

Draw, doodle, or write a historical fact about Pi in the "history" box and an example of how we use it inside the "purpose" box.

Fill in the blanks.

Embellish, color, & doodle-decorate!

Pi is a special number with a decimal form that does not

_____ & doesn't terminate

The word "irrational" means that it cannot be written as a ratio, or _____.

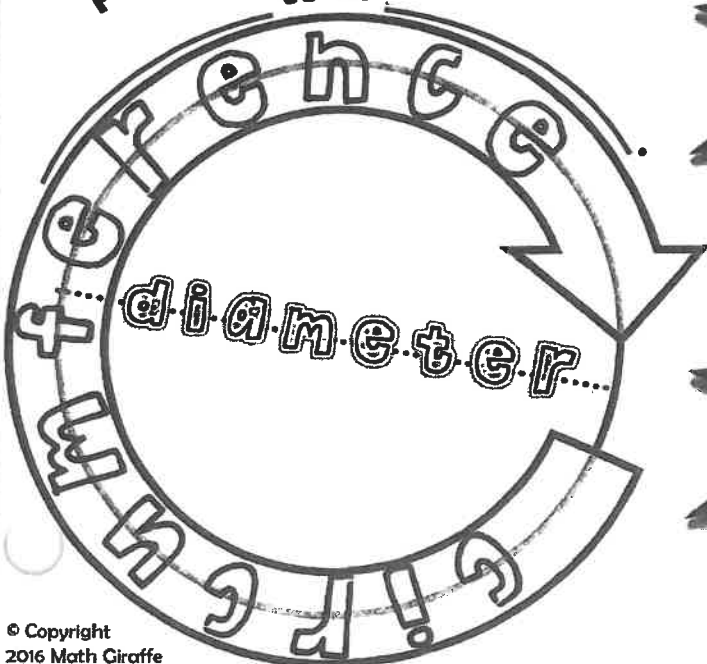
However, pi can be estimated:

$$\pi \approx \frac{22}{7}$$

is irrational

$$\pi \approx \text{3} \cdot \text{1} \cdot \text{4} \cdot \text{1} \cdot \text{5} \cdot \text{9}$$

Pi is the ratio of a circle's _____ to its _____.



history

purpose

Name _____

PI DAY ACTIVITY

Before you begin:

- What is the formula for finding the area of a circle? _____
- What is the formula for finding the circumference of a circle? _____
- What is the formula for finding the volume of a cylinder? _____

Directions:

1. Measure the diameter of the various circles you've been given.
2. Complete the table below in order to find out the radius, area, circumference and volume of each object.

Object	Radius (cm)	Diameter (cm)	Height	Base Area	Base Circumference	Volume	Surface Area