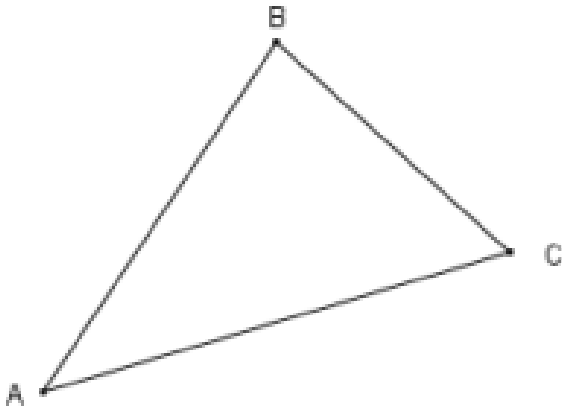


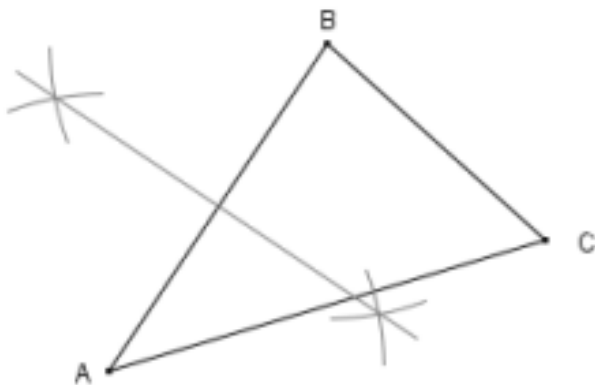
## Circum-circle of a Triangle:

### Construction with Demo Work:

Draw a triangle ABC of given measurement.

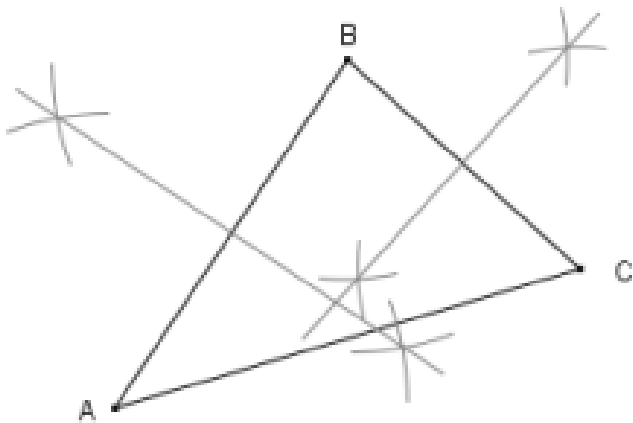


Draw the bisectors of any one side of the triangle.

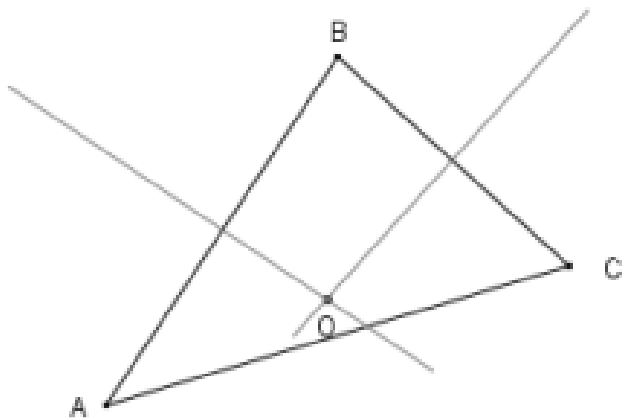


**Construction with Demo Work:**

Draw the bisector of the other side.

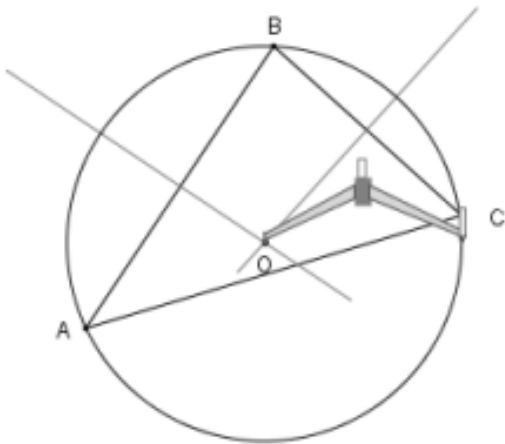


The point where these two perpendiculars intersect is the triangle's circum-center, The center of the circle we need

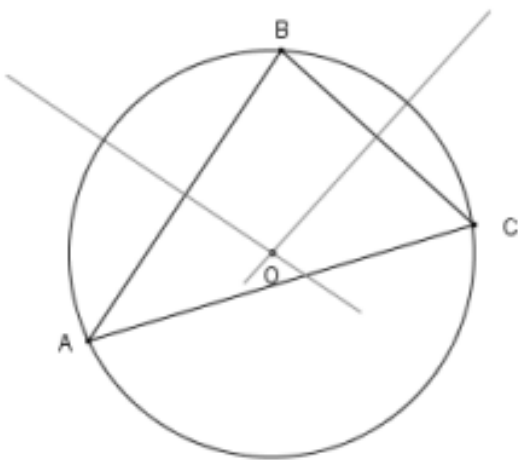


**Construction with Demo Work:**

Place the compass point on the intersection of the perpendiculars and set the compass width to one of the points A, B or C. Draw a circle that will pass through all three.



The circle drawn is the triangle's circum-circle, the circle that will pass through all three of its vertices.



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