vertices meet at *A*.

- (a) Mark each of them with the letter *A*.

(2)

The length of each edge of the cube is 2 cm.

- (b) Work out the volume of the cube.

.....cm³

(2)

(Total 4 marks)

13. Change 1.2 cubic metres to cubic centimetres.

..... cubic centimetres

(Total 2 marks)

14.

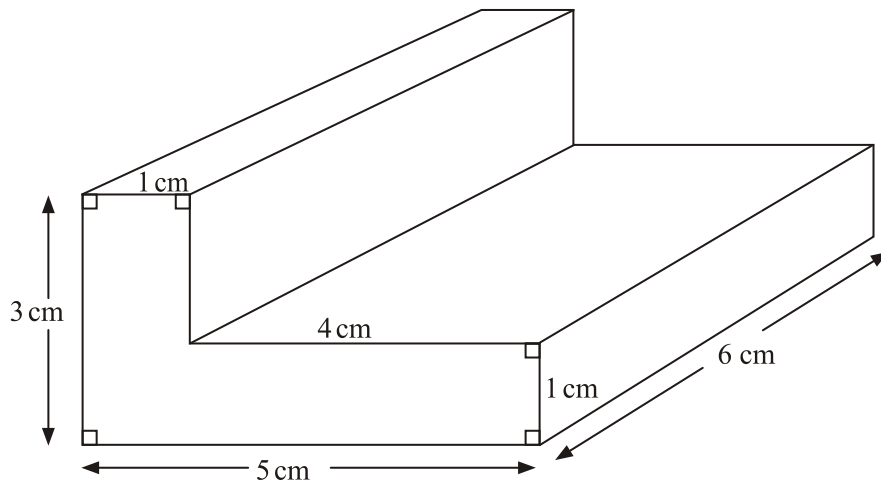


Diagram **NOT**
accurately drawn

Work out the total surface area of the L-shaped prism.
State the units with your answer.

.....
(Total 4 marks)

END OF REVIEW