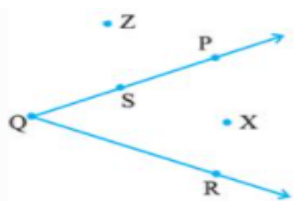
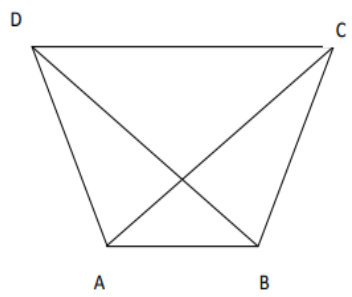
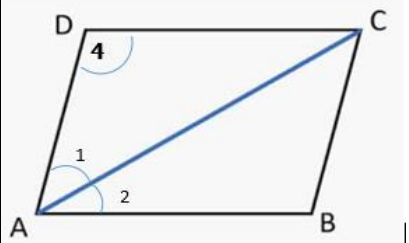
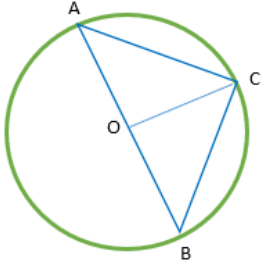
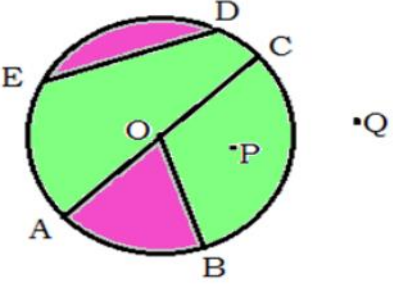


**INDIAN SCHOOL AL WADI AL KABIR**  
**Class VI**, Mathematics  
**WORKSHEET 1 – BASIC GEOMETRICAL IDEAS**  
**Date: 23/08/2021**

**Multiple Choice questions**

<b>Q.1.</b>	A portion of a line which has two end points.						
<b>A</b>	Line segment	<b>B</b>	Line	<b>C</b>	Ray	<b>D</b>	Point
<b>Q.2.</b>	The lines which do not intersect and have equal distance between them are called						
<b>A</b>	Parallel lines	<b>B</b>	Perpendicular lines	<b>C</b>	Collinear	<b>D</b>	Intersecting lines
<b>Q.3.</b>	Beam of light from a light house is an example of _____						
<b>A</b>	Line segment	<b>B</b>	Line	<b>C</b>	Ray	<b>D</b>	Point
<b>Q.4.</b>	Which polygon has the least number of sides?						
<b>A</b>	Pentagon	<b>B</b>	Quadrilateral	<b>C</b>	Square	<b>D</b>	Triangle
<b>Q.5.</b>	An angle has						
<b>A</b>	one vertex and one arm	<b>B</b>	one vertex and two arms	<b>C</b>	two vertex and one arm	<b>D</b>	two vertex and two arms
<b>Q.6.</b>	The meeting point of a pair of adjacent sides of a polygon is called its _____ .						
<b>A</b>	vertex	<b>B</b>	diagonal	<b>C</b>	adjacent angles	<b>D</b>	none of these
<b>Q.7.</b>	How many lines can pass through one given point?						
<b>A</b>	One	<b>B</b>	Countless	<b>C</b>	Two	<b>D</b>	Ten
<b>Q.8.</b>	How many lines can pass through two given points?						
<b>A</b>	Countless	<b>B</b>	One	<b>C</b>	Two	<b>D</b>	Hundred
<b>Q.9.</b>	Two lines meeting at a common point are called						
<b>A</b>	Parallel lines	<b>B</b>	Perpendicular lines	<b>C</b>	Bisector lines	<b>D</b>	Intersecting lines
<b>Q.10.</b>	A quadrilateral is polygon having						
<b>A</b>	4- sides	<b>B</b>	3- sides	<b>C</b>	2- sides	<b>D</b>	1- sides
<b>Q.11.</b>	Which of the following is not a polygon?						
<b>A</b>	A Square	<b>B</b>	A Triangle	<b>C</b>	A Rectangle	<b>D</b>	A Circle
<b>Q.12.</b>	Which of the following statements is INCORRECT?						

	<b>A</b>	Line AB is same as line BA	<b>B</b>	Line segment AB is same as line segment BA	<b>C</b>	Ray AB is the same as ray BA	<b>D</b>	Line AB perpendicular to line CD is same as line CD perpendicular to line AB
<b>Q.13.</b>	Three or more points lying on the same line are called							
	<b>A</b>	Parallel	<b>B</b>	Collinear	<b>C</b>	Concurrent	<b>D</b>	All of these
<b>Q.14.</b>	What is the simplest of all geometrical figures which has no size, length but has a position?							
	<b>A</b>	A line	<b>B</b>	A line segment	<b>C</b>	A point	<b>D</b>	A plane
<b>Q.15.</b>	 <p>The vertex of <math>\angle PQR</math> is _____ and a point the interior of the <math>\angle PQR</math> _____</p>							
	<b>A</b>	Q and X	<b>B</b>	Q and Z	<b>C</b>	R and X	<b>D</b>	S and X
<b>Q16.</b>	<b>In the quadrilateral ABCD, name the following</b> a. vertices b. pair of opposite sides c. pair if opposite angles d. pair of adjacent sides e. diagonals							
<b>Q17.</b>	<b>Fill in the blanks, using the figure given alongside</b> (i) A pair a parallel side is ____ (ii) The point of intersection of the line segment AB and BC is _____ (iii) The Common arm of $\angle 1$ and $\angle 2$ is _____. (iv) $\angle 4$ can be renamed using three letters as _____ and _____ (v) _____ is the diagonal of the quadrilateral ABCD.							
<b>Q18.</b>	<b>Identify a point, a line segment, a ray, intersecting lines or parallel lines from the following</b> a. The sharpened end of a needle b. Light from a bulb c. The English alphabet X d. Strings in a violin e. edge of a Ruler							

<b>Q19.</b>	<b>Use Circle and name the following figures</b> (a) three radii (b) three Chords (c ) a diameter (d) three triangles (e)two triangles having the vertex A as common.							
<b>Q20.</b>	<p style="text-align: center;"><b>CASE STUDY:</b></p> <p>Tom and Jerry are running after each other on a circular path. They stopped at points A, B, C, D, E. There are trees at points O, P and Q (as shown in figure). Identify the following.</p> <div style="text-align: center;">  </div>							
<b>I</b>	<b>When they complete running around the circle the path is called</b>							
	<b>A</b>	Sector	<b>B</b>	Quadrant	<b>C</b>	Circumference	<b>D</b>	Segment
<b>II</b>	<b>The longest distance covered by Tom from point A to point C is the</b>							
	<b>A</b>	Radius	<b>B</b>	Diameter	<b>C</b>	Circumference	<b>D</b>	Sector
<b>III</b>	<b>Region Enclose by a line segment ED and an arc ED is</b>							
	<b>A</b>	Sector	<b>B</b>	Quadrant	<b>C</b>	Circumference	<b>D</b>	Segment
<b>IV</b>	<b>The tree at point O is in the _____ of the circular path.</b>							
	<b>A</b>	Area	<b>B</b>	Exterior	<b>C</b>	Interior	<b>D</b>	Sector
<b>V</b>	<b>If the length of the distance between Point A and a tree at point O is 13 cm. What will be the distance between Point A and Point C.</b>							
	<b>A</b>	26cm	<b>B</b>	6 cm	<b>C</b>	13cm	<b>D</b>	10cm

Answers:									
<b>1</b>	A, line segment	<b>2</b>	A, Parallel lines	<b>3</b>	C, Ray	<b>4</b>	D, Triangle	<b>5</b>	<b>B</b> , one vertex and two arms
<b>6</b>	A, vertex	<b>7</b>	<b>B</b> , Countless	<b>8</b>	B, One	<b>9</b>	D, Intersecting lines	<b>10</b>	A, 4 sides
<b>11</b>	D, A Circle	<b>12</b>	C, Ray AB is the same as ray BA	<b>13</b>	B, Collinear	<b>14</b>	C, A point	<b>15</b>	A, Q and X
<b>16</b>	-	<b>17</b>	-	<b>18</b>	-	<b>19</b>	-		
<b>20 (I)</b>	C, circumference	<b>20 (II)</b>	<b>B</b> , Diameter	<b>20 (III)</b>	A, Sector	<b>20 (IV)</b>	C, interior	<b>20 (V)</b>	A, 26cm