

Worksheet

- Choose the correct option.
 - A closed plane figure bounded by four line segments is called
 - triangle
 - quadrilateral
 - circle
 - sphere
 - The least number of sides in a polygon is
 - 2
 - 4
 - 3
 - 5
- Fill in the blanks.
 - In _____ triangle, the base angles are equal.
 - If a circle passes through all the three vertices of a triangle, it is called _____ of the triangle.
- State true or false.
 - Two circles are congruent if their radii are equal.
 - If the angle between two lines is 90° , then the lines are perpendicular to each other.
 - A polygon can have its number of sides in fraction or in decimal form.
- Construct a triangle PQR with $PQ = 5.4$ cm, $QR = 4.8$ cm, $PR = 5.8$ cm.
- Construct a triangle MNP with $MN = 6.3$ cm, $NP = 5.6$ cm and $\angle N = 75^\circ$.
- Construct a triangle ABC with $BC = 6.5$ cm, $\angle B = 110^\circ$ and $\angle C = 40^\circ$. Locate its incentre and then draw its incircle.
- Construct an isosceles triangle JKL with base $JK = 5.6$ cm and $\angle J = 40^\circ$.
- Construct an isosceles $\triangle ABC$ with one of its equal sides $AB = 6$ cm and the vertical angle $\angle A = 70^\circ$.
- Construct an angle measuring
 - 22.5°
 - 67.5°
- Construct an angle of 120° . Divide it in four equal parts using pair of compasses.
 - Draw a line segment $OP = 7.4$ cm. Mark a point A on OP such that $OA = 5$ cm. Draw a ray perpendicular to OP at A.

Answers to Worksheet

- ii
 - iii
- isosceles
 - circumcircle
- True
 - True
 - False