

Loci and Construction

Sr	Questions	Answers Choice
1	The circum center of right triangle lies on the.....of triangle.	A. Vertex B. Altitude C. Hypotenuse D. Base
2	The angle bisectors of the angles of a triangle are	A. Congruent B. Collinear C. Concurrent D. Parallel
3	A locus is a set of points that follow a given.	A. Instructions B. rule C. variable D. value
4	The point of concurrency of the three perpendicular bisectors of the sides of a triangle is called.	A. Circumcentre B. In centre C. Ortho centre D. Centroid
5	If two medians of a triangle are congruent then the triangle will be	A. Isosceles B. Equilateral C. Right angled D. Acute angled
6	The line segment joining the midpoint of a side to its opposite vertex in a triangle is called.	A. Median B. Perpendicular bisector C. Angle bisector D. Circle
7	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
8	Which of the following cannot be constructed with compass.	A. 15° B. 30° C. 45° D. 95°
9	If in center, circumcenter, orthocenter and centroid of a triangle coincide then triangle is.	A. Isosceles B. Equilateral C. Right angled D. Acute angled
10	A triangle having two sides congruent is called.	A. Scalene B. Right angled C. Equilateral D. Isosceles
11	Which of the following can be constructed by compass.	A. 105° B. 125° C. 130° D. 55°
12	Locus of all points equidistant from a fixed point is.	A. Circle B. Perpendicular bisector C. Angle bisector D. Parallel bisector
13	The bisectors of the angles of a triangle meet at a point called.	A. In centre B. Ortho centre C. Circumcentre D. Centroid
14	The garbage dumping area must be 5 km away from the city. Which locus do we have to draw.	A. Circle B. Right bisector C. Angle bisector D. Parallel lines
15	In-centre is the point of concurrency of three.....of triangle.	A. Right bisectors B. Angle bisectors C. Altitudes D. Medians

16	a triangle having all sides equal is called.	A. Isosceles B. Scalene C. Equilateral D. Right
17	The point of concurrency of the three altitudes of a triangle is called.	A. Ortho centre B. In centre C. Circumcentre D. Centroid
18	The incentre of any triangle always liesthe triangle.	A. Outside B. Inside C. Midpoint D. On base of
19	Ortho centre is the point of concurrency of three.....of triangle	A. Right bisectors B. Angle bisectors C. Altitudes D. Medians
20	Circumcentre is the point of concurrency of three.....of triangle.	A. Right bisectors B. Angle bisectors C. Altitudes D. Medians