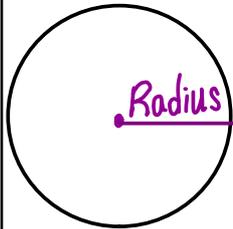


Circles - Diameter vs. Radius 3/4

Diameter - The distance across the entire circle. It cuts the circle completely in half.



Radius - Half the diameter - Starts at the center of a circle and extends to the outside.



Diameter = Double the radius ($\times 2$)
 Radius = Half the diameter ($\div 2$)

Find the radius given the diameter and vice versa

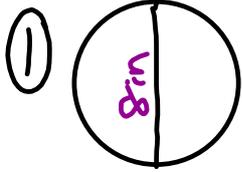
1. $D = 12 \text{ in.}$
 $R = 6 \text{ in}$

2. $D = 13 \text{ ft}$
 $R = 6.5 \text{ ft.}$

3. $R = 7 \text{ m}$
 $D = 14 \text{ m}$

4.  $R = 8 \text{ in}$
 $D = 16 \text{ in}$

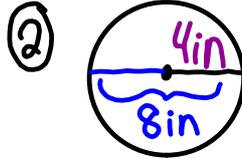
Find the circumference of each circle.



$$C = \pi \cdot d$$

$$C = \pi \cdot 8$$

$$C = 25.1 \text{ in}$$



$$C = 2\pi r$$

$$C = 2 \cdot \pi \cdot 4$$

$$C = 25.1 \text{ in}$$

ON OWN

③ $r = 5 \text{ ft}$

$$C = 2\pi r$$

$$C = 2 \cdot \pi \cdot 5$$

$$C = 31.4 \text{ ft.}$$

④ $d = 15 \text{ cm}$

$$C = \pi \cdot d$$

$$C = \pi \cdot 15$$

$$C = 47.1 \text{ cm}$$

5. A pie has a diameter of 7.5 inches. What is the circumference of the pie crust?

$$C = \pi d$$

$$C = \pi \cdot 7.5$$

$$C = 23.6 \text{ in}$$