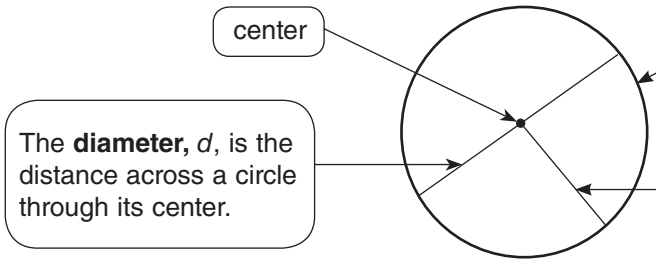
NAME Natalee Costa DATE 3/24/21 PERIOD 1

Lesson 1 Reteach

Circumference



The diameter of a circle is twice its radius.	$d = 2r$
The radius is half the diameter.	$r = \frac{d}{2}$
The circumference of a circle is equal to π times its diameter or π times twice its radius.	$C = \pi d$ $C = 2\pi r$

Example 1

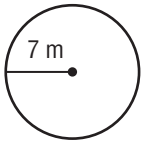
The radius of a circle is 7 meters. Find the diameter.

$d = 2r$

$d = 2 \cdot 7$ Replace *r* with 7.

$d = 14$ Multiply.

The diameter is 14 meters.



Example 2

Find the circumference of a circle with a radius that is 13 inches. Use 3.14 for π. Round to the nearest tenth.

$C = 2\pi r$ Write the formula.

$C \approx 2 \times 3.14 \times 13$ Replace *r* with 13 and π with 3.14.

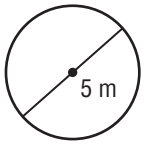
$C \approx 81.64$ Multiply.

Rounded to the nearest tenth, the circumference is about 81.6 inches.

Exercises

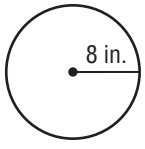
Find the circumference of each circle. Use 3.14 or $\frac{22}{7}$ for π. Round to the nearest tenth if necessary.

1.



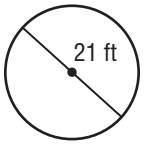
=15.7 m

2.



=50.24 in

3.



=131.88 ft