

## What is Pi

1. What is the formula for the area (A) of a circle?

a.  $A = r^2$

b.  $A = C^2$

c.  $A = \pi r^2$

d. none of the above

2. I'm trying to find a lid to fit a circular jar. If the jar opening has a radius of 3 inches, then what is the area of the lid I need approximately?

a. 30 inches<sup>2</sup>

b. 9 inches<sup>2</sup>

c. 28.27 inches<sup>2</sup>

d. 30.14 inches<sup>2</sup>

3. What is the ratio between circumference and diameter?

a. a little over 3

b. exactly 3

c. a little over 4

d. exactly 4

4. I am putting ribbon around circular glass candle holders. The diameter of each candle holder is 6 inches. How much ribbon would I need to go all the way around one candle holder?

a.  $6 \cdot 3 = 18$  inches

b.  $6 \cdot 3.41 = 20.46$  inches

c.  $6 \cdot 3.14 = 18.84$  inches

d.  $6 \cdot 4 = 24$  inches