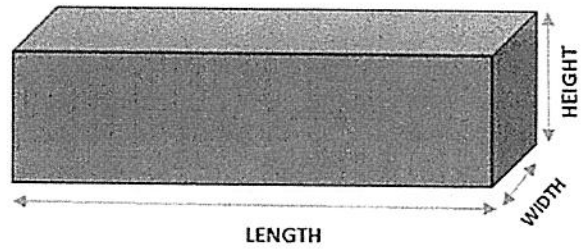


Jan 28, 2020
(notes)

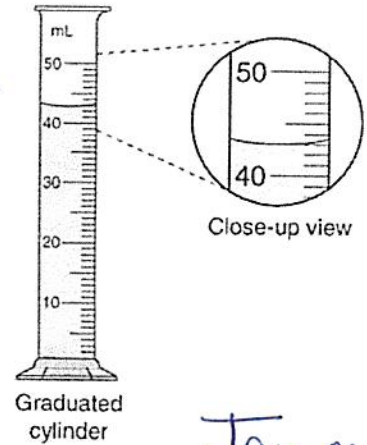
Volume:

- Amount of space something takes up or contains
- Liter is basic SI unit for liquid volume
- Measurement:
 - Depends on the material:

- regular shape -
 $L \times W \times H$
(measured with metric ruler
in cm^3)



- liquid - (measured with graduated cylinder
in mL)



- irregular shape - determined by water displacement method
(measured with graduated cylinder in mL)
- Note: $1 \text{ mL} = 1 \text{ cm}^3$

Jan 29, 2020
(notes)

Final volume - initial volume

$$\begin{array}{r} 15.0 \text{ mL} \\ - 10.0 \text{ mL} \\ \hline 5.0 \text{ mL} \end{array}$$

Volume of object
5.0 mL

10.0 mL 15.0 mL

80.0 mL 100.0 mL

Volume of object
20.0 mL

$$\begin{array}{r} 100.0 \\ - 80.0 \\ \hline 20.0 \text{ mL} \end{array}$$