ATOMIC ENERGY CENTRAL SCHOOL

Class-10   Subject- Mathematics

CHAPTER – 11 (CONSTRUCTION)

WORK SHEET   Module - $\frac{1}{1}$

1. Draw a line segment RS of length 7.5cm and divide it in the ratio 7:3.

2. Draw a line segment GH of length 5.8cm and divide it in the ratio 5:4

3. Draw a circle of radius 3.3cm .Take a point, 8 cm away from the centre. Construct a pair of tangents to the circle from this point. Measure the length of the tangents.

4. Draw a circle of radius 2.5cm.Draw a pair of tangents to this circle inclined to each other at an angle of 75^0.

5. Draw two concentric circles of radius 3cm and 6cm .Construct a tangent to the smaller circle from a point on the larger circle.

6. Draw a circle of radius 3.2cm.Draw a tangent to the circle making an angle of 45^0 with a line passing through the centre.

7.Draw a line segment AB=10cm .With A as centre, draw a circle of radius 4cm and B as a centre draw another circle of radius 3.5cm.From the centre of each circle, draw a pair of tangents to the other circle.

8. Draw a circle of radius 3cm.Take two points D and E on one of its extended diameter, each at a distance of 7.5cm from its centre. Draw tangents to the circle from each of these points D and E.

9. Draw a circle with the help of a bangle. Construct a pair of tangents to the circle from an exterior point.

10. Draw a circle of radius 2.7cm with centre O. Draw a chord AB.Construct a tangent to the circle at the point B.

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