

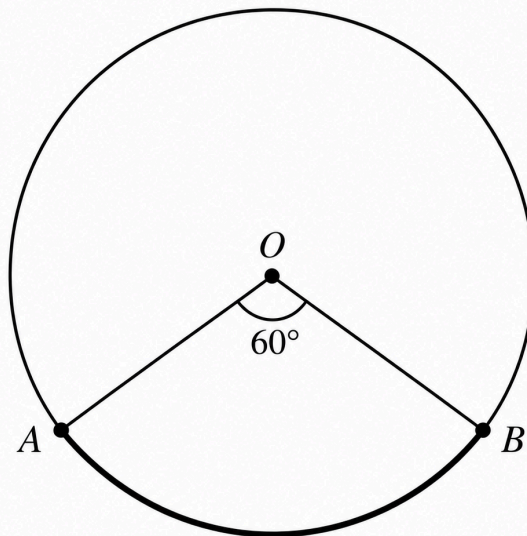
Class 9 Mathematics - Measuring Space: Perimeter and Area

Name: _____

Date: _____

Medium Worksheet 2

Questions



1. Find the length of an arc subtending 60° at the centre of a circle of radius 21 cm.
2. Find the length of an arc subtending 90° at the centre of a circle of radius 14 cm.

3. Find the length of an arc subtending 120° at the centre of a circle of radius 21 cm.
4. Find the length of an arc subtending 180° at the centre of a circle of radius 7 cm.
5. Find the length of an arc subtending 45° at the centre of a circle of radius 28 cm.
6. State the formula for arc length.

Answer Key

1. 22 cm
2. 22 cm
3. 44 cm
4. 22 cm
5. 22 cm
6. Arc Length = $(\theta/360) \times 2\pi r$