



Explore It!



The distance around a circle and the distance across a circle are related.



Lesson 8-5

Solve Problems Involving Circumference of a Circle



Go Online

I can...

solve problems involving radius, diameter, and circumference of circles.

A. Use string to measure the distance across each circle. How many of these lengths does it take to go completely around the circle?

B. Use the string and a ruler to measure the distance across the circle and the distance around the circle. Complete the table. Round each measurement to the nearest quarter inch.

	Button	Disk	Dartboard
Distance Around the Circle	<input type="text"/>	<input type="text"/>	<input type="text"/>
Distance Across the Circle	<input type="text"/>	<input type="text"/>	<input type="text"/>

C. What do you notice about the ratio of the distance around the circle to the distance across the circle for each circle?

Focus on math practices

Look for Relationships How can you estimate the distance around any circle when given the distance across the circle?