





chapter (





Let's investigate.

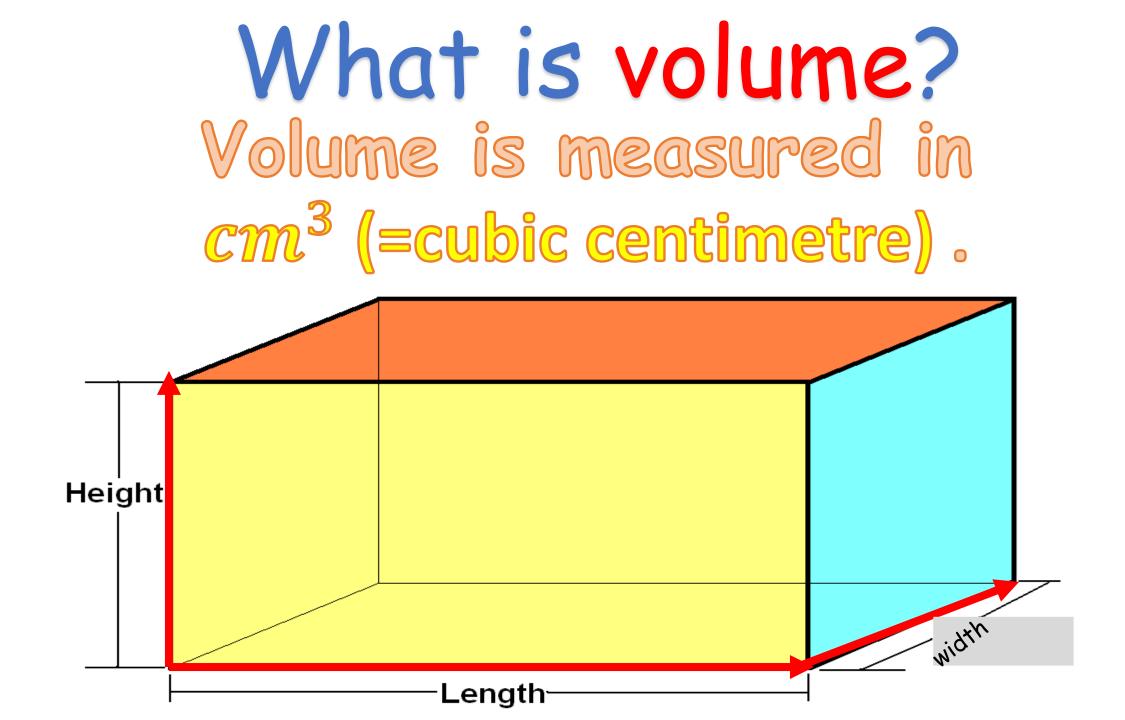
How could you find out how much space there is inside this shoe box?

The amount of space inside the box can be measured by its volume.



What is volume? The amount of space that is inside a container.

Volume can be measured only for 3D (3 dimensional) shapes.



How to measure volume:



fill

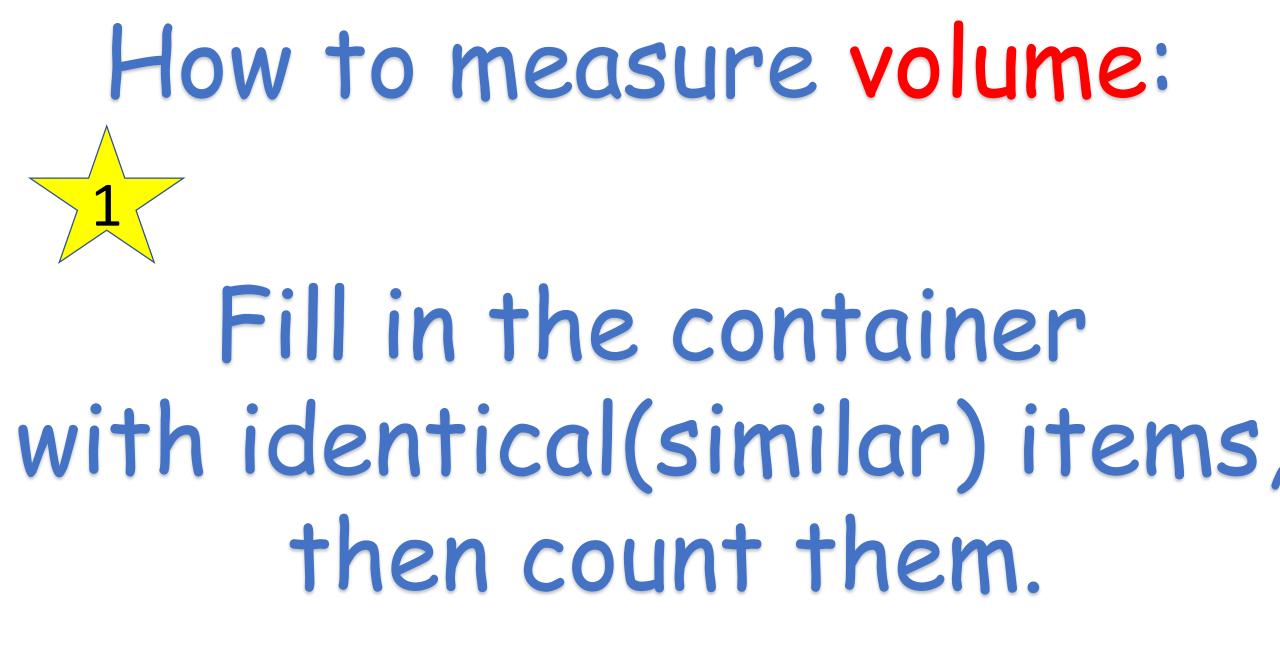


container





measure

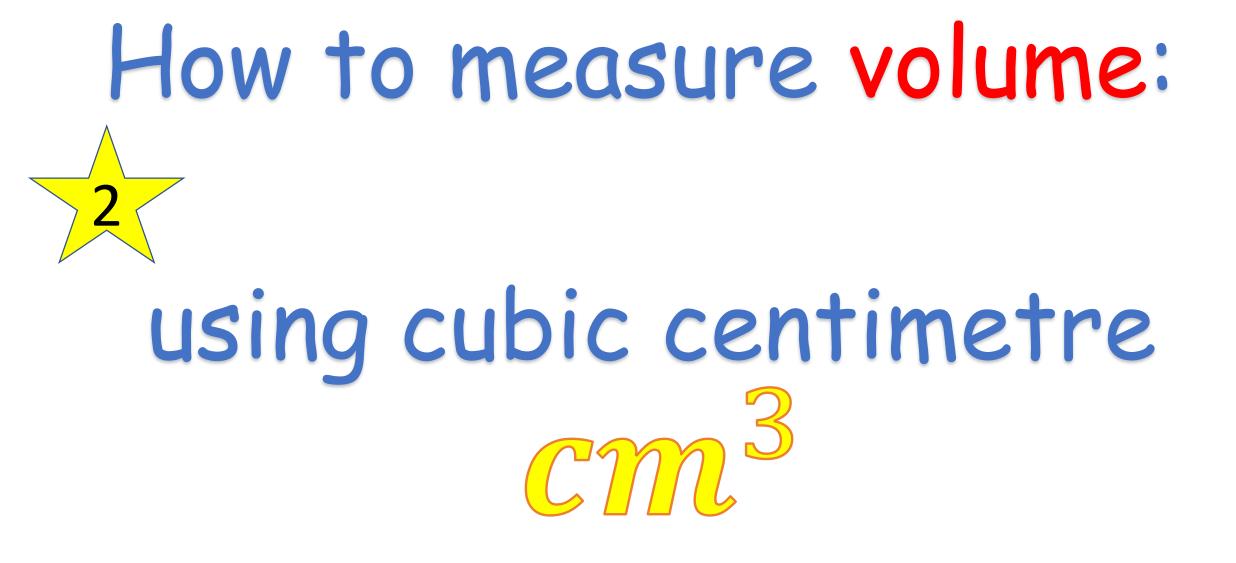


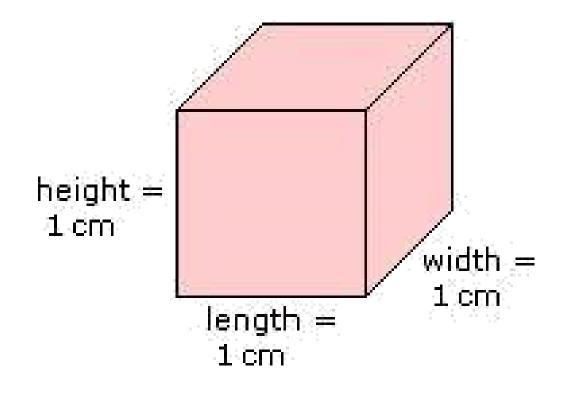
Hands-on teaching

Taking some identical cubes/sticks to the class. Putting them in a box and then saying the following target language:

This box has got a volume of (number) cubes. This box has got a volume of (number) sticks. Doing this with different objects and boxes and asking Ss to repeat the Target language after you.

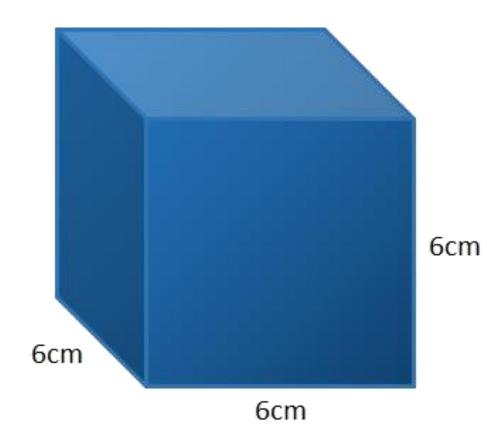
This box has got a volume of (about) (number) apples. This box has got a volume of (about) (number) bananas. Tell them (about) is used because the items do NOT fill the box completely.





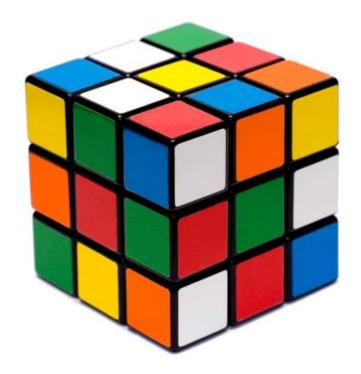
1 * 1 * 1 = 1The volume of this shape is 1 cm^3

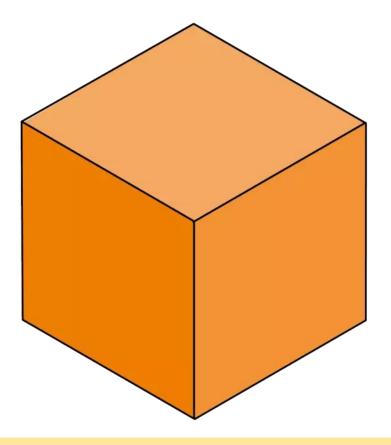
volume = height : length : width

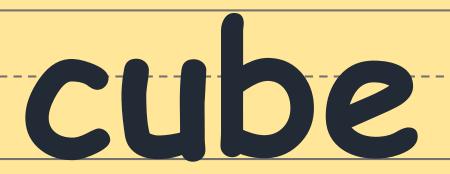


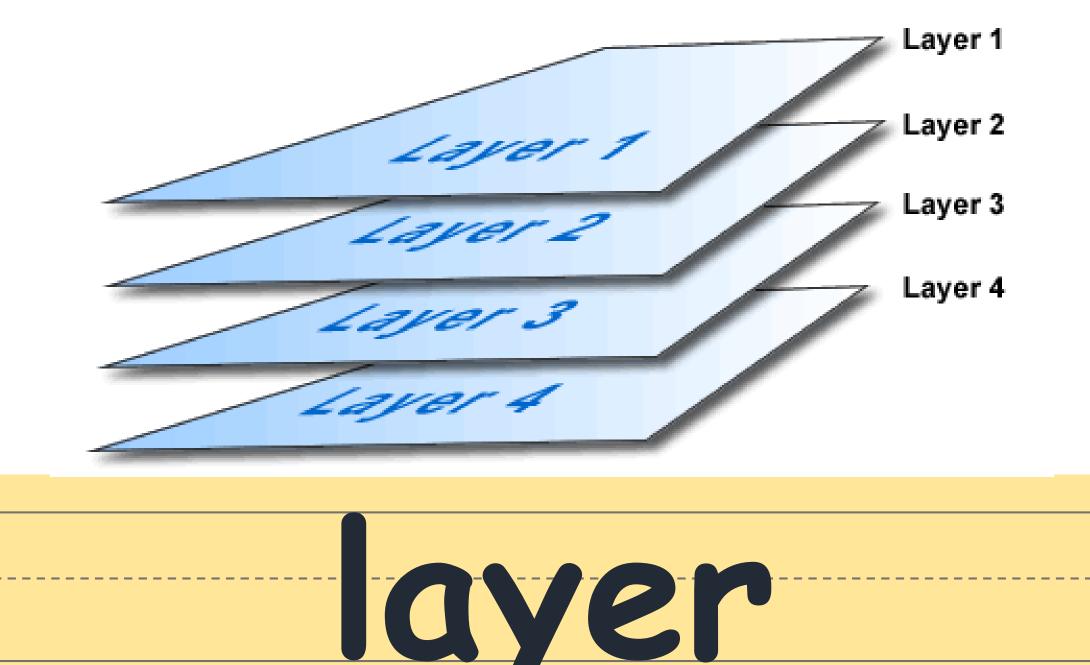
6*6*6=216The volume of this shape is 216 cm^3

volume = height : length : width





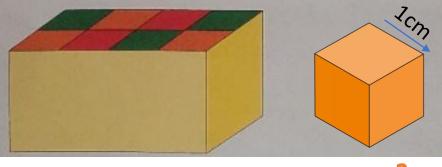


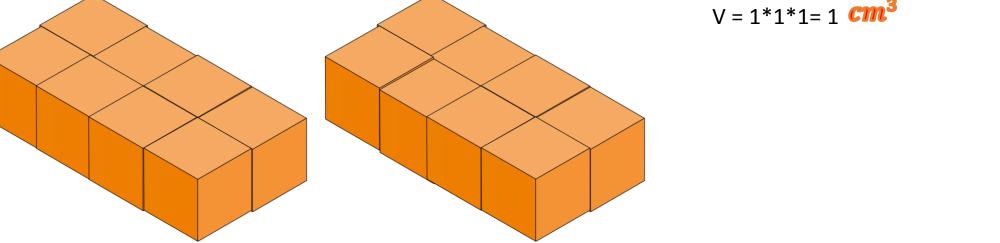


This box holds 2 layers of cubes.

There are 2 rows of 4 cubes, or 8 cubes in each layer.

So, the volume of this box is 16 cubic centimetres, or 16cm³.



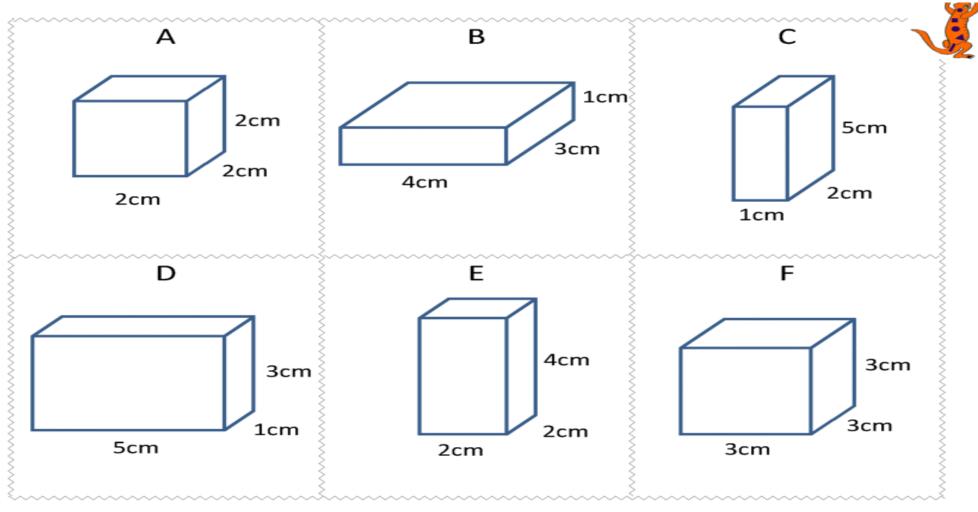


 $16 * 1 cm^3 = 16 cm^3$

Volume is the amount of s... that is inside a c. Volume can be measured only for ... shapes.

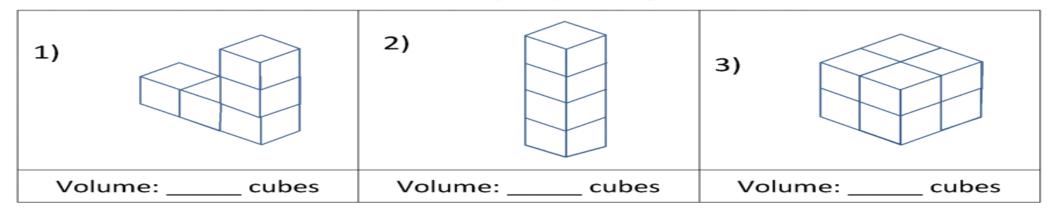
Volume is measured in

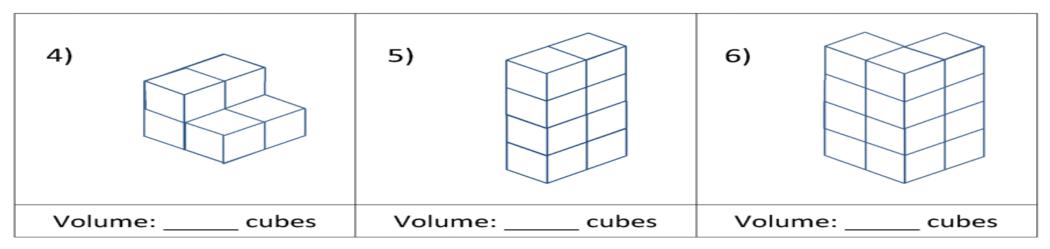
Which shape's volume is : 12 cm³ 15 cm³ 27 cm³

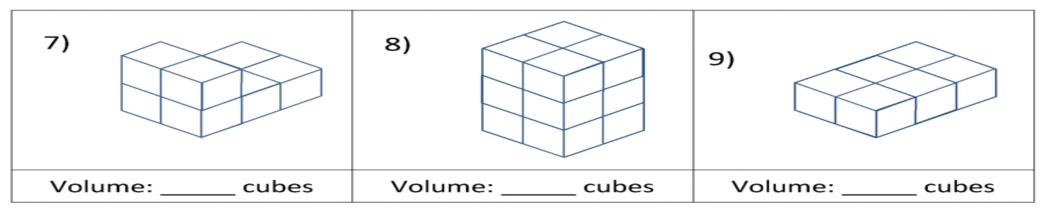


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Write down the volume of each of these shapes by working out the number of cubes.







Make each object with centimetre cubes.
Find the volume of each object.
Order the objects from least to greatest volume.

