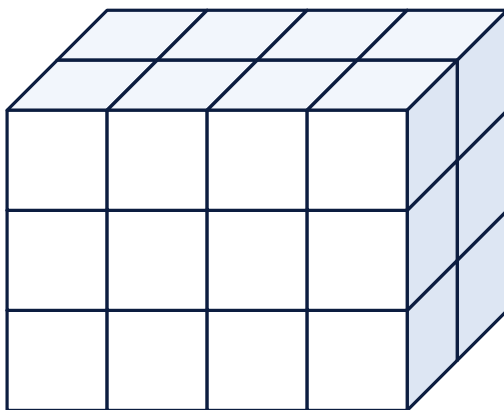




Scan for the solutions

Name: _____ **Date:** _____ **Score:** _____ / 29

- 1** This cuboid is made from centimetre cubes. There are no gaps inside it.
The cuboid is 4 cubes long, 2 cubes deep and 3 cubes high.
Work out the volume of the cuboid.



(1 mark)

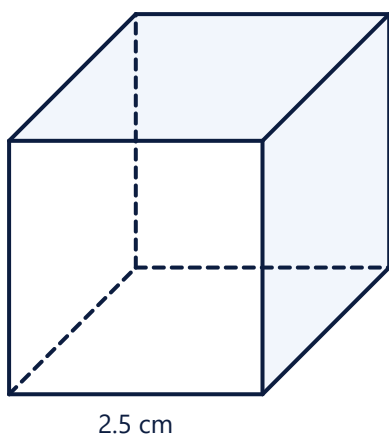
Answer _____

- 2** A cuboid measures 6 cm by 4 cm by 3 cm.
Work out the volume of the cuboid.
State the units of your answer.

(2 marks)

Answer _____

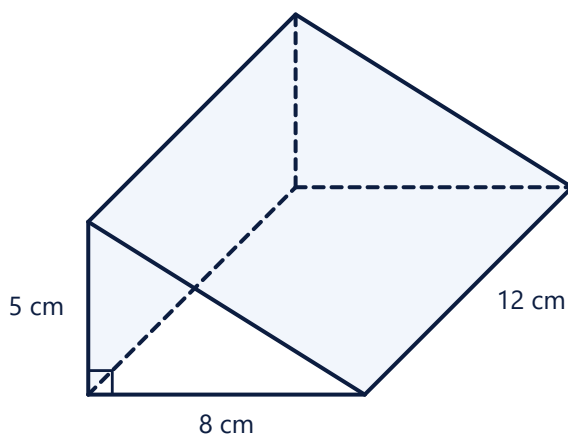
- 3 A dice is a cube with edges of length 2.5 cm.
Work out the volume of the dice.



(2 marks)

Answer _____

- 4 The cross-section of a prism is a right-angled triangle with base 8 cm and height 5 cm.
The length of the prism is 12 cm.
Work out the volume of the prism.



(3 marks)

Answer _____

5

A box of chocolates is a triangular prism.

The triangle at the end has a base of 10 cm and a height of 6 cm. The box is 15 cm long.

Work out the volume of the box.

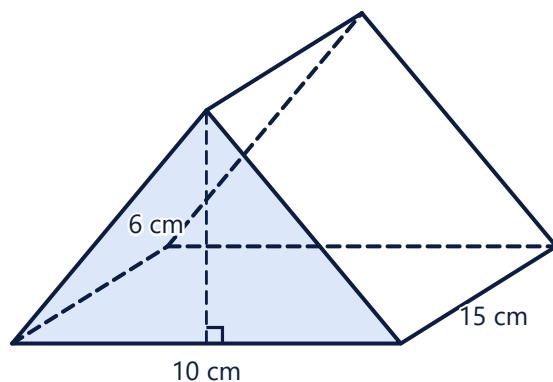


Diagram NOT accurately drawn

(2 marks)

Answer _____

6

A cuboid has a volume of 180 cm^3 .

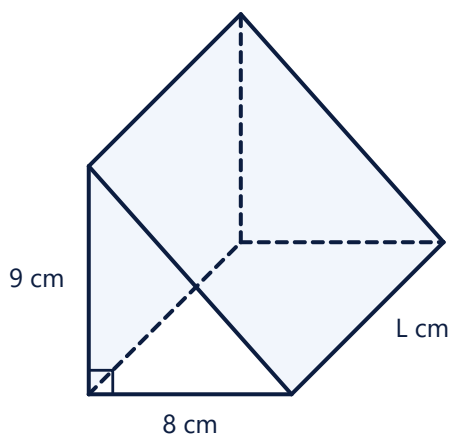
The base of the cuboid measures 6 cm by 5 cm.

Work out the height of the cuboid.

(3 marks)

Answer _____

- 7** The cross-section of this prism is a right-angled triangle with base 8 cm and height 9 cm.
The volume of the prism is 360 cm^3 .
Work out the length, L , of the prism.



(3 marks)

Answer _____

- 8** Ayesha has a cube of modelling clay with edges of 6 cm.
She reshapes all of the clay into a cuboid. The cuboid is 8 cm long and 3 cm wide.
Work out the height of the cuboid.

(3 marks)

Answer _____

- 9** A doorstep is a triangular prism. Its cross-section is a right-angled triangle with shorter sides 6 cm and 4 cm. The doorstep is 15 cm long.
A cuboid has the same volume as the doorstep. The base of the cuboid measures 5 cm by 3 cm.
Work out the height of the cuboid.

(3 marks)

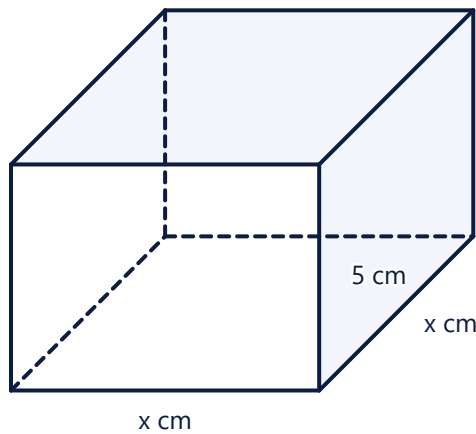
Answer _____

- 10** A box is a cuboid measuring 60 cm by 40 cm by 30 cm.
Packets of tea are cuboids measuring 10 cm by 8 cm by 6 cm.
The packets are packed into the box so that they fill it completely with no gaps.
Work out the number of packets that fill the box.

(4 marks)

Answer _____

- 11** A cuboid has a square base with sides of x cm. The height of the cuboid is 5 cm.
The volume of the cuboid is 180 cm^3 .
Work out the value of x .



(3 marks)

Answer _____

End of questions | Total 29 marks