

## Identifying Circles in Pottery Logbook

Using the definitions listed, draw and label the following on the circle below.

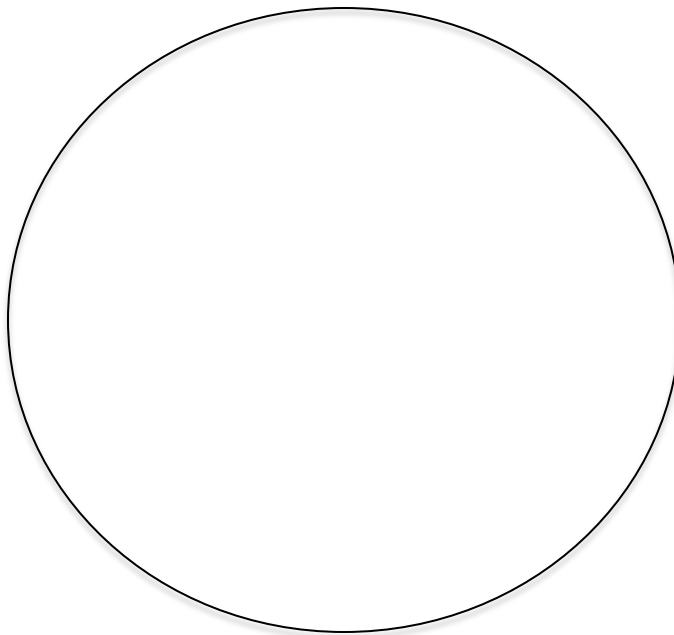
**Radius** - The line length from the mid point of a circle to the outside edge

**Diameter** - The line length from one side of the circle to the other that goes through the mid point

**Chord** - The length of a line that goes from one edge of a circle to another but does not go through the mid point

**Center** - The very middle point of a circle-it is the same distance to all points on the outside of the circle

**Circumference** - Length of the outside of the circle



Measure the radius and write the length in cm: \_\_\_\_\_

Measure the diameter and write the length in cm: \_\_\_\_\_

What do these two numbers have in common?

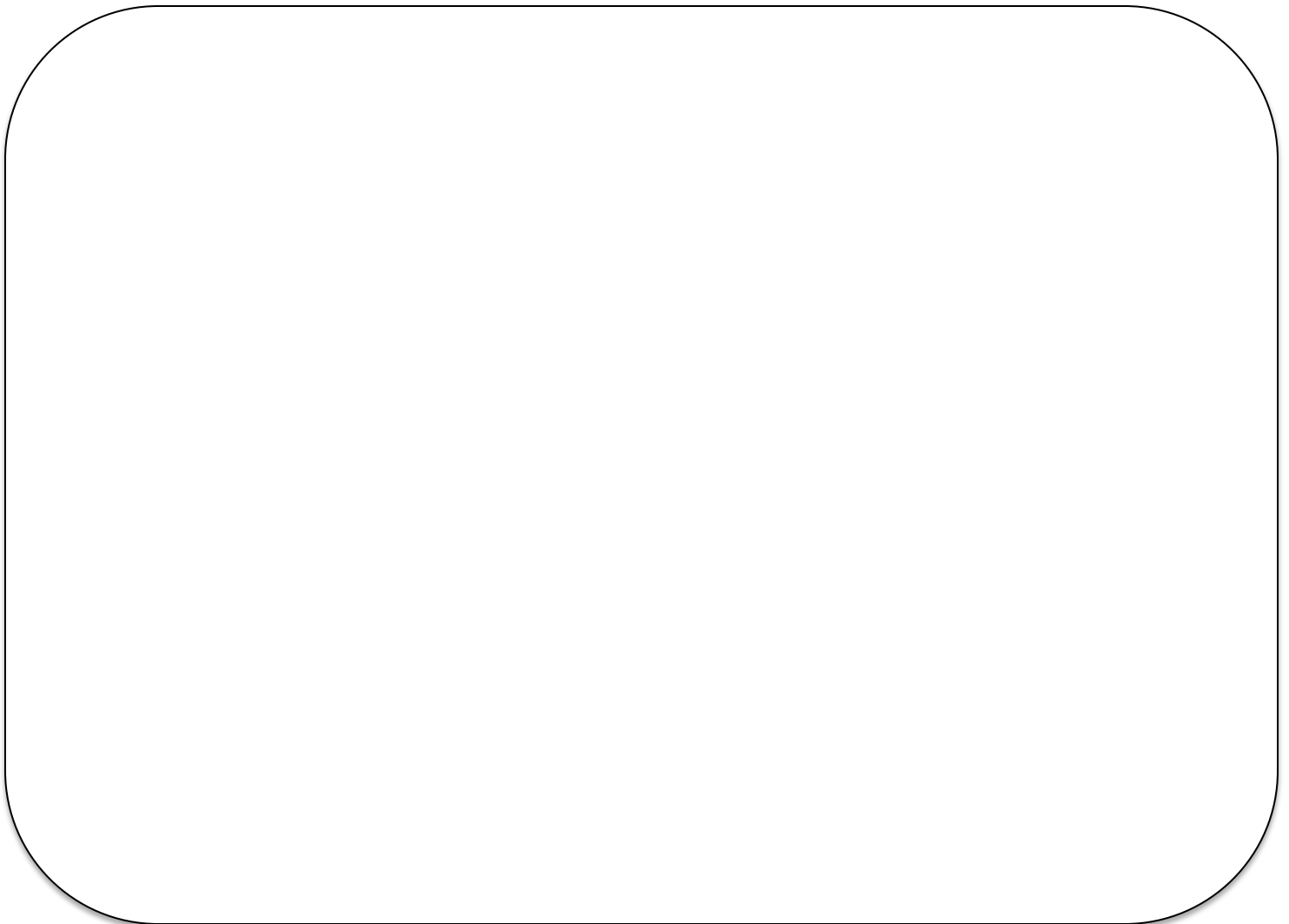
Now, take a string and wrap it around the outside of the circle to measure it.

What is the length in cm of the string? \_\_\_\_\_

Do you see any relationship between the circumference of the circle and the diameter of the circle?



Next, find an object at your house that you use that is circular. Draw what your object looks like and label it.



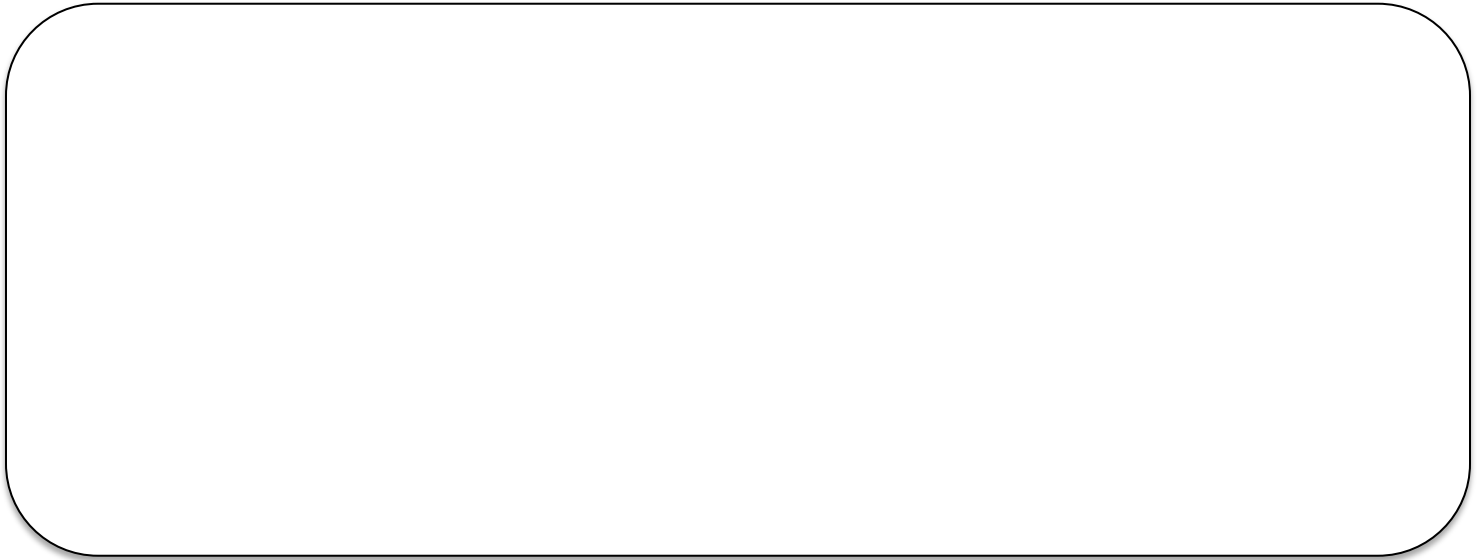
Measure the diameter, radius, and circumference of one of the circles on your object. Write your measurements below.

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

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

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

Do you see the same patterns with how your measurements relate as you did before with the first circle? Explain why you said yes or no.



Rewatch Adam's video. Is the object that you chose a closed or open vessel? Explain how you know, and tell me how the design on it would be different if it were the opposite kind.

