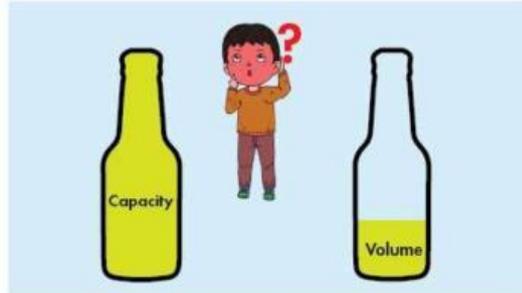


# Capacity and volume (Unit 5)

The difference between capacity and volume is that capacity is how much \_\_\_\_\_ a container can have when \_\_\_\_\_, and volume is the measurement of how much \_\_\_\_\_ there is in a space.



## Compare Capacity and Volume

1. Complete the sentences.

A.

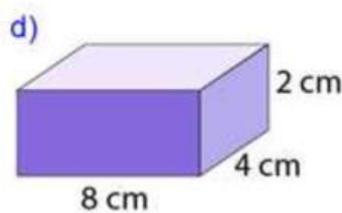
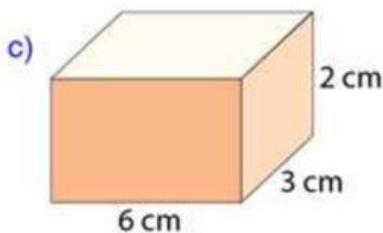
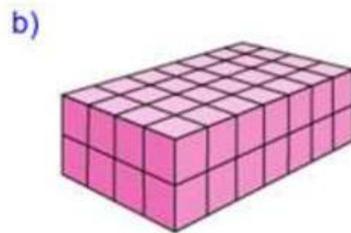
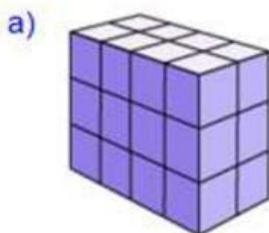
B.

C.

D.

and  have the same capacity.

There is the same volume of water in ,  and .



Volume of Cuboids and Cubes

Cross-Sectional Area

4 cm

2 cm

3 cm

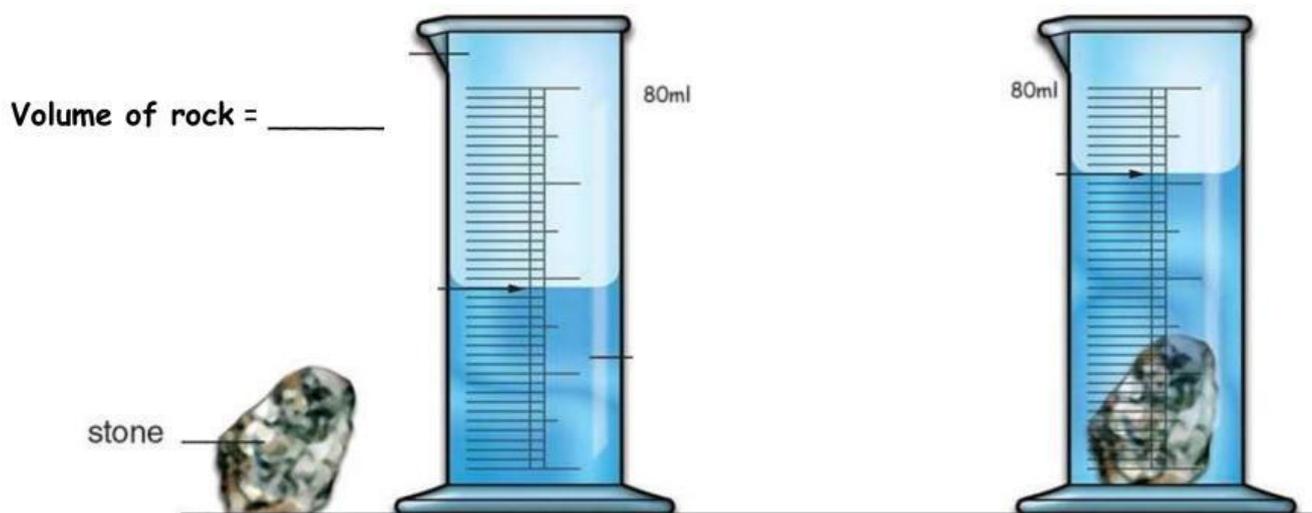
Volume = Area of Cross-Section  $\times$  Width

Area of Cross-section =  $4 \text{ cm} \times 2 \text{ cm} = 8 \text{ cm}^2$

Volume =  $8 \text{ cm}^2 \times 3 \text{ cm}$

Volume =  $24 \text{ cm}^3$

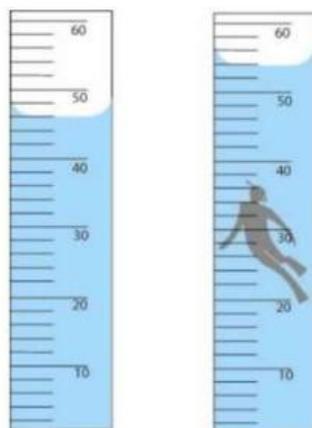
# Using the displacement method to calculate volume of irregular solids



Initial Volume = \_\_\_\_\_

Final Volume = \_\_\_\_\_

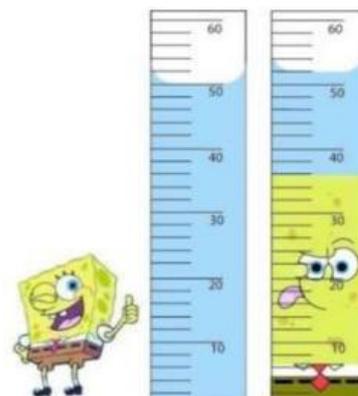
Object's volume = \_\_\_\_\_



Initial Volume = \_\_\_\_\_

Final Volume = \_\_\_\_\_

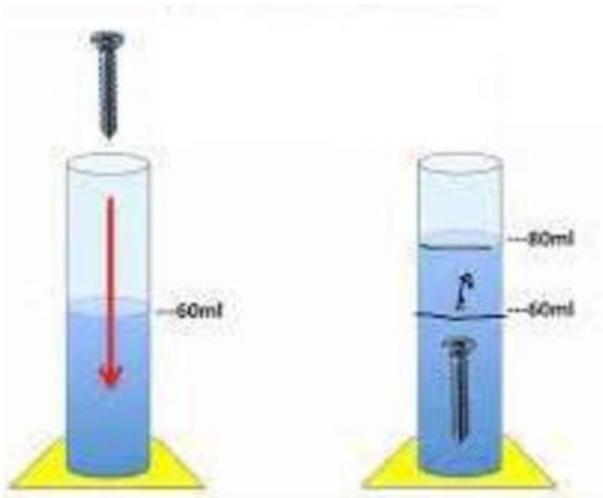
Object's volume = \_\_\_\_\_



Initial Volume = \_\_\_\_\_

Final Volume = \_\_\_\_\_

Object's volume = \_\_\_\_\_



Volume of nail = \_\_\_\_\_

## Calculating the density of solids

Density = mass  $\div$  volume

