

CBSE TEST PAPER-01

MATHEMATICS (Class-10)

Chapter : Constructions

CONSTRUCTIONS

- Q1. Construct a triangle with sides 4cm, 5cm and 6 cm and then another triangle whose sides are $\frac{8}{5}$ of the corresponding sides of the first triangle.
- Q2. Draw a pair of tangents to a circle of radius 5 cm which are inclined to each other at an angle of 30°.
- Q3. Draw a line segment of length 8 cm and divide it in the ratio 3:2. measure the two lengths.
- Q4. Draw a circle of radius 5 cm. From a point 11 cm away from its center. Construct the pair of tangents to the circle.
- Q5. Let ABC be a right triangle in which AB= 6 cm and BC is 8 cm, $\angle B=90^\circ$, BD is perpendicular from B on AC. The circle through B, C, D is drawn. Construct the tangents from this circle.