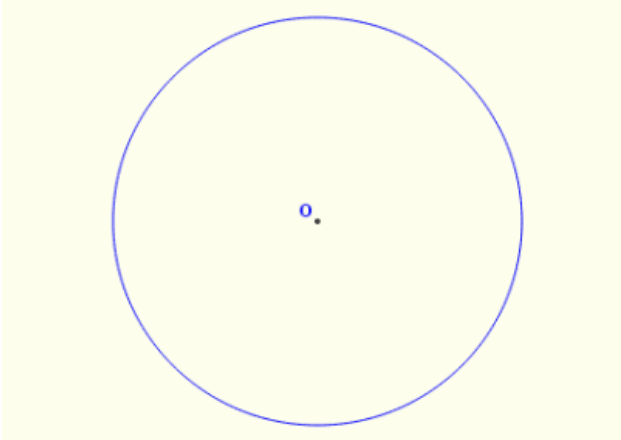
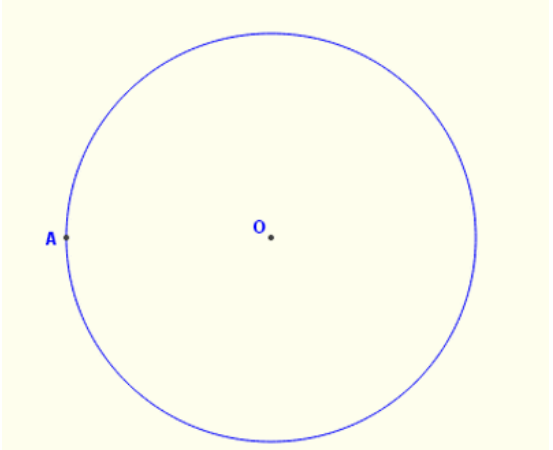
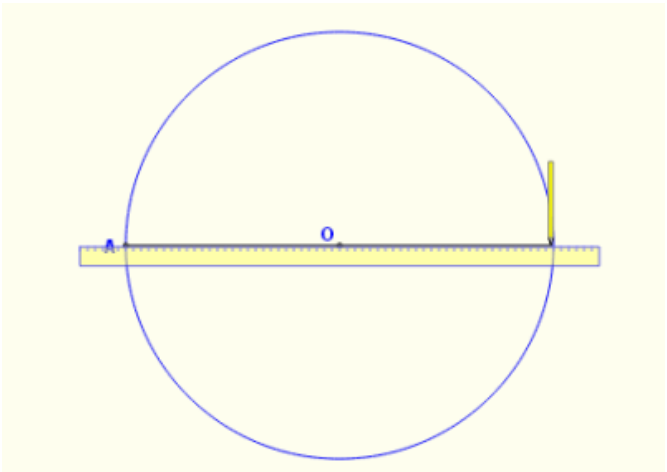


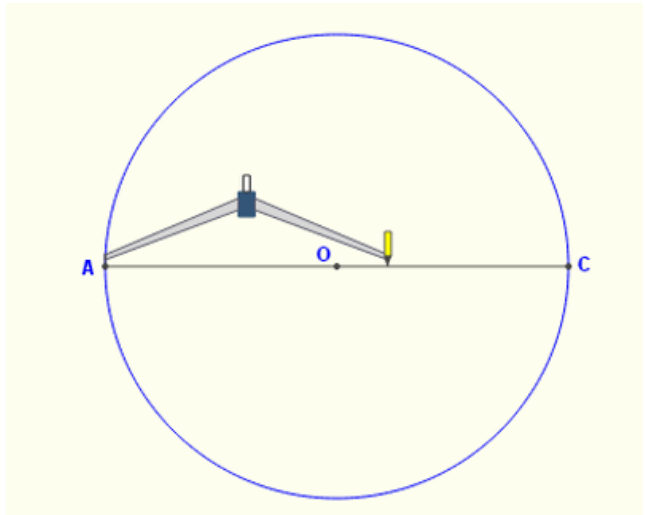
Square inscribed in a circle

After doing this	Your work should look like this
<p>Start with the given circle, center O.</p>	 A diagram of a circle with a center point labeled 'O'. The circle is drawn in blue on a light yellow background.
<p>Mark a point A on the circle. This will become one of the vertices of the square.</p>	 A diagram of a circle with a center point labeled 'O'. A point labeled 'A' is marked on the left side of the circle's circumference. The circle is drawn in blue on a light yellow background.
<p>Draw a diameter line from the point A, through the center and on to cross the circle again, creating point C.</p>	 A diagram of a circle with a center point labeled 'O'. A point labeled 'A' is marked on the left side of the circle's circumference. A horizontal diameter line is drawn through the center 'O', extending from point 'A' on the left to point 'C' on the right. The line is drawn in blue. A yellow ruler is placed horizontally below the circle, with its edge aligned with the diameter line. A vertical yellow line is drawn from the top of the ruler to the right side of the circle, indicating the next step in the construction.

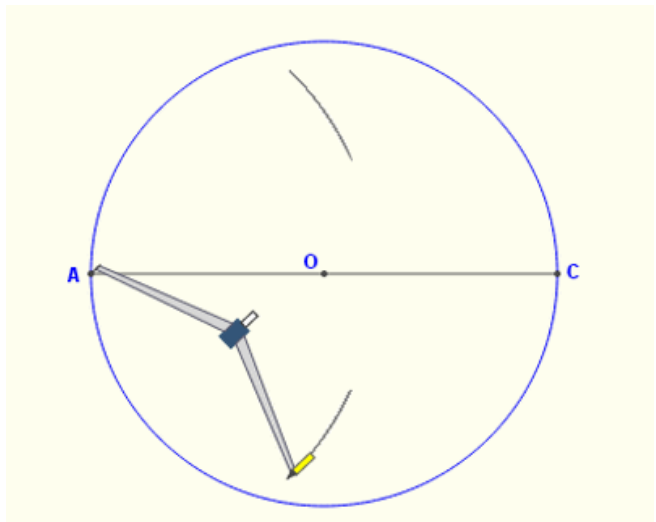
After doing this

Your work should look like this

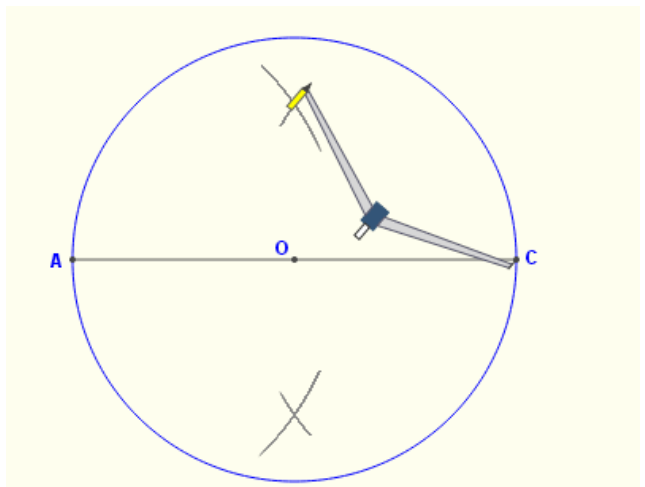
Set the compass on A and set the width to a little more than the distance to O.

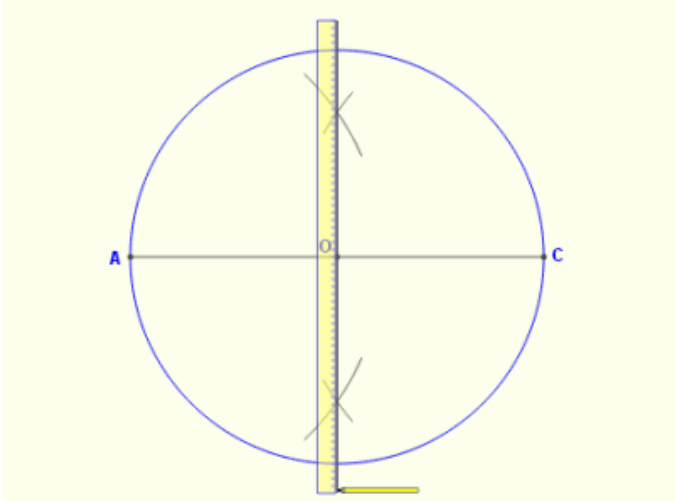
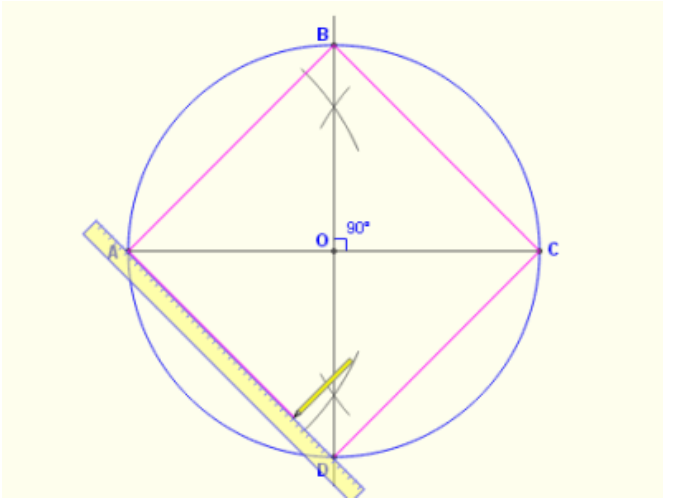


Draw an arc above and below O.



Move the compass to C and repeat.



After doing this	Your work should look like this
<p>Draw a line through where the arc pairs cross, making it long enough to touch the circle at top and bottom, creating the new points B and D.</p> <p>This is a diameter at right angles to the first one AC.</p>	
<p>Draw a line between each successive pairs of points A, B, C, D</p>	
<p>Done. ABCD is a square inscribed in the given circle.</p>	