

# CIRCUMFERENCE

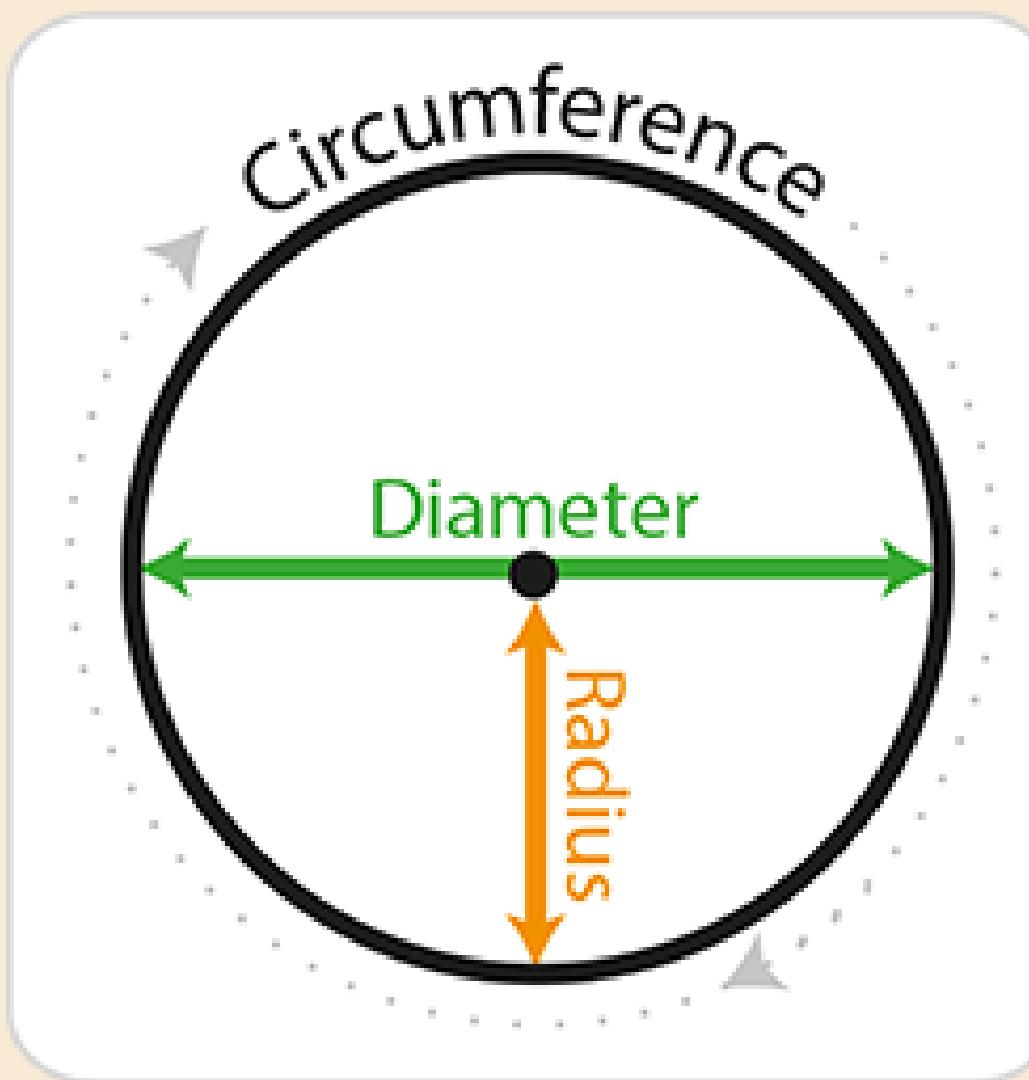
The circumference of a circle is the distance around its outer edge.



# OBJECTIVES

- ◆ Apply the formulas for calculating circumference in various contexts.
- ◆ Demonstrate proficiency in measuring and calculating circumference accurately.

# FORMULA



C = circumference

D = diameter

$\pi = 3.14$

r = radius

$$c = \pi d$$

$$c = 2\pi r$$

## **EXAMPLE# 1**

Find the circumference of  
the circle with a radius of 8  
cm.

**Solution:**

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cm.

**Solution:**

$$\text{Circumference} = 2 * \pi * R$$

$$= 2\pi R$$

$$= 2 * 3.14 * 8$$

$$= 50.24 \text{ cm.}$$

## **EXAMPLE # 2**

Calculate the  
circumference of a circle  
whose diameter is 70 mm

**Solution:**

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Calculate the  
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**Solution**

$$\text{Circumference} = \pi * D$$

$$= \pi D$$

$$= 3.14 * 70$$

$$= 219.8 \text{ mm}$$

## **EXAMPLE # 3**

Calculate the perimeter of  
a circular flower garden  
whose radius is 10 m.

**Solution:**

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a circular flower garden  
whose radius is 10 m.

**Solution**

$$\text{Circumference} = 2 * \pi * R$$

$$= 2\pi R$$

$$= 2 * 3.14 * 10$$

$$= 62.8 \text{ m}$$



**SEE YOU NEXT TIME**