



WEEKLY HOME STUDY PACKAGE - WEEK 5 (02/08/21 - 06/08/21)

Subject: Technical Drawing Year -11

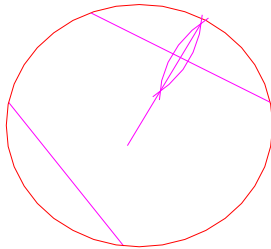
Strand	Geometry
Sub Strand	Centroid
Content Learning Outcome	<ul style="list-style-type: none"> <li>Define centroid.</li> <li>Construct centroid of simple geometrical shape.</li> </ul>

**LESSON NOTES**

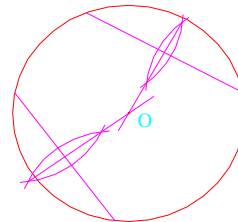
Centroids are the center of an object or the center of gravity. It is the point of intersection of all the medians. The center of mass of a uniform object is also called a centroid.

• **How to find the center of a circle?**

Step 1- Draw two chords and bisect it.

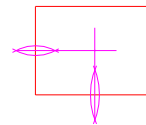
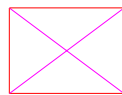


Step 2- The intersection of the two bisectors is the centroid of the circle.

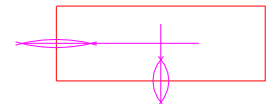
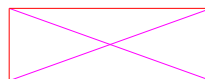


• **How to find the center of a square and rectangle?**

Square- Either join the diagonals or bisect two adjacent sides to find the centroid of the rectangle.

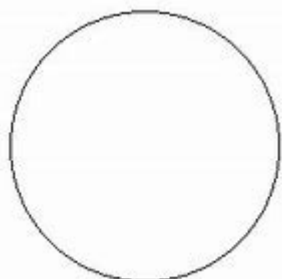


Rectangle- Either join the diagonals or bisect two adjacent sides to find the centroid of the rectangle.



**ACTIVITY** (10 marks)

Find the centroid of the following geometrical shapes.



Circle	4 marks	
Square	3 marks	
Rectangle	3 marks	