

## Loci and Construction

Sr	Questions	Answers Choice
1	A perpendicular from a vert of traingl to the opposite side is called.	A. Altitude B. Median C. Angle bisector D. Right bisector
2	Which of the following is used to measure the angle.	A. Compass B. Protector C. Scale D. Set square
3	Locus of all points equidistant from a fixed point is.	A. Circle B. Perpendicular bisector C. Angle bisector D. Parallel bisector
4	A traingle canbe 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
5	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
6	A locus is a set of points that follow a given.	A. Instructions B. rule C. variable D. value
7	The right bisectos of the three sides of a triangle are.	A. Congruent B. Collinear C. Concurrent D. Parallel
8	To find the location eqidistant from two towns, which locus do we have to draw.	A. Circle B. Right bisector C. Angle bisector D. Parallel lines
9	If two medians of a traingle are congruent then the triangle will be	A. Isosceles B. Equilateral C. Right angled D. Acute angled
10	Locus is a.....word.	A. English B. German C. French D. Latin
11	Point of concurrency of three medians of a triangle is called its.	A. In centre B. Ortho centre C. Centroid D. Circumcentre
12	Ortho centre is thre point of concurrency of three.....of triangle	A. Right bisectors B. Angle bisectors C. Altitudes D. Medians
13	If in center, circumcenter,orthocenter and centroid of a triangle coincide then triangle is.	A. Isosceles B. Equilateral C. Right angled D. Acute angled
14	Locus of points equidistant fromtwo fixed points is.	A. Circle B. Perpendicular bisector C. Angle bisector D. Parallel lines
15	The ortho center of an acute triangle lies .....of triangle.	A. Inside B. Outdise C. Midpoint D. Vertex of

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16 Sum of interior angles of a triangle is.

A.  $60^\circ$   
B.  $120^\circ$   
**C.  $180^\circ$**   
D.  $240^\circ$

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17 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

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18 The point of concurrency of the three altitudes of a triangle is called.

A. Ortho centre  
B. In centre  
C. Circumcentre  
D. Centroid

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19 A triangle having two sides congruent is called.

A. Scalene  
B. Right angled  
C. Equilateral  
**D. Isosceles**

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20 A triangle having all sides different is called

A. Isosceles  
**B. Scalene**  
C. Equilateral  
D. Right

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