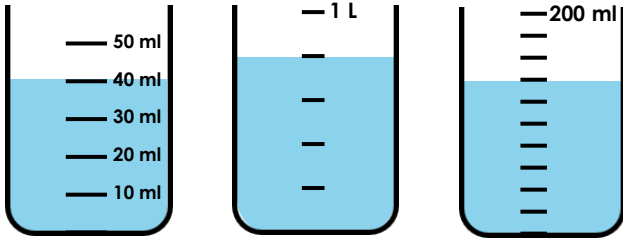


# What is Volume?

1. Match the amount of liquid in each container to the correct volume.



140 cm<sup>3</sup>

40 cm<sup>3</sup>

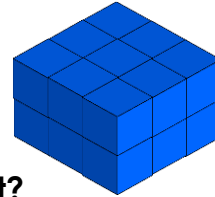
800 cm<sup>3</sup>

VF

4. Ellie is calculating the volume of her shape.



My shape has a length of 3 cubes, a width of 3 cubes and a height of 2 cubes. The volume of my cuboid is 8 cm<sup>3</sup>.

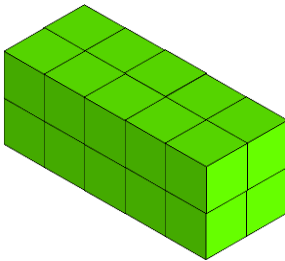


Is Ellie correct?  
Convince me.

1 cube = 1 cm<sup>3</sup>

R

2. Complete the sentences below to show the volume of this cuboid.



The cuboid is made up of \_\_\_\_\_ cubes.  
The volume of the cuboid is \_\_\_\_\_ cm<sup>3</sup>.

1 cube = 1 cm<sup>3</sup>

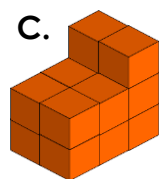
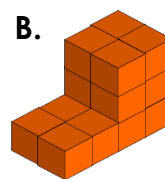
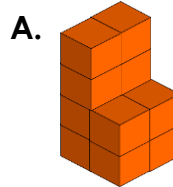
VF

5. Use the clues below to work out which shape is being described.

The shape has a width of 2 cm.

The volume of the shape is between 13 and 17 cm<sup>3</sup>.

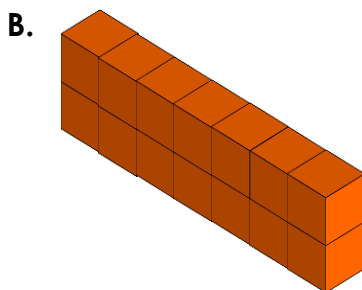
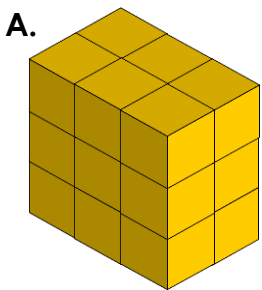
To make the shape a cuboid, I need to add 8 more cubes.



1 cube = 1 cm<sup>3</sup>

PS

3. Count the cubes to work out the volume of the cuboids below.



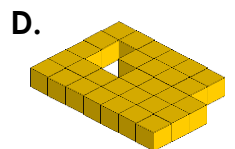
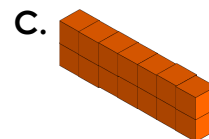
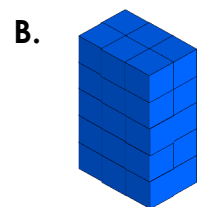
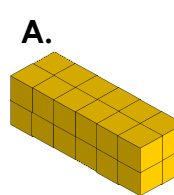
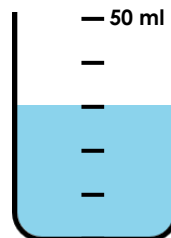
A = \_\_\_\_\_ cm<sup>3</sup>

B = \_\_\_\_\_ cm<sup>3</sup>

1 cube = 1 cm<sup>3</sup>

VF

6. Which of the cuboids below do not total the volume of liquid inside the beaker.



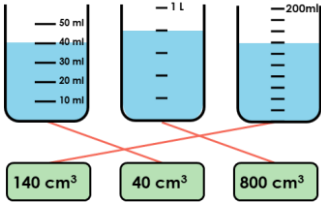
Convince me.

1 cube = 1 cm<sup>3</sup>

R

# What is Volume?

1.



2. 20; 20 cm<sup>3</sup>

3. A. 18 cm<sup>3</sup>; 14 cm<sup>3</sup>

4. Ellie is incorrect because she has added the length, width and height of the shape rather than multiplying them. The volume of the shape is 18 cm<sup>3</sup>.

5. Shape B is being described. It has a width of 2 cm, it has a volume of 16 cm<sup>3</sup> and it needs 8 more cubes to be made into a cuboid.

6. A and C do not have a volume 30 cm<sup>3</sup>, which is the volume of liquid in the container.