

Ch 36. Measurements and Units

Quantity	SI Unit	Symbol
Length	Meter	m
Mass	Kilogram	kg
Time	Second	s
Area	Square meter	m ²
Volume	Cubic meter	m ³

Measuring Length

Straight line	Ruler/meter stick
Short curved line	Opsimeter
Long curved line	Trundle wheel
Diameter/width of solids	Vernier calipers

Measuring Area

Regular shape	Length x breadth
Irregular shape	Trace onto graph paper and count the boxes

Measuring Volume

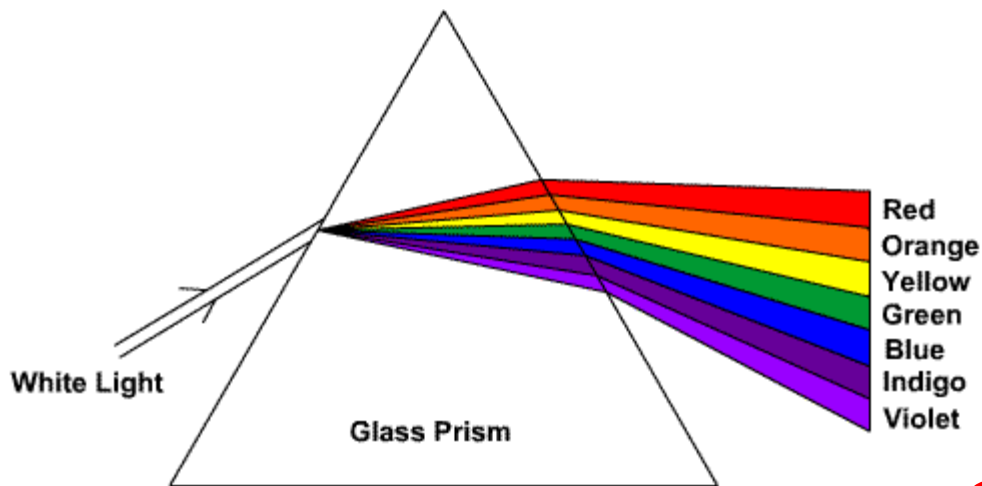
Regular shaped object	Length x height x breadth
Irregular shaped object	Place in overflow can (volume displaced = volume of object)
liquids	Graduated cylinder

Ch 37. Energy

Colours

White light is a mixture of the 7 colours of the spectrum red, orange, yellow, green, blue, indigo, violet.

Dispersion is the breaking up of white light into its seven colours. This is done using a prism



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Ch 49. Static Electricity

Electricity is a form of energy which can be converted into other forms of energy.

Static Electricity

Static Electricity is electricity that does not flow.

Friction causes the atoms of some materials to lose their electrons. A body becomes negatively charged if it gains electrons and becomes positively charged if it loses electrons.

Unlike charges attract, like charges repel.

Earthing

Earthing occurs when a charged object loses its charge to the earth through a conductor.

Lightning occurs when static electricity builds up on clouds. This static electricity earths by sparking to the ground.

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Mini-Company. These booklets were produced by
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