GEOMETRY · HOMEWORK

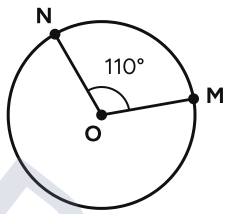
Relate Central Angles and Arc Measures

SCORE / 25

01 Part A · Practice

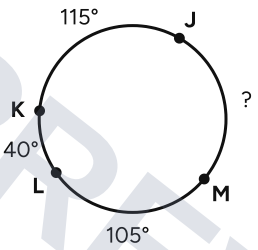
A minor arc has the same measure as its central angle; a major arc is 360° minus the minor arc.

1 ●○○ In circle O, $m\angle MON = 110°$. Find the measure of major arc $M\overset{\frown}{ZN}$.

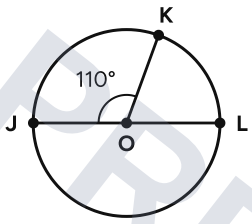


2 ●○○ Arcs $\overset{\frown}{JK}$ and $\overset{\frown}{KL}$ are adjacent. $m\overset{\frown}{JK} = 125°$ and $m\overset{\frown}{KL} = 135°$. Find $m\overset{\frown}{JKL}$.

3 ●○○ Points J, K, L, M lie in order on the circle. Find $m\overset{\frown}{MJ}$.



4 ●○○ $\overline{JL}$ is a diameter of circle O and $m\angle JOK = 110°$. Find $m\overset{\frown}{KL}$.



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Preview - the full worksheet and its answer key are at primeworksheet.com