

ONE MARK TEST

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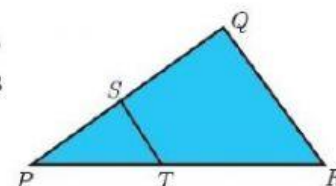


ENGLISH MEDIUM

LESSON – 4

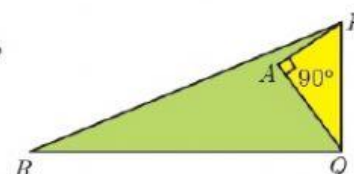
TEST - 2

- 1 In a given figure $ST \parallel QR$, $PS = 2$ cm and $SQ = 3$ cm. Then the ratio of the area of $\triangle PQR$ to the area of $\triangle PST$ is
(A) $25 : 4$ (B) $25 : 7$
(C) $25 : 11$ (D) $25 : 13$



- 2 The two tangents from an external points P to a circle with centre at O are PA and PB . If $\angle APB = 70^\circ$ then the value of $\angle AOB$ is
(A) 100° (B) 110° (C) 120° (D) 130°

- 3 In the given figure, $PR = 26$ cm, $QR = 24$ cm, $\angle PAQ = 90^\circ$, $PA = 6$ cm and $QA = 8$ cm. Find $\angle PQR$
(A) 80° (B) 85° (C) 75° (D) 90°



- 4 In $\triangle LMN$, $\angle L = 60^\circ$, $\angle M = 50^\circ$. If $\triangle LMN \sim \triangle PQR$ then the value of $\angle R$ is
(A) 40° (B) 70° (C) 30° (D) 110°

- 5 A tangent is perpendicular to the radius at the
(A) centre (B) point of contact (C) infinity (D) chord

- 6 In a $\triangle ABC$, AD is the bisector of $\angle BAC$. If $AB = 8$ cm, $BD = 6$ cm and $DC = 3$ cm. The length of the side AC is
(A) 6 cm (B) 4 cm (C) 3 cm (D) 8 cm

- 7 If in $\triangle ABC$, $DE \parallel BC$. $AB = 3.6$ cm, $AC = 2.4$ cm and $AD = 2.1$ cm then the length of AE is
(A) 1.4 cm (B) 1.8 cm (C) 1.2 cm (D) 1.05 cm

- 8 If in triangles ABC and EDF , $\frac{AB}{DE} = \frac{BC}{FD}$ then they will be similar, when
 (A) $\angle B = \angle E$ (B) $\angle A = \angle D$ (C) $\angle B = \angle D$ (D) $\angle A = \angle F$
- 9 If $\triangle ABC$ is an isosceles triangle with $\angle C = 90^\circ$ and $AC = 5$ cm, then AB is
 (A) 2.5 cm (B) 5 cm (C) 10 cm (D) $5\sqrt{2}$ cm

- 10 In figure if PR is tangent to the circle at P and O is the centre of the circle, then $\angle POQ$ is

- (A) 120° (B) 100°
 (C) 110° (D) 90°

