



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.

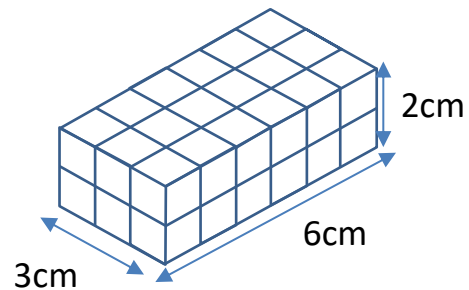
Example

Length is 3cm.

Width is 6cm.

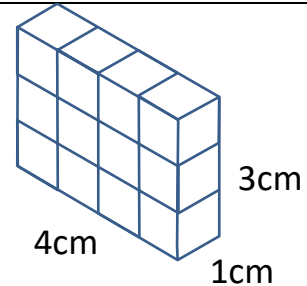
Height is 2cm.

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



1)
Length: ___ cm Width: ___ cm Height: ___ cm

Volume: ___ x ___ x ___ = ___ cm^3



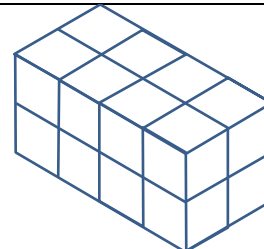
2)
Length: ___ cm Width: ___ cm Height: ___ cm

Volume: ___ x ___ x ___ = ___ cm^3



3)
Length: ___ cm Width: ___ cm Height: ___ cm

Volume: ___ x ___ x ___ = ___ cm^3



Name

Date

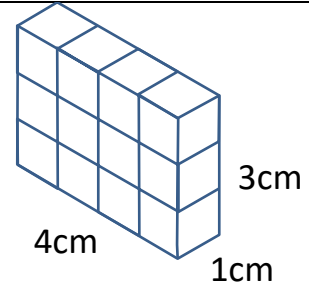


FIND THE VOLUME 1 ANSWERS

1)

Length: 4 cm Width: 1 cm Height: 3 cm

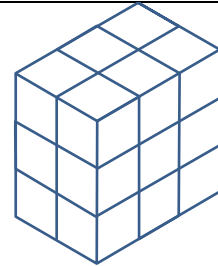
Volume: 4 x 1 x 3 = 12 cm³



2)

Length: 2 cm Width: 3 cm Height: 3 cm

Volume: 2 x 3 x 3 = 18 cm³



3)

Length: 4 cm Width: 2 cm Height: 2 cm

Volume: 4 x 2 x 2 = 16 cm³

