

CLASS NOTES

Class: VI

Topic: BASIC GEOMETRICAL IDEAS

Subject: MATHS

CHOOSE THE CORRECT OPTION

Q1. Two intersecting lines intersect in -----

- (a) 1 point
- (b) 2 points
- (c) 3 points
- (d) 4 points

Q2. A line segment joining the centre to any point on the circle is called the _____ of the circle.

- (a). centre
- (b). radius
- (c) diameter
- (d). chord

Q3. An angle has

- (a). one vertex and one arm
- (b).one vertex and two arms
- (c). two vertex and one arms
- (d). two vertex and two arms

Q4. The meeting point of a pair of adjacent sides of a polygon is called its _____.

- (a). vertex
- (b)diagonal
- (c) adjacent angles
- (d) . none of these

Q5. A line segment joining any two points on the circle is called _____.

- (a). radius
- (b)Centre
- (c). chord
- (d) sector

Q6.Two lines having a common point are called ____ lines.

Q7.Two sides of a polygon having a common end point are called----- sides.

Q8.The set of all points that lie inside an angle is called the ____ of the angle.

Q9.A region in the interior of a circle enclosed by an arc on one side and a pair of radii on the other two sides is called a _____.

Q10.A closed figure bounded by three or more line segments is called a_____.

Q11. Identify a point, a line segment, a ray, intersecting lines or parallel lines from the following examples

- a.** The sharpened end of a pencil
- b.** Light from a torch
- c.** The English alphabet X
- d.** Opposite edges of a ruler

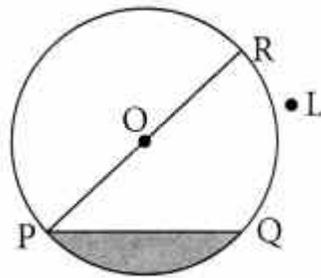
Q12. How many vertices are there in a triangle?

- (a) 1
- (b) 2
- (c) 3
- (c) 4

Q13. Which of the following has two end points?

- (a) Line
- (b) Ray
- (c) Line-segment
- (d) None of these

Fill in the blanks Q14-Q20.



Q14. Shaded region is representing

Q15. is a diameter of the circle.

Q16. is a chord of the circle.

Q17. is a radius of the circle

Q18. Line segment $PO =$ line segment (in length)

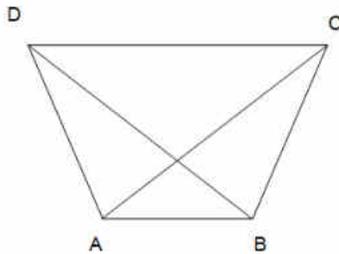
Q19. PR is dividing the circle into two equal halves, and each half is called

Q20. Centre of circle is.....

Answer the following questions

Q21. In the quadrilateral $ABCD$, name the following

- a. vertices
- b. pair of opposite sides
- c. pair of opposite angles
- d. pair of adjacent sides
- e. diagonals



Q22. In the given figure, name

- a. the three angles
- b. sides of the triangle
- c. the points in the interior of the triangle
- d. the point in the exterior of the triangle
- e. the points on the triangle

