

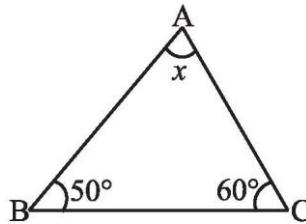
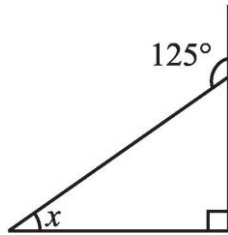


Grade: VII

CH: TRIANGLES AND ITS PROPERTIES

1. The value of x in the adjoining figure(left) is

- (a) 125° (b) 90° (c) 180 (d) 35°



2. Find the value of unknown x in the adjoining figure(above right).

- (a) 50° (b) 60° (c) 70° (d) 90°

3. The acute angles of right triangle are in the ratio $2 : 1$. Find the measure of each of these angles.

- (a) 55° and 35° (b) 60° and 30° (c) 50° and 40° (d) 45° and 45°

4. One of the angles of a triangle is 80° and the other two angles are equal. Find the measure of each of these equal angles.

- (a) 45° (b) 40° (c) 41° (d) 42°

5. $\triangle ABC$ is right-angled at C . If $AC = 5$ cm and $BC = 12$ cm find the length of AB .

- (a) 7 cm (b) 17 cm (c) 13 cm (d) none of these

6. Two angles of a triangle are 45° and 60° . Find the third angle.

7. The three angles of a triangle are in the ratio $3:2:1$. Find all the angles of the triangle.

8. The exterior angle of a triangle is of measure 113° and one of its interior opposite angles is of measure 25° . Find the measure of the other interior opposite angle.

9. The two interior opposite angles of an exterior angle of a triangle are 49° and 41° . Find the measure of the exterior angle.

10. Find the value of x in the below figure.

