



Everyday Engineering

Go On a Circle Hunt and Measure for Pi

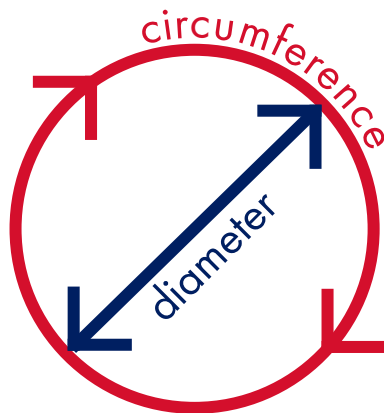
First, go on a **Circle Hunt** around your home. There are circles all around us! How many circles can you find? Can you find 10 circles in your home? What about circles outside? What's the biggest circle you can find? The smallest?

Next, measure for **Pi**. Pi is a mathematical constant that is the ratio of any circle's circumference to its diameter. No matter which circle you measure you'll always end up with 3.14, also known as Pi.



What you need:

- A circle to measure. This can be a can or bottle. Anything circular will work! Try finding a few circles of different sizes.
- String
- Ruler
- Calculator



What you do:

1. Pick a circle from your Circle Hunt.
2. Measure the **circumference** of your circle. The circumference is the distance around the circle. You can measure this by wrapping the string around the circle and then measuring the string.
3. Measure the **diameter** of your circle. The diameter is the distance across the circle. Use your string or ruler to measure from one side of the circle to the other.
4. To find Pi, divide the circumference by the diameter. It's okay to use a calculator. No matter the circle, this number will always equal 3.14!