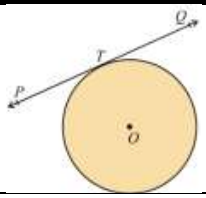
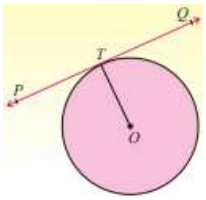
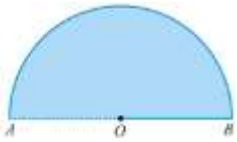
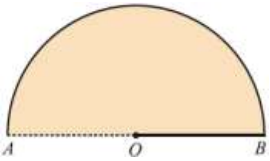
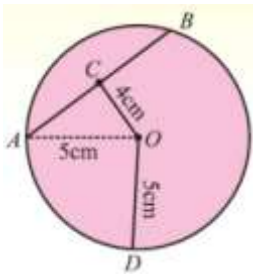
Unit 10 Tangent To A Circle

1	In adjacent figure of a circle, the line $\overleftrightarrow{PTQ}$ is named as 	An arc	A chord	✓A tangent	A secant
2	In a circle with center O, if $\overline{OT}$ is radial segment and $\overleftrightarrow{PTQ}$ is the tangent line, then 	✓$\overline{OT} \perp \overleftrightarrow{PQ}$	$\overleftrightarrow{PQ}$ *not* $\perp \overline{OT}$	$\overline{OT} \parallel \overleftrightarrow{PQ}$	$\overline{OT}$ is right bisector of $\overleftrightarrow{PQ}$
3	In the adjacent figure, find the semicircular area.  If $m\overline{OA} = 20\ cm$, $\pi = 3.1416$	$62.83\ cm^2$	$314.16\ cm^2$	$436.20\ cm^2$	✓$628.32\ cm^2$
4	In the adjacent figure, find half the perimeter of circle with center O.  If $m\overline{OA} = 20\ cm$, $\pi = 3.1416$	$31.42\ cm$	✓$62.832\ cm$	$125.65\ cm$	$188.50\ cm$
5	A line which has two points in common with a circle is called	*Sine* of a circle	*Cosine* of a circele	*Tangent* of a circle	✓*Secant* of a circle
6	A line which has only one point in common with a circle is called	*Sine* of a circle	*Cosine* of a circele	✓*Tangent* of a circle	*Secant* of a circle
7	Two tangents drawn to a circle from a point outside it are of … … in length	Half	✓Equal	Double	Triple
8	A circle has only one	Secant	Diameter	Chord	✓Center
9	A tangent line intersects the circle at	Three points	Two points	✓Single point	No point at all
10	Tangent drawn at the ends of the diameter of a circle are … … to each other	✓Parallel	Non parallel	Collinear	Perpendicular
11	The distance between the centers of two congruent touching circles externally is	Of zero length	The radius of each circle	✓The diameter of each circle	Twice the diameter of each circle
12	In adjacent circular figure with center O and radius $5\ cm$, the length of chord intercepted at $4\ cm$ away from the center of this circle is 	4 cm	✓$6\ cm$	$7\ cm$	$9\ cm$

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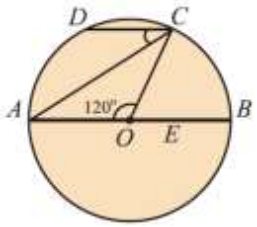
13	In adjoining figure, there is a circle with center O. If $\overline{DC} \parallel$ diameter $\overline{AB}$ and $m\angle AOC = 120^{\circ}$, then $m\angle ACD$ is 	✓30°	40°	50°	60°

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