## Volume

3D shapes have volume. length $\times$ height $\times$ depth $=$ volume

$4 \mathrm{~cm} \times 2 \mathrm{~cm} \times 3 \mathrm{~cm}=24 \mathrm{~cm}^{3}$
When measuring the volume of a shape we have 3 measurements to consider.
This is how we have the name cubic centimetres $\mathrm{cm}^{3}$
This is how we can call 3D shapes 3 dimensional, because they have 3 dimensions.

This is different to area, where we only have 2 measurements.


## Which volume is the correct measurement?

## $2 \times 2 \times 4$

## 20 cubic units



15 cubic units


When we are finding the volume of a 3d shape, we are looking for the total amount of space that object takes up.

When we have objects that are made up of cubes, we can simply count the total number of cubes to find the volume.

Can you find the volume?

## Which volume is the correct measurement?

## $3 \times 2 \times 5$



29 cubic units


## Which volume is the correct measurement?

$2 x \quad x$


18 cubic units

