

## FIND THE VOLUME 1



Find the length, width and height of each of the rectangular prisms. Use the information to work out the volume. In all the examples, a cube represents a cubic cm.

### Volume of a rectangular prism

To find the volume of a rectangular prism, we need to multiply the length by the width by the height.

$$\text{Volume} = \text{length} \times \text{width} \times \text{height} \text{ or } l \times w \times h$$

The volume of a rectangular prism is the same as the number of cubes that fit inside it.

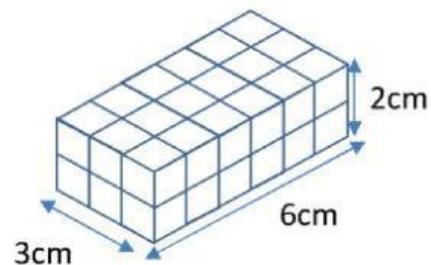
### Example

Length is 3cm.

Width is 6cm.

Height is 2cm.

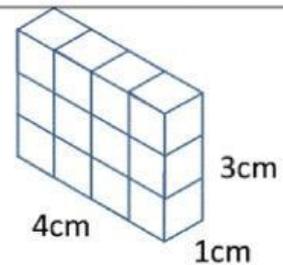
Volume is  $6 \times 3 \times 2 = 36\text{cm}^3$



1)

Length: \_\_\_ cm Width: \_\_\_ cm Height: \_\_\_ cm

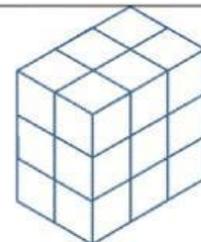
Volume: \_\_\_ x \_\_\_ x \_\_\_ = \_\_\_  $\text{cm}^3$



2)

Length: \_\_\_ cm Width: \_\_\_ cm Height: \_\_\_ cm

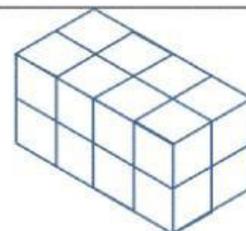
Volume: \_\_\_ x \_\_\_ x \_\_\_ = \_\_\_  $\text{cm}^3$



3)

Length: \_\_\_ cm Width: \_\_\_ cm Height: \_\_\_ cm

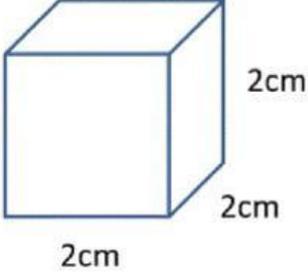
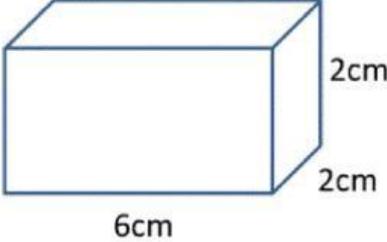
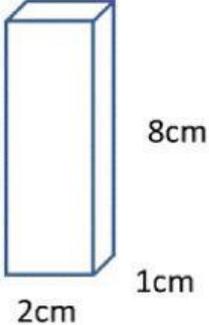
Volume: \_\_\_ x \_\_\_ x \_\_\_ = \_\_\_  $\text{cm}^3$

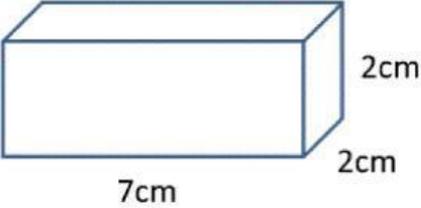
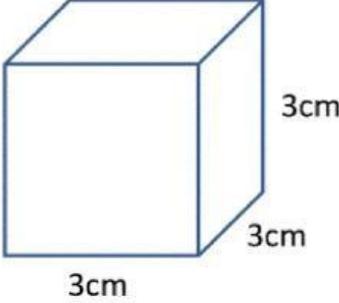
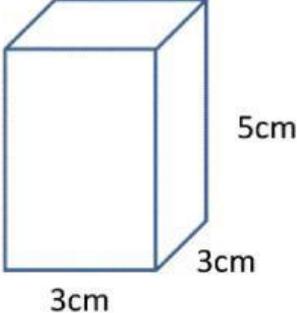


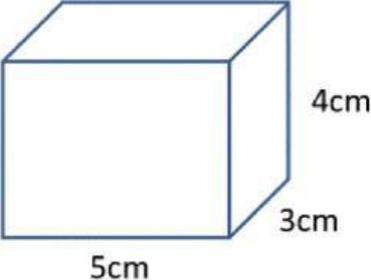
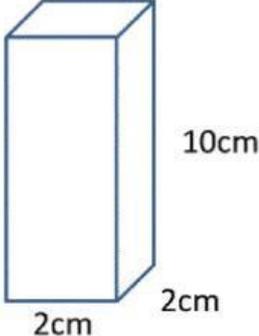
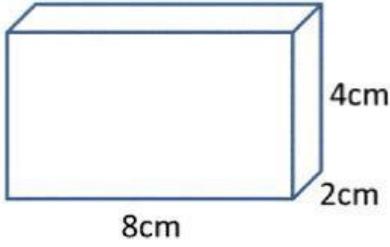
## FIND THE VOLUME 2 (METRIC)



Find the volume of these rectangular prisms. They are not to scale!

 <p>2cm 2cm 2cm</p>	 <p>6cm 2cm 2cm</p>	 <p>8cm 2cm 1cm</p>
Volume = _____	Volume = _____	Volume = _____

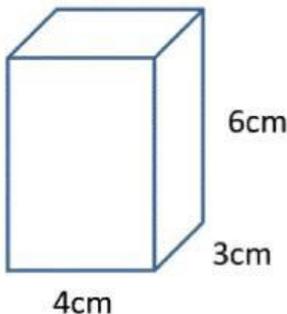
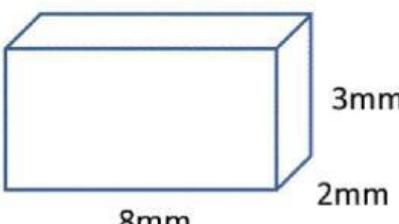
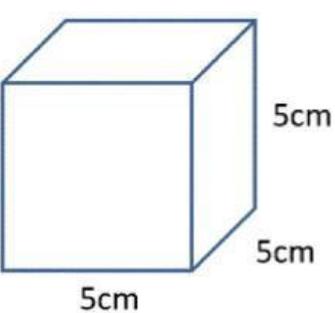
 <p>7cm 2cm 2cm</p>	 <p>3cm 3cm 3cm</p>	 <p>5cm 3cm 3cm</p>
Volume = _____	Volume = _____	Volume = _____

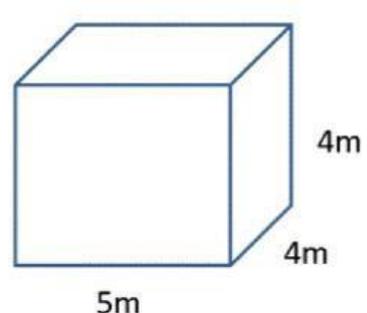
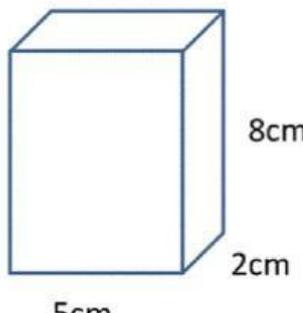
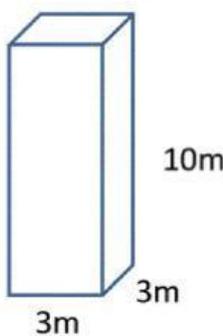
 <p>5cm 4cm 3cm</p>	 <p>10cm 2cm 2cm</p>	 <p>8cm 4cm 2cm</p>
Volume = _____	Volume = _____	Volume = _____

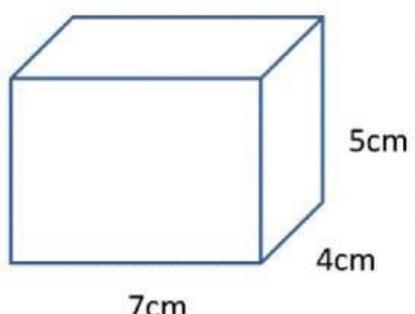
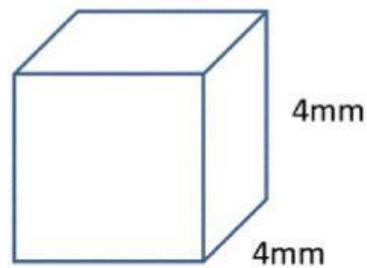
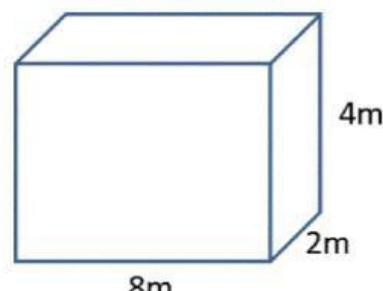
## FIND THE VOLUME 3 (METRIC)



Find the volume of these rectangular prisms. They are not to scale!

		
Volume = _____	Volume = _____	Volume = _____

		
Volume = _____	Volume = _____	Volume = _____

		
Volume = _____	Volume = _____	Volume = _____