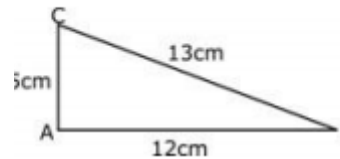


Board – CBSE

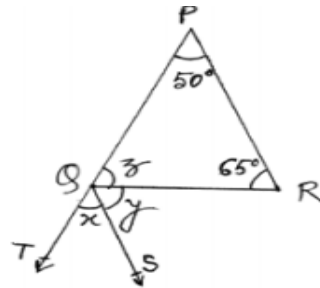
Class – VII

Topic – Triangles and its Properties

1. An exterior angle of a triangle DEF is of measure 70° and one of its interior opposite angles is of measure 25° . Find the measure of the other interior opposite angle
2. The two interior opposite angles of an exterior angle of a triangle LMN are 60° and 80° . Find the measure of the exterior angle.
3. Two angles of a triangle XYZ are 30° and 80° . Find the third angle.
4. One of the angles of a triangle PQR is 80° and the other two angles are equal. Find the measure of each of the equal angles.
5. The three angles of a triangle ABC are in the ratio 1:2:1. Find all the angles of the triangle. Classify the triangle in two different ways.
6. If one angle of a triangle is 100° and the other angles are in the ratio of 2:3, find the angles.
7. According to Pythagoras, if one side is 4cm and the other is 3cm, then the length of the hypotenuse is _____.
8. Find the perimeter of the given triangle



9. How many medians can a triangle have?
10. Diagonals of a Rhombus intersect each other at an angle of _____
11. Find the perimeter of the rectangle whose length is 24 cm and a diagonal is 25 cm.
12. The angles of a triangle are in the ratio 2 : 3 : 4. The measure of the smallest angle is _____.
13. If $PR \parallel QS$, find the measures of x, y and z.



14. State:
 - a) Angle sum property of a triangle.
 - b) Pythagoras property
 - c) Property of the lengths of sides of a triangle

15. Find the value of x

