

Unit 11

Chords and Arcs

1	A 4 cm long chord subtends a central angle 60° . The radial segment of the circle is	1 cm	2 cm	3 cm	$\sqrt{4}$ cm
2	The length of chord and radial segment of a circle are congruent, the central angle made by chord will be	$\sqrt{60^\circ}$	30°	45°	75°
3	Out of two congruent arcs of circle, if one arc makes a central angle of 30° then the other arc will subtend the central angle of	60°	$\sqrt{30^\circ}$	45°	15°
4	An arc subtends a central angle of 40° then the corresponding chord will subtend a central angle of	20°	$\sqrt{40^\circ}$	60°	80°
5	A pair of chords of a circle subtending two congruent central angle is	\checkmark Congruent	Incongruent	Overlapping	Parallel
6	If the arc of circle subtends a central angle of 60° , then the corresponding chord of the arc will make the central angle of	20°	40°	$\sqrt{60^\circ}$	80°
7	The semi circumference and diameter of circle both subtend a central angle of	90°	$\sqrt{180^\circ}$	270°	360°
8	The chord length of a circle subtending a central angle of 180° is always	Less than radial segment	Equal to radial segment	\checkmark Double of the radial segment	None of these
9	If chords of a circle subtends a central angle of 60° , then the length of the chord and radial segment are	\checkmark Congruent	Incongruent	Parallel	Perpendicular
10	The arcs opposite to incongruent central angles of a circle are always	Congruent	\checkmark Incongruent	Parallel	Perpendicular

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