

LESSON **Reading Strategies**
11-2 Use a Table

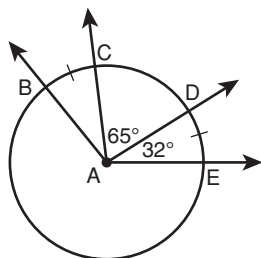
The table below shows some of the relationships among arcs, chords, and central angles.

Words	Diagram	Mathematical Symbols
A minor arc is equal to the measure of its central angle.		$m\widehat{DE} = m\angle DCE = x^\circ$
A major arc is equal to 360° minus the measure of its central angle.		$m\widehat{DFE} = 360^\circ - m\angle DCE$ $= 360^\circ - x^\circ$
The measure of an arc formed by two adjacent arcs is the sum of the measures of the two arcs.		$m\widehat{ABC} = m\widehat{AB} + m\widehat{BC}$
Congruent central angles have congruent chords.		$\overline{RQ} \cong \overline{YZ}$
Congruent chords have congruent arcs.		$\widehat{RQ} \cong \widehat{YZ}$
Congruent arcs have congruent central angles.		$\angle QXR \cong \angle ZXY$

Answer the following.

- The measure of a central angle is 60° . What is the measure of its minor arc? _____
- What will be the sum of a central angle's minor arc and major arc? _____
- Congruent _____ have congruent chords.

Use circle A to find each measure.



- $m\widehat{DE}$ _____
- $m\widehat{EBD}$ _____
- $m\angle CAB$ _____
- $m\widehat{CBE}$ _____
- $m\widehat{CBD}$ _____
- $m\widehat{CD}$ _____

