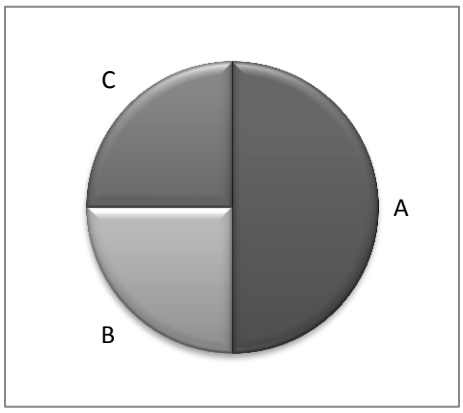
Circle Segments and Pie Charts

Worksheet



What PERCENTAGE of this circle is segment A? _____

How many DEGREES are taken up by segment A? _____

What is the RATIO (that is, DEGREES/PERCENTAGE)? _____

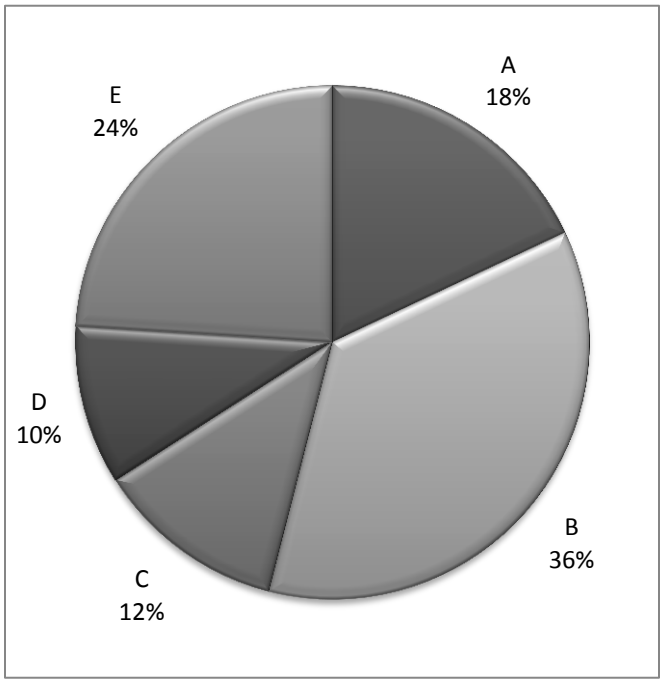
What PERCENTAGE of this circle is segment B? _____

How many DEGREES are taken up by segment B? _____

What is the RATIO (that is, DEGREES/PERCENTAGE)? _____

Let's say you were given a pie chart that was labeled with percentages. Based on the values above, what number would you multiple the PERCENTAGES by in order to get DEGREES of the central angle?

Conversion value: _____



Use the conversion value to convert the percentages in the chart to the left into the degrees of the central angle:

Segment A: 18% = _____

Segment B: 36% = _____

Segment C: 12% = _____

Segment D: 10% = _____

Segment E: 24% = _____

Make sure to compare these degree values with the circle. Do they add up to 360°? Do they look right?