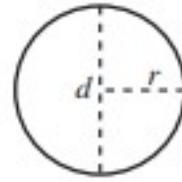


SOL 6.7ab Smart Slides

1. When Elyse moved last weekend, the circular glass top for an end table broke. To replace it, she bought a circular glass top with a diameter of 22 inches. What is the approximate area of the circular glass top Elyse bought? (Use 3.14 for π .)

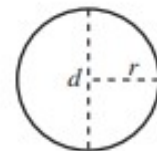


$$C = 2\pi r$$

$$C = \pi d$$

$$A = \pi r^2$$

2. If the radius of a circle is 10 cm, what is the area of the circle? (Use 3.14 for π .)



$$C = 2\pi r$$

$$C = \pi d$$

$$A = \pi r^2$$

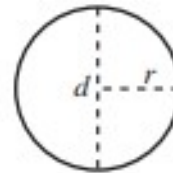
3. What is the definition of pi (π)?

Pi= the ratio between the _____ and the _____ of a circle.

4.



On a circular playground, the distance from its center to the edge of the playground is 36 feet. What is the approximate circumference of the playground? (Use 3.14 for π .)



$$C = 2\pi r$$

$$C = \pi d$$

$$A = \pi r^2$$

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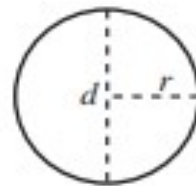
5.

Holly traced 4 circles, each with a different diameter, on a piece of paper. For each circle, she laid a piece of string along the outline and then measured the length of the string. Her results are shown in the table below.

What conclusion could Holly make about the ratio of the circumference of a circle to the diameter?

Diameter	Length of String
7 in	22 in
14 in	44 in
21 in	66 in
28 in	88 in

6. The diameter of a circle is 13 centimeters. What is the circumference of the circle? (Use $\frac{22}{7}$ for π .)

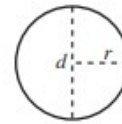
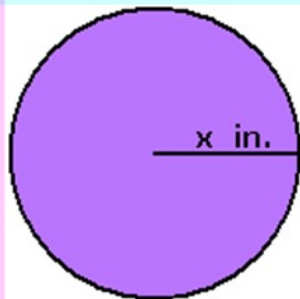


$$C = 2\pi r$$

$$C = \pi d$$

$$A = \pi r^2$$

7.



$$C = 2\pi r$$

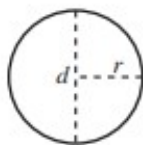
$$C = \pi d$$

$$A = \pi r^2$$

If the radius of the circle above is 11 inches, what is the circumference of the circle?
(Assume $\pi = 3.14$)

8.

A regulation basketball hoop has a rim with an 18-inch diameter. What is the approximate length around the rim of a regulation basketball hoop? (Use 3.14 for π .)



$$C = 2\pi r$$

$$C = \pi d$$

$$A = \pi r^2$$



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9.

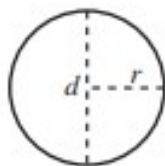


Kim ordered a pizza for dinner. She measured its dimensions and found that the diameter, d , is 11 inches, and the circumference is 34.54 inches.

What is the ratio of the circumference of the pizza to its diameter?

10.

The pizza shown has a radius of 11 cm.
What is the approximate area of the pizza?
(Use 3.14 for π .)



$$C = 2\pi r$$

$$C = \pi d$$

$$A = \pi r^2$$



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