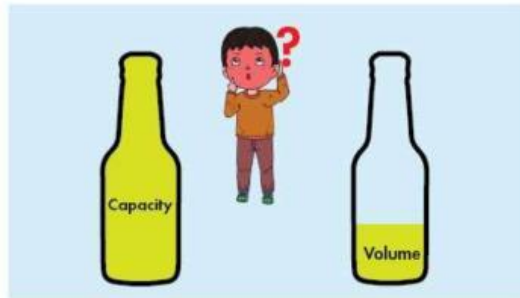


Capacity and volume (Unit 5)

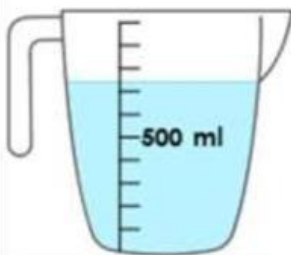
The difference between capacity and volume is that capacity is how much _____ a container can have when _____, and volume is the measurement of how much _____ there is in a space.



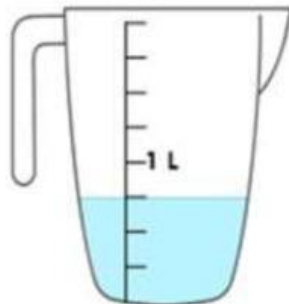
Compare Capacity and Volume

1. Complete the sentences.

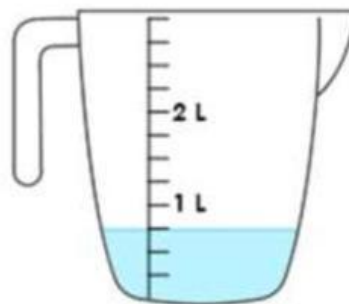
A.



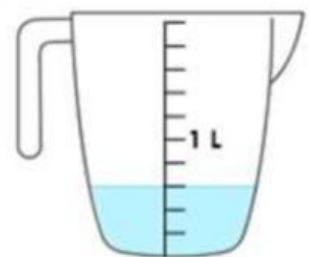
B.



C.

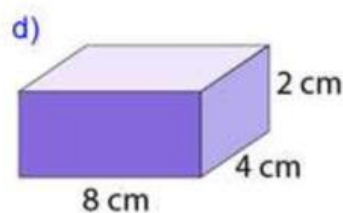
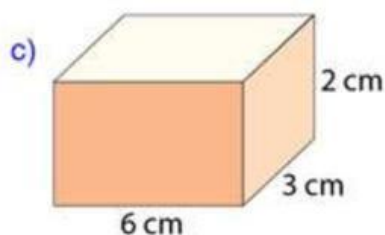
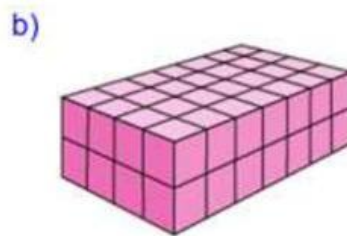
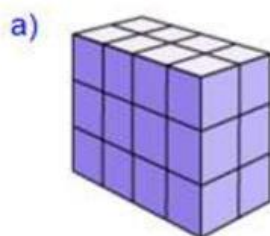


D.

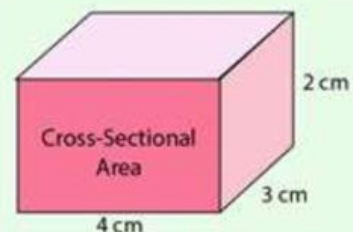


and have the same capacity.

There is the same volume of water in , and .



Volume of Cuboids and Cubes



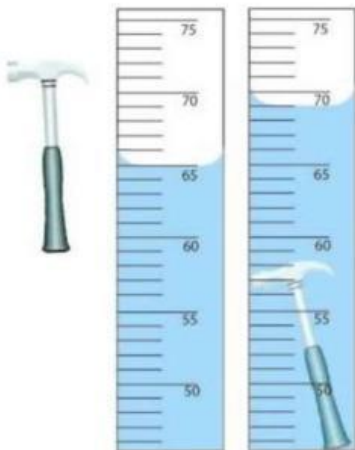
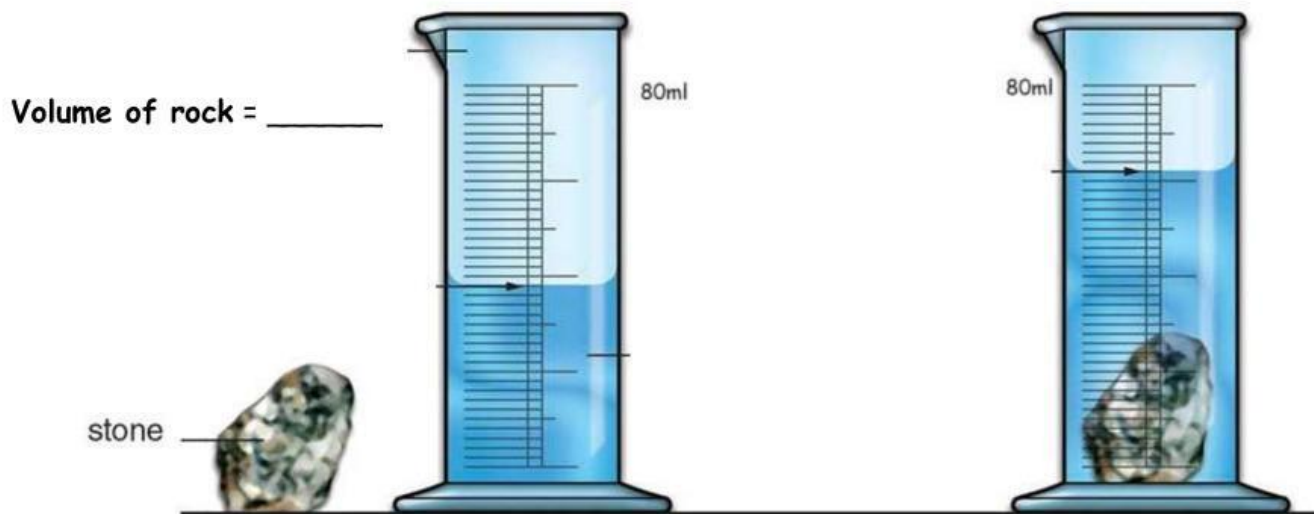
Volume = Area of Cross-Section $\times$ Width

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 cm^3

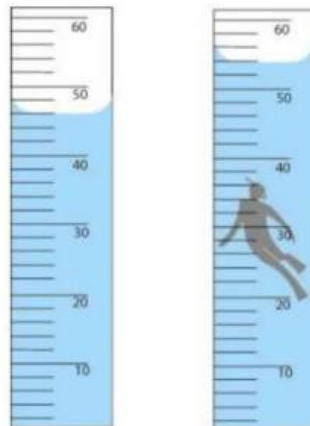
Using the **displacement method** to calculate **volume of irregular solids**



Initial Volume = _____

Final Volume = _____

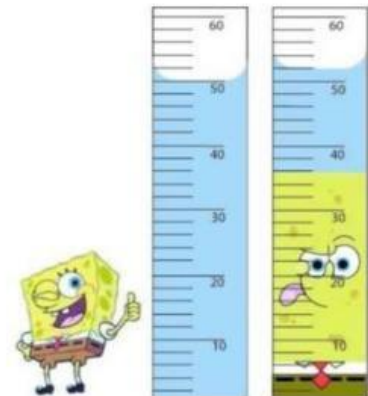
Object's volume = _____



Initial Volume = _____

Final Volume = _____

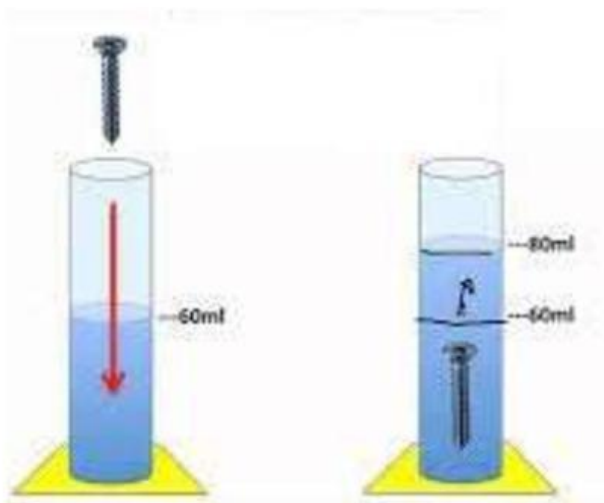
Object's volume = _____



Initial Volume = _____

Final Volume = _____

Object's volume = _____



Volume of nail = _____

Calculating the density of solids

Density = mass ÷ volume

