

## Constructing Circles Lesson Worksheet

Name \_\_\_\_\_

Define and draw an example of each of the following:

Radius: \_\_\_\_\_

Diameter: \_\_\_\_\_

Concentric: \_\_\_\_\_

Area: \_\_\_\_\_

Circumference: \_\_\_\_\_

Fill in the radius and diameter using measurements from the circles you construct during the project:

Circle	Radius	Diameter	Area	Circumference
A				
B				
C				
D				
E				

(circle A is the smallest)

What is the formula for the area of a circle? \_\_\_\_\_

Use this formula to find the area of each circle and enter it in the chart.

Use a piece of string and a ruler to measure the circumference of each of your circles and enter it in the chart.

What is the relationship between the circumference and the diameter? \_\_\_\_\_

\_\_\_\_\_

What do we call this number? \_\_\_\_\_

What is the formula for circumference? \_\_\_\_\_

Double-check your measurements for circumference using the formula. Make any needed corrections in the chart.