PRACTICE TEST: CLASS-X

CONSTRUCTION (X)

1. Draw a right triangle ABC in which AC = AB = 4.5cm and <A = 90^0. Draw a triangle similar to triangle ABC with its sides equals to 5/4th of the corresponding sides of triangle ABC.
2. Draw a triangle ABC with sides BC = 6cm, AB = 5cm and <ABC = 60^0. Then construct a triangle whose sides are 3/4th of the corresponding sides of the triangle ABC.
3. Draw a circle of radius 4cm. Take a point P outside of the circle. Without using the centre of the circle, draw two tangents to the circle from point P.
4. Draw a circle of radius 6cm. Draw a tangent to this circle making angle of 30^0 with a line passing through the centre.
5. Draw pair of tangents to a circle of radius 5cm which are inclined to each other at an angle of 60^0.
6. Construct a tangent to a circle of radius 4cm from a point on the concentric circle of radius 6cm and measure its length. Also verify the measurement by actual calculation.