



MATHEMATICS





Session 43

REVIEW

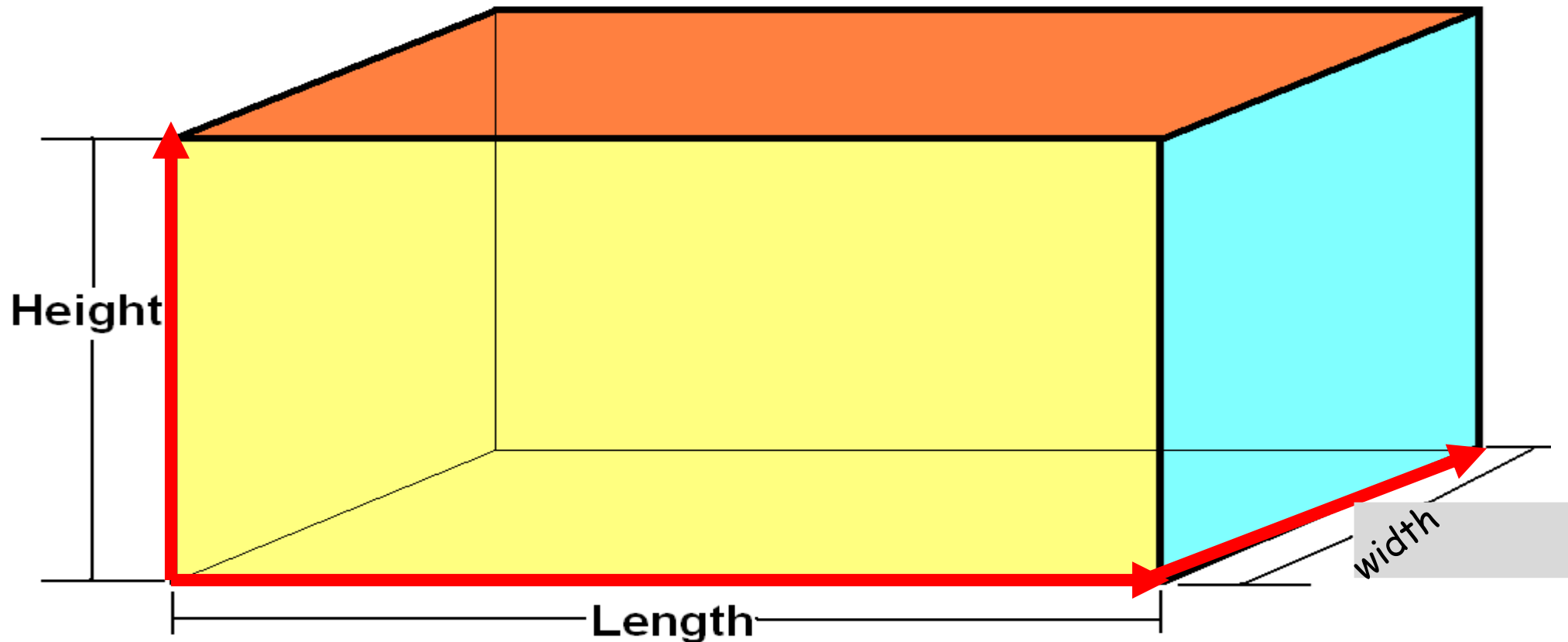
What is volume?

The amount of space
that is inside a container.

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

What is volume?

Volume is measured in cm^3 (=cubic centimetre).



How to measure **volume**:



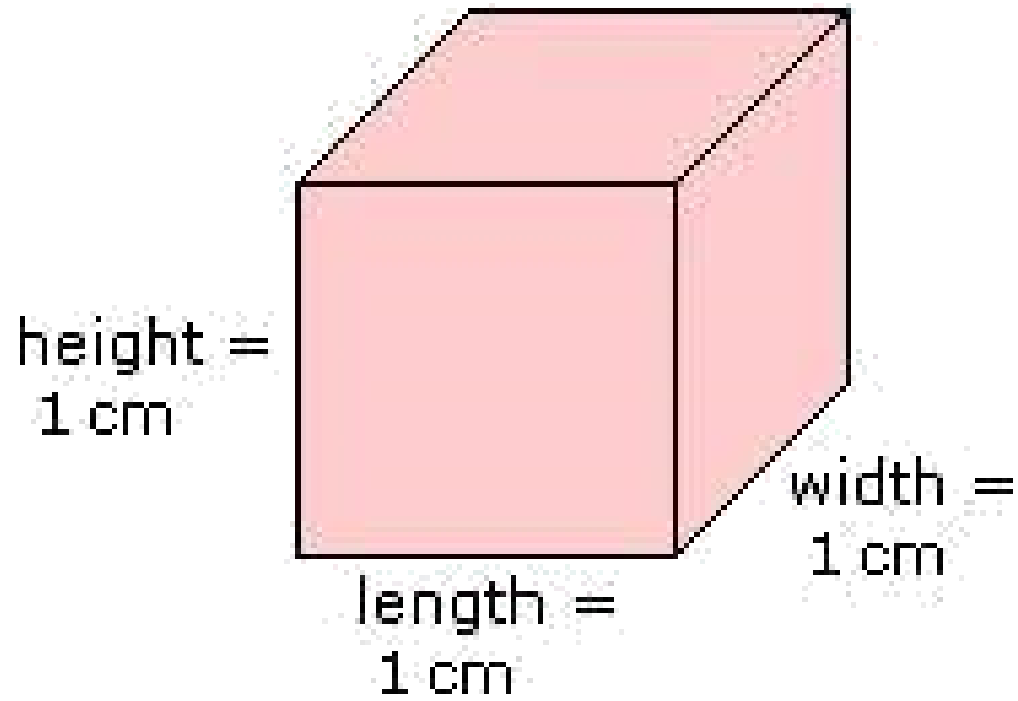
Fill in the container
with identical(similar) items,
then count them.

How to measure **volume**:



using cubic centimetre

*cm*³



$$1 * 1 * 1 = 1$$

The volume of
this shape is

$$1 \text{ cm}^3$$

$$\text{volume} = \text{height} \times \text{length} \times \text{width}$$

Volume is the amount of s...
that is inside a c... .

Volume can be measured only for
... shapes.

Volume is measured in

... .

What is capacity?

The amount of liquid inside a container can be measured by its capacity.

1 litre=1000 milliliters



SPRITE

**2.25
LITRE**

This bottle has a capacity of 2.25 liters.

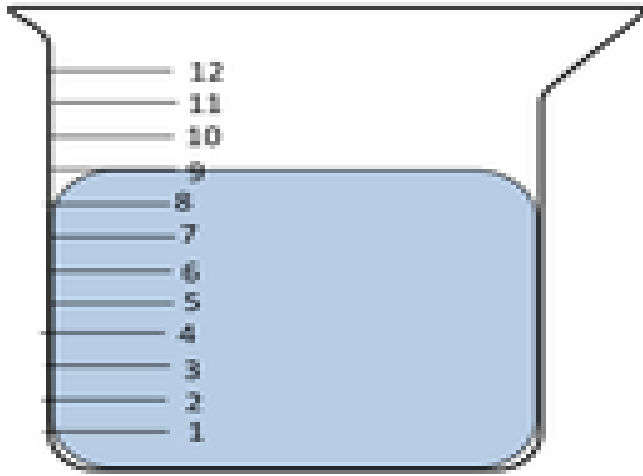


This bottle has a capacity of 1 liter.

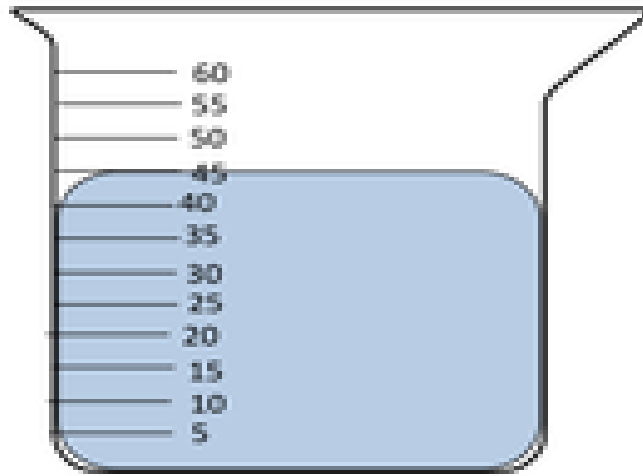
What is capacity?

The amount of l...
inside a container can be measured by
its capacity.

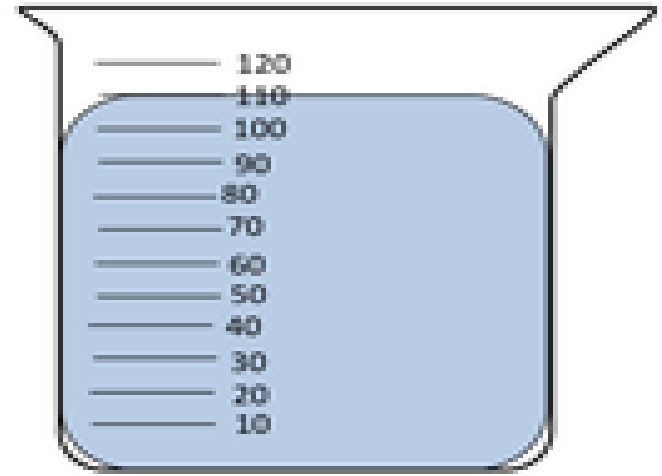
1 litre = ... milliliters



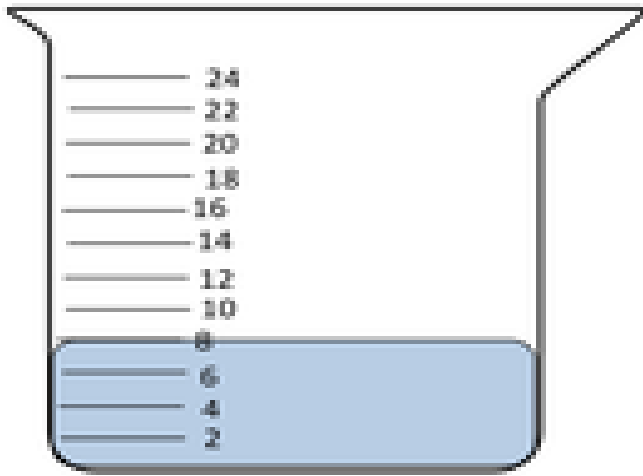
_____ ml



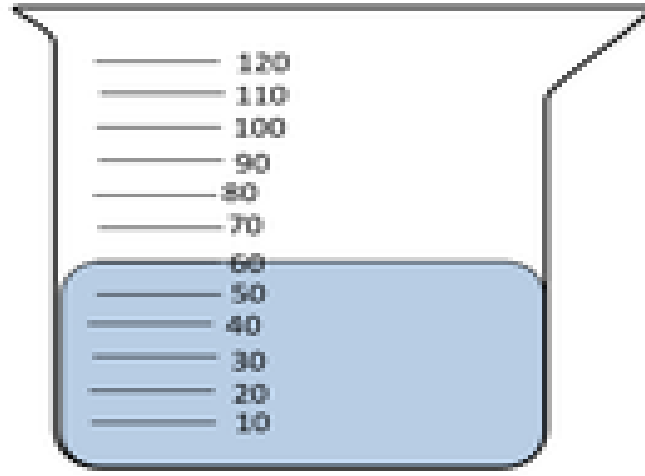
_____ ml



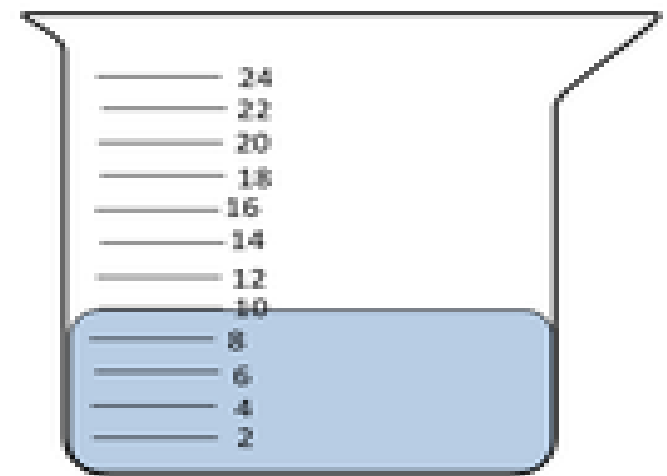
_____ ml



_____ ml



_____ ml

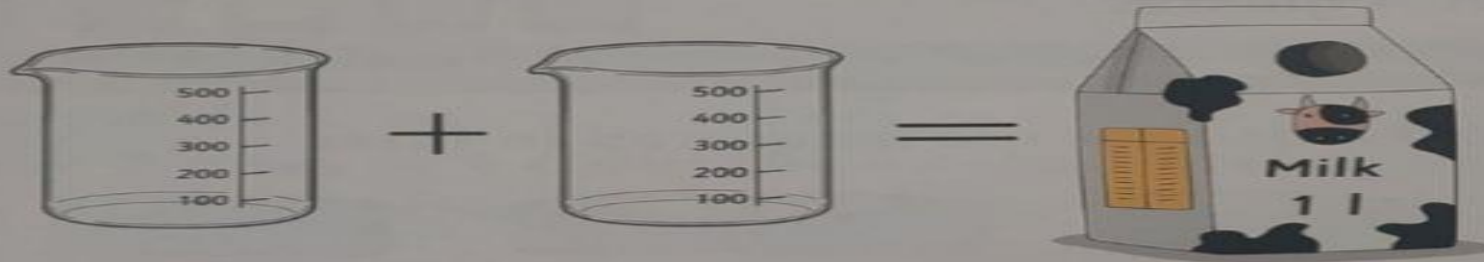
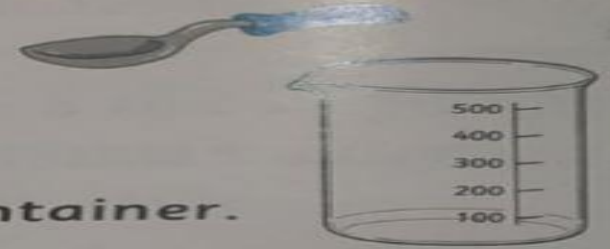


_____ ml

*** 4.3. Exploring capacity: the millilitre**

Remember

The millilitre (ml) is a small unit of capacity.
 This teaspoon has a capacity of 5 ml.
 This measuring cup has a capacity of 500 ml.
 It holds 500 ml of water.
 It takes 2 of these measuring cups to fill a 1-L container.



$500\text{ ml} + 500\text{ ml} = 1000\text{ ml}$

One litre is equal to one thousand millilitres.

$1\text{ l} = 1000\text{ ml}$

Which unit would you use to measure each amount: millilitre or litre?

- a) The amount of gasoline in a car
- b) The amount of water in a raindrop
- c) The amount of nail polish in a bottle
- d) The amount of water in a swimming pool

