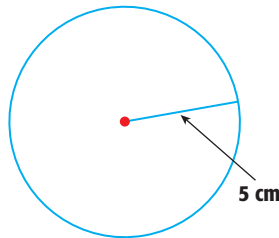
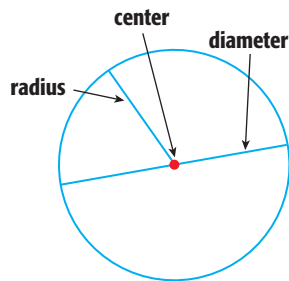


Section Overview

Area and Circumference of Circles

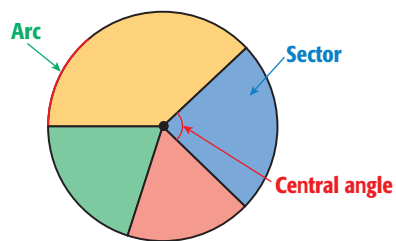
Lesson 9-3

Why? You can find the area and circumference of a circle if you know its radius or diameter.



Circumference		Area	
<i>C</i>	πd , or $2\pi r$	<i>A</i>	πr^2
	$\pi(10)$		$\pi(5)^2$
	3.14(10)		3.14(25)
	31.4 cm		78.5 cm ²

Use 3.14 or $\frac{22}{7}$ to approximate π .



A **central angle** of a circle has sides that are radii of the circle.

A **sector** of a circle is enclosed by two radii and the **arc** connecting them.

