

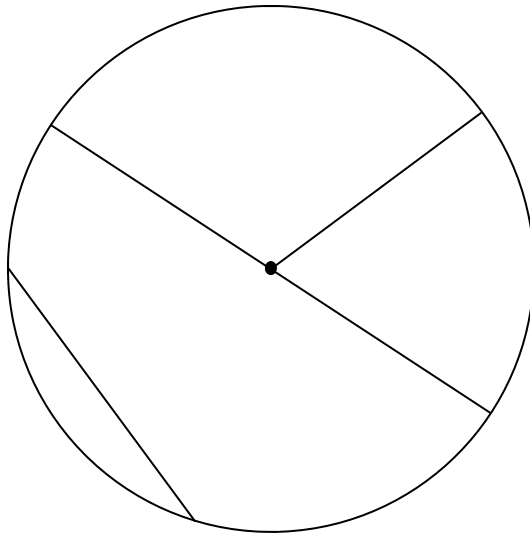
# Circle Explorations

Name \_\_\_\_\_

Date \_\_\_\_\_

## Part 1 - Circle Parts

Use a different color to shade in each box in the key. Then identify each part of the circle below by tracing it with the designated color.

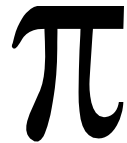


### Key

- Circumference
- Center
- Diameter
- Radius
- Chord
- Arc

## Part 2 - Measuring Circles

A cross-sectional slice of a cylinder is a circle, so you will measure a variety of cylinders for this activity. Working with a partner and using string or a tape measure, measure the circumference and diameter of each cylinder to the nearest tenth of a centimeter. Then divide the circumference by the diameter and record the result. What pattern do you notice?



Object	Circumference	Diameter	$C \div D$

**Big Idea:** What relationship did you discover between the circumference and diameter of a circle?

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