PRACTICE PAPER (MCQ)   CBSE-7th

Subject: - Mathematics

Topic: - Triangles & Its Properties

1. If two acute angles of a right triangle are equal, then each acute angle is equal to: -   **Ans. (b)**

a) 30°   b) 45°   c) 60°   d) 90°

2. In which of the following case, the angles are not possibly the angles of a triangle: -   **Ans. (c)**

a) $90°, .55°, 35°$ b) $70°, 50°, 60°$ c) $37°, 49°, 84°$ d) $29°, 41°, 110°$

3. The vertical angle of an isosceles triangle measures $(5t - 18)°$ and one of the base angles measures $3t°$. The value of t is: -   **Ans. (c)**

a) 15   b) 24   c) 18   d) 12

4. Find the perimeter of a rectangle whose one side measures 20 metre and the diagonal is 29 metre.   **Ans. (b)**

a) 98 m   b) 82 m   c) 80 m   d) 100 m

5. The base angle of an isosceles triangle is 55°. The size of the vertical angle is: -   **Ans. (c)**

a) 55°   b) 35°   c) 70°   d) 125°

6. AB and CD are straight lines and $CA \parallel BD$. $\angle Y = ?$ **Ans. (b)**

a) 52°   b) 49°   c) 29°   d) 59°

7. This figure consists of an equilateral triangle and an isosceles triangle. Find $\angle x$.   **Ans. (d)**

a) 60°   b) 120°   c) 45°   d) 30°

8. $\Delta\,ABC$ is right angled at A. If AB = 24 cm and AC = 7 cm, then BC = ?   **Ans. (c)**

a) 31 cm   b) 17 cm   `   c) 25 cm   d) 28cm

9. In figure, the value of x is: -   **Ans. (c)**

a) 20   b) 40   c) 30   d) 25

10. If the exterior angle of a triangle are $(2x + 10)°$, $(3x - 5)°$ and $(2x + 40)°$, then $x = ?$

a) 25   b) 35   c) 45   d) 55   **Ans. (c)**