CIRCLES - π (PI)

NAME:

Thousands of years ago, people observed that circles of different sizes were similar. If you measure the **circumference** of any circle and divide it by its **diameter**, you will ALWAYS get the same answer. Later, this number was called, **Pi**, and represented by the Greek letter, π .

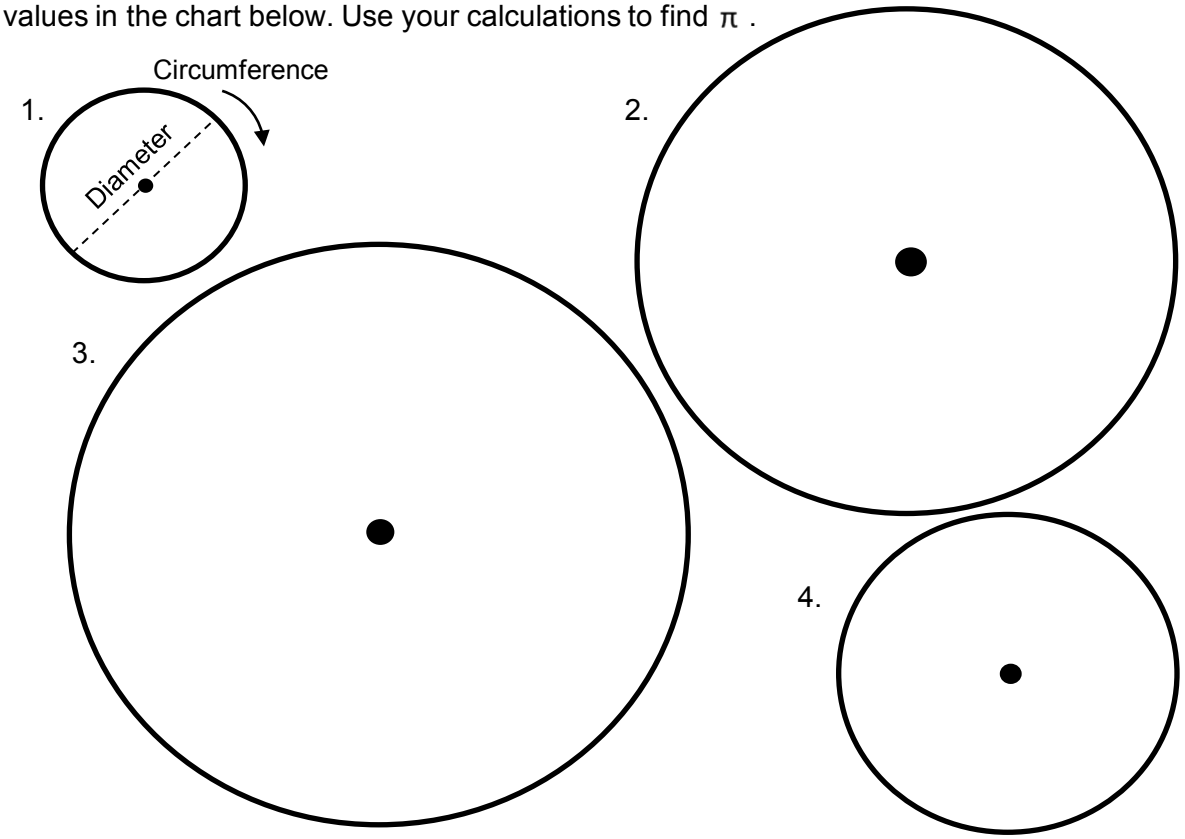
Circumference ÷ Diameter = π $\pi = 3.141592653589\ldots$

π (**Pi**) is an irrational number, which means it has an infinite number of decimal places (goes forever and ever), with no repeating pattern. So most of the time you can estimate Pi to **3.14**.

Now your turn. Cut out the ruler and carefully measure the diameter of each circle below. The circumference will be a little more challenging. Do you have any ideas on how to measure it?

Here is a hint: *It starts with "s" and ends in "g". It's footloose and totally free*.

Use either inches, centimeters, or millimeters to calculate the lengths and input your values in the chart below. Use your calculations to find π .



	Circumference	Diameter	C ÷ D = π	Actual answer for π
Circle #1				3.1415926535…
Circle #2				3.1415926535…
Circle #3				3.1415926535…
Circle #4				3.1415926535…

Why is your answer different than the actual π answer?