

**Q: Define and draw tangent to a circle.**

A tangent to a circle is the straight line which touches the circumference at a single point only and being produced does not cut it all. The point of tangency is also known as point of contact.

In figure  $\overleftrightarrow{AB}$  is tangent line to the circle at point of tangency  $T$ .

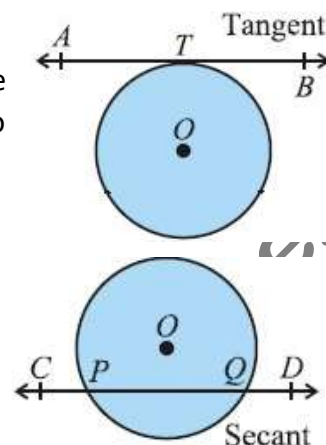
**Q: Define a secant.**

A secant is a straight line which cuts the circumference of a circle in two distinct points.

In the figure, the secant  $\overleftrightarrow{CD}$  cuts the circle at two distinct points  $P$  and  $Q$ .

**Q: What is meant by length of tangent.**

The length of tangent to a circle is measured from the given point to the point of tangency.



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