

Mathematics 10th Class English Medium Online Test

Sr	Questions	Answers Choice
1	A line which has only one point in common with a circle is called:	A. chord B. secant C. tangent D. sector
2	A straight line which cuts the circumference of a circle in two distinct points is called:	A. chord B. secant C. tangent D. sector
3	The distance of any point of the circle to its center is called:	A. radius B. diameter C. a chord D. an arc
4	An arc which is shorter than the half of the circumference is called:	A. minor arc B. major arc C. segment D. semi arc
5	A circle of radius 'r' has area:	A. πr^2 B. $2\pi r$ C. $2\pi r^2$ D. $\frac{1}{2}\pi r$
6	A circle of radius 'r' has a circumference of:	A. πr^2 B. $2\pi r$ C. $2\pi r^2$ D. $\frac{1}{2}\pi r$
7	A _____ is the locus of a moving point P in a plane which is equidistant from some fixed point O.	A. circle B. diameter C. chord D. circumference
8	Triangle with sides 5cm, 7cm, 8cm is a _____ triangle:	A. obtuse angle B. right angle C. acute angle D. quadrant angle
9	Area of $\triangle ABC$ = :	A. $\frac{1}{2}(\text{base})(\text{altitude})$ B. $2(\text{base})(\text{altitude})$ C. $\frac{1}{2} \times \text{base}/\text{altitude}$ D. $(\text{base})(\text{altitude})$
10	An angle which is equal to 90° is called:	A. right angle B. obtuse angle C. acute angle D. none of these
11	The _____ of a given point on a line segment is the foot of perpendicular drawn from the point on that line segment.	A. position B. co terminal C. projection D. standard position
12	$1 + \cot^2 \theta =$ _____.	A. $\tan^2 \theta$ B. $\operatorname{cosec}^2 \theta$ C. $\cot^2 \theta$ D. $\sec^2 \theta$
13	$\sec^2 \theta - \tan^2 \theta =$ _____.	A. $\sec^2 \theta$ B. $\cos^2 \theta$ C. 1 D. $\sin^2 \theta$
14	$\tan 90 =$ _____.	A. $\sqrt{3}/2$ B. $1/\sqrt{3}$ C. 0 D. undefined
15	If θ lies in 2nd (second) quadrant then $\sin \theta$ and $\operatorname{cosec} \theta$ are:	A. negative B. positive C. zero D. undefined

