**CIRCUMFERENCE OF CIRCLES**
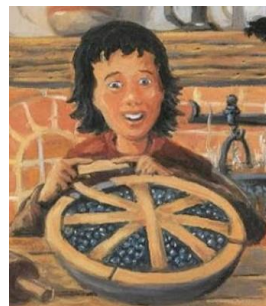
Name: _____ Class: _____ Due Date: _____

Family Member Signature: _____

**Objective:**

To practice finding the circumference of circles.

**Necessary Information:**

We read a book called "Sir Cumference and the Dragon of Pi" and discovered that the distance around a circle is about 3 times the distance across the middle.

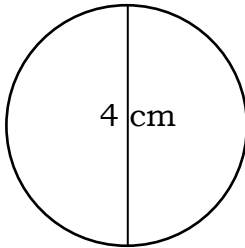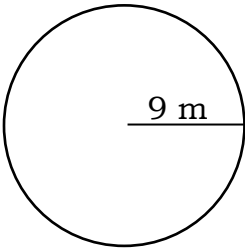$C = \pi \times d$ $\qquad\qquad$ $d = 2 \times r$ $\qquad\qquad$ $r = d \div 2$ $\qquad\qquad$ $\pi \approx 3$

Calculators Allowed.

**Practice Section:**

1. Fill in the blanks.

| Model | Radius | Diameter | Circumference |
|---|---|---|---|
| 4 cm | | | |
| 9 m | | | |
| | | | 624.3 km |

2.  A pizza is measured according to its diameter.  What is the circumference of a 12-inch pizza? Of an 18-inch pizza?  How much larger around is the 18-inch?

| 12-inch pizza | 18-inch pizza |
|---|---|
| | |

| How much larger around is the 18-inch? |
|---|
| |

3.  A bike tire has a radius of 8 cm.  What is the circumference of the tire? How far will the bike go in 5 revolutions (turns) of the tire?

**In _Your_ Real World:**

With a family member, find a circular object in your home.  Sketch and label radius OR diameter.  Calculate the approximate circumference of your item.