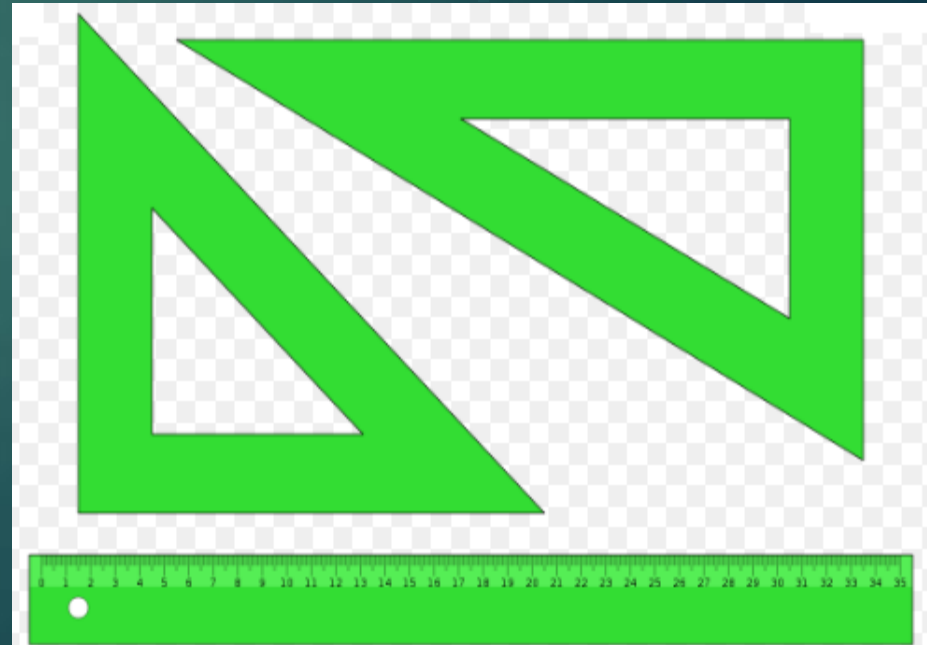


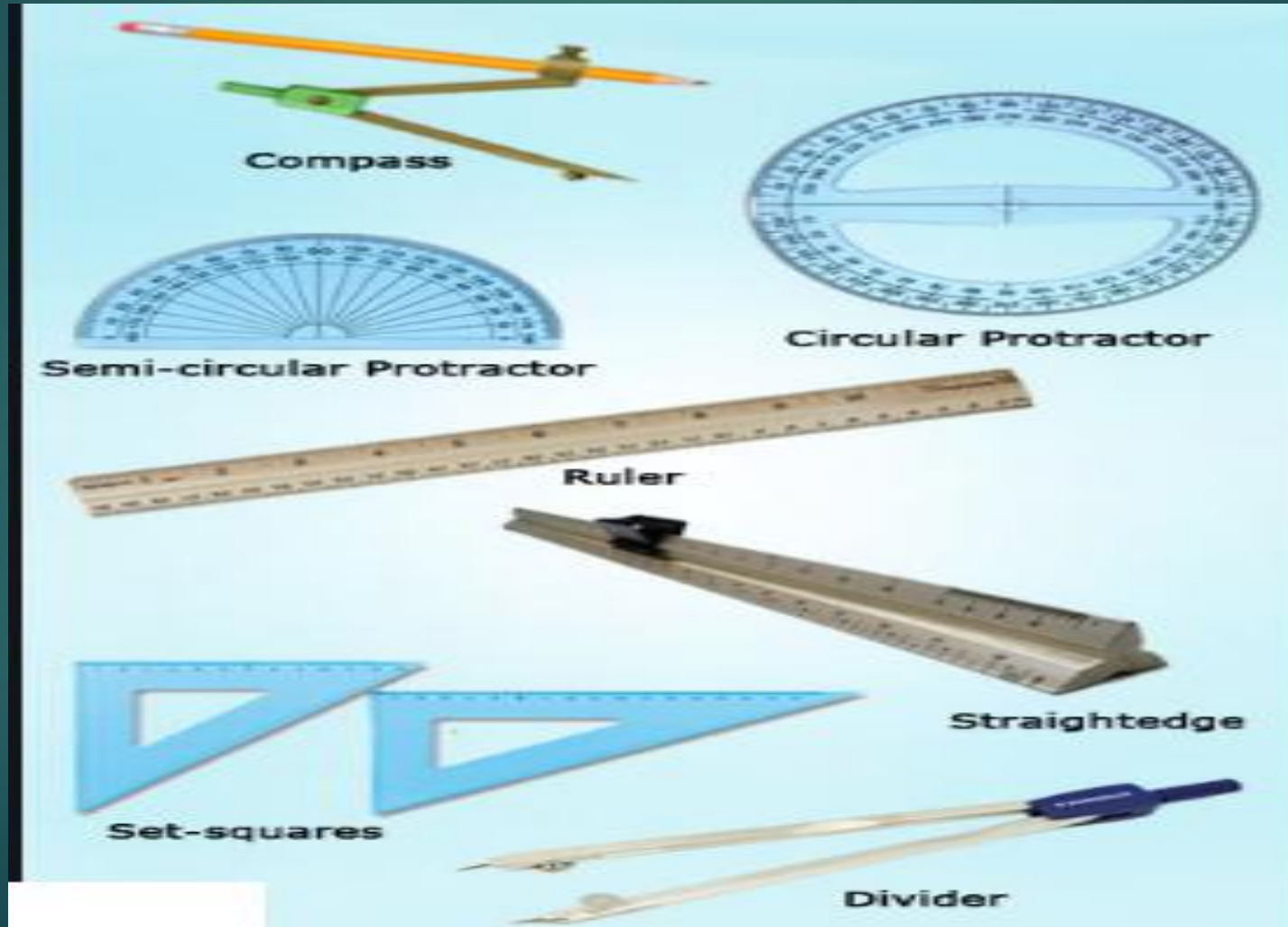
CLASS- 6

MODULE – 1/8

PRACTICAL GEOMETRY



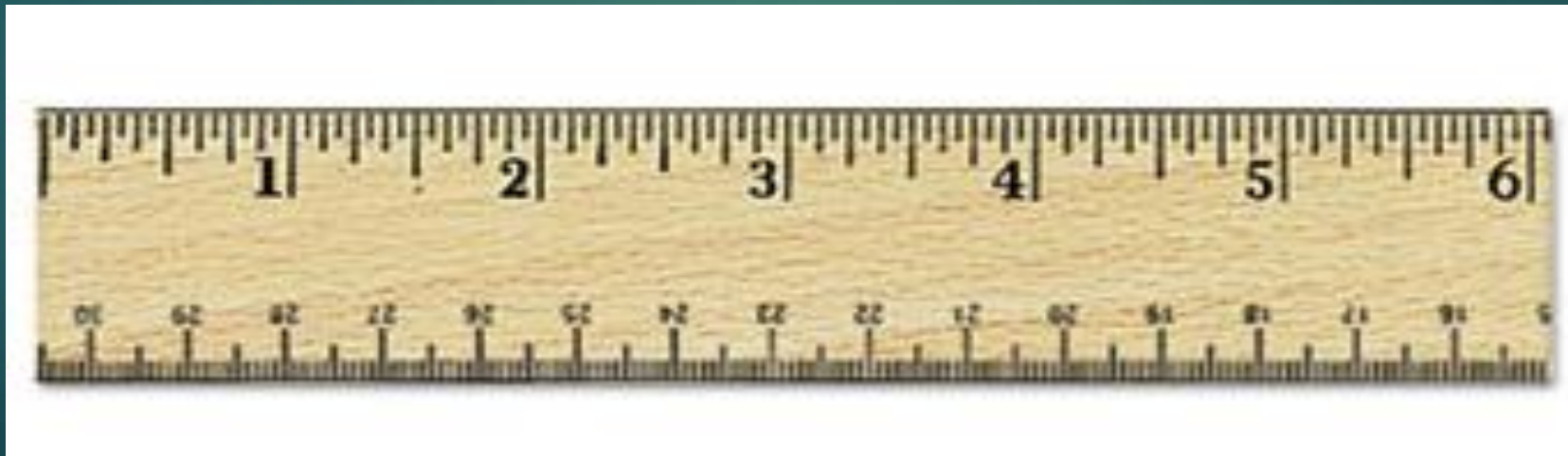
Have you identified these instruments in your geometry box.



The Ruler (Straight Edge)



- ▶ A Ruler ideally has no markings on it.
- ▶ However the ruler in your instruments box is graduated into centimeters along one edge and inches along the other edge



USES:

To draw line segments

To measure lengths.

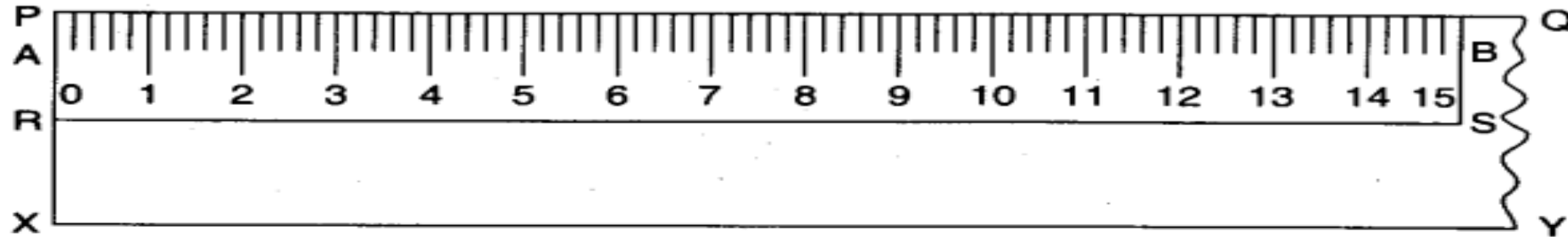


Fig. A. Scale of least count 0.2 cm.

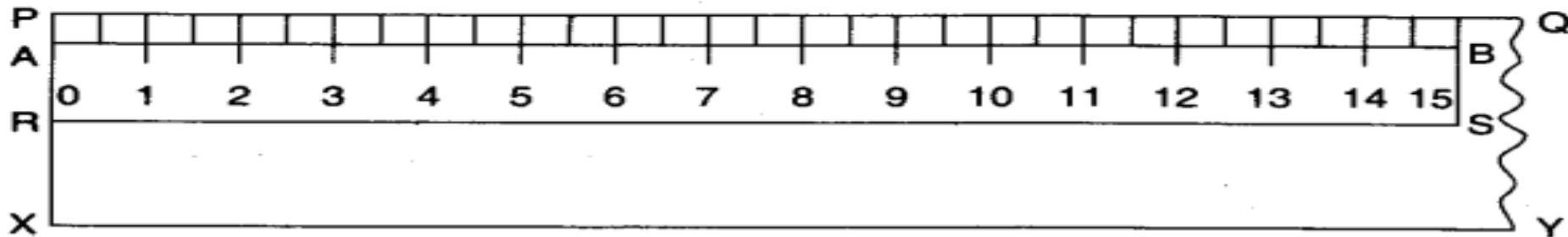


Fig. B. Scale of least count 0.5 cm.

The Compasses

A pair- a pointer on one end and a pencil on the other

USES:

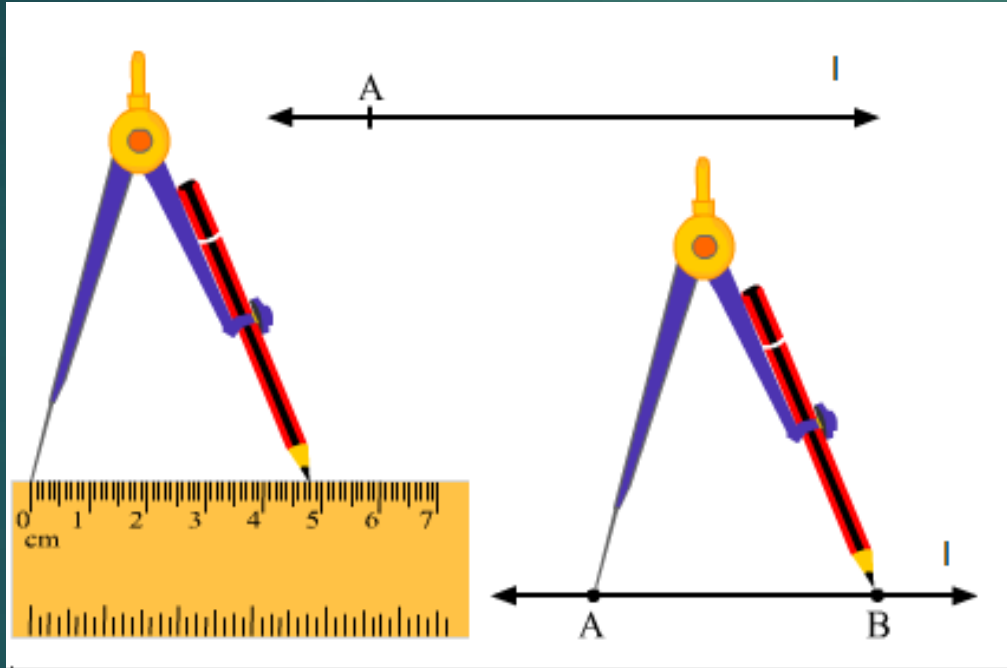
To mark of equal lengths (but not to measure them)

To draw arcs and circles.



The Divider : A pair of pointers

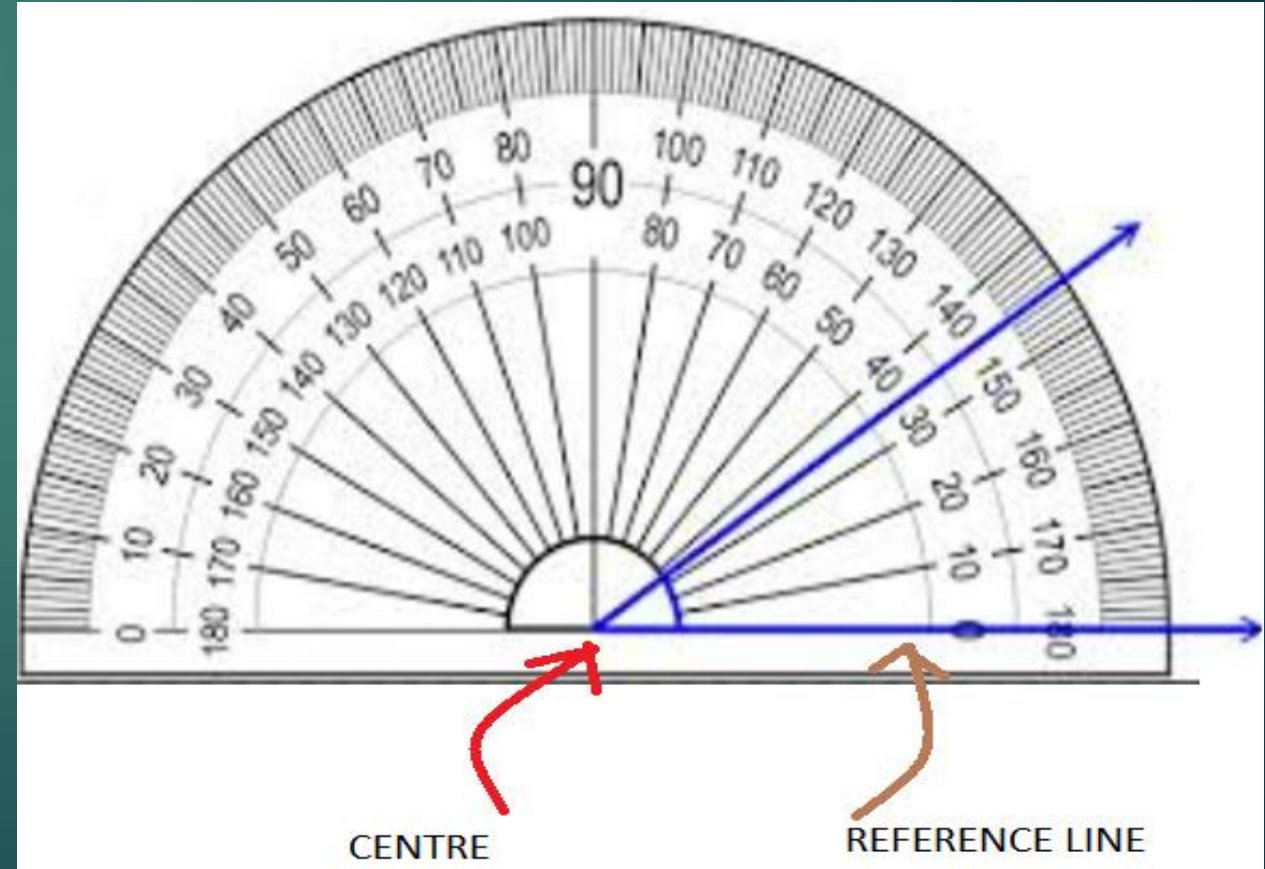
- ▶ USES : To compare lengths.



The Protractor

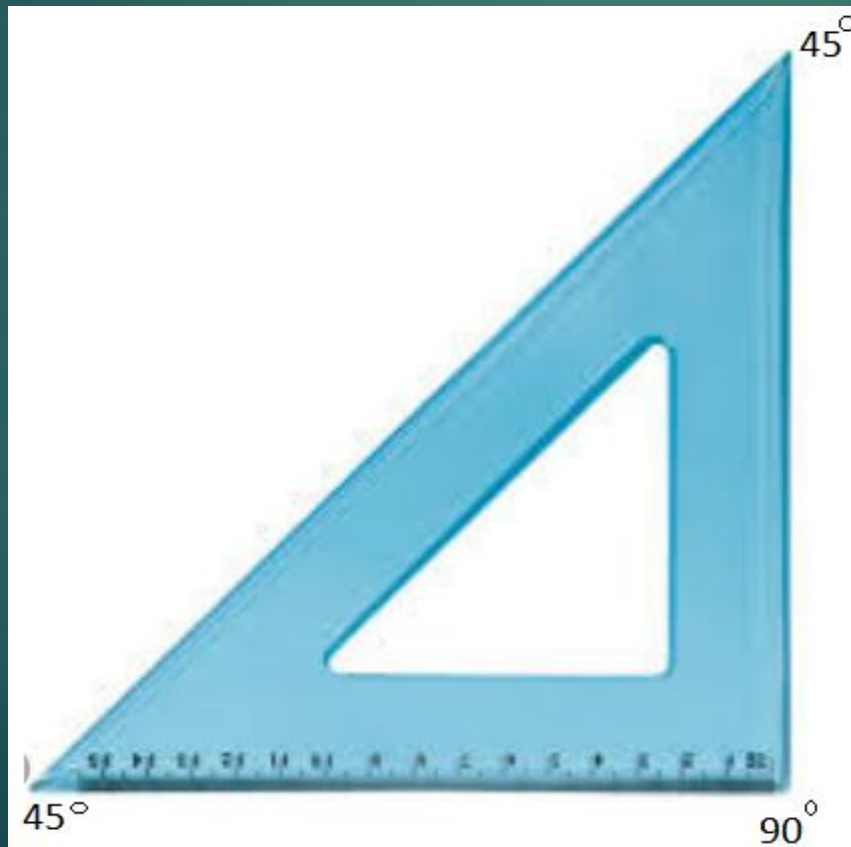
A semi circular device graduated into 180 degree parts. The measure starts from 0° on the right hand side and ends with 180° on the left hand side and vice-versa.

USES : To draw and measure angles.



Set – Squares:

- ▶ Two triangular pieces-one of them has 45° , 45° , 90° angles at the vertices and other has 30° , 60° , 90° angles at the vertices.
- ▶ USES : To draw perpendicular and parallel lines.



THANK YOU

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