

## Loci and Construction

Sr	Questions	Answers Choice
1	Locus of all points equidistant from a fixed point is.	A. Circle B. Perpendicular bisector C. Angle bisector D. Parallel bisector
2	If the sum of the measures of two angles is less than $90^\circ$ , then the triangle is.....	A. Equilateral B. Acute angled C. Obtuse angled D. Right angled
3	Ortho centre is the point of concurrency of three.....of triangle	A. Right bisectors B. Angle bisectors C. Altitudes D. Medians
4	To find the location equidistant from two towns, which locus do we have to draw.	A. Circle B. Right bisector C. Angle bisector D. Parallel lines
5	Which of the following cannot be constructed with compass.	A. $15^\circ$ B. $30^\circ$ C. $45^\circ$ D. $95^\circ$
6	In-centre is the point of concurrency of three.....of triangle.	A. Right bisectors B. Angle bisectors C. Altitudes D. Medians
7	If two medians of a triangle are congruent then the triangle will be	A. Isosceles B. Equilateral C. Right angled D. Acute angled
8	Locus of point equidistant from a fixed line is.	A. Circle B. Perpendicular bisector C. Angle bisector D. Parallel lines
9	Locus is a.....word.	A. English B. German C. French D. Latin
10	If in center, circumcenter, orthocenter and centroid of a triangle coincide then triangle is.	A. Isosceles B. Equilateral C. Right angled D. Acute angled
11	The set of all points which is farther than 2 km from a fixed point B is a region outside a circle of radius..... and centre at B.	A. 1 km B. 1.9 km C. 2 km D. 2.1 km
12	A triangle can be constructed if the sum of the measure of any two sides is ..... the measure of the third side.	A. Less than B. Greater than C. Equal to D. Greater than and equal to
13	Which of the following is used to measure the angle.	A. Compass B. Protector C. Scale D. Set square
14	In right -angled triangle one angle is right, other two angles are.	A. Right B. Obtuse C. Acute D. One acute, one obtuse
15	A perpendicular from a vertex of triangle to the opposite side is called.	A. Altitude B. Median C. Angle bisector D. Right bisector

16	An equilateral triangle.....	<p>A. can be isosceles          B. Can be right angled          C. Can be obtuse angled          D. Has each angle equal to 50°</p>
17	A triangle having two sides congruent is called.	<p>A. Scalene          B. Right angled          C. Equilateral          D. Isosceles</p>
18	The point of concurrency of the three perpendicular bisectors of the sides of a triangle is called.	<p>A. Circumcentre          B. In centre          C. Ortho centre          D. Centroid</p>
19	Which of the following can be constructed by compass.	<p>A. 105°          B. 125°          C. 130°          D. 55°</p>
20	A triangle having all sides different is called	<p>A. Isosceles          B. Scalene          C. Equilateral          D. Right</p>