

**Q: What is radius of a circle if 4 cm long chord subtends central angle of  $60^\circ$ ?**

If 4 cm long chord subtends a central angle of  $60^\circ$ , then radius of circle is also 4 cm.

**Q: What will be central angle if length of chord and radial segment of a circle are congruent?**

If the length of chord and radial segment of a circle are congruent, then central angle will be equal to  $60^\circ$ .

**Q: An arc subtends a central angle of  $40^\circ$  then what will be the angle subtended by corresponding chord?**

If an arc subtends a central angle of  $40^\circ$ , then the angle subtended by the corresponding chord will also be  $40^\circ$ .

**Q: What central angle is subtended by semi circumference and the diameter?**

The semi circumference and the diameter of a circle both subtend a central angle of  $180^\circ$ .

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