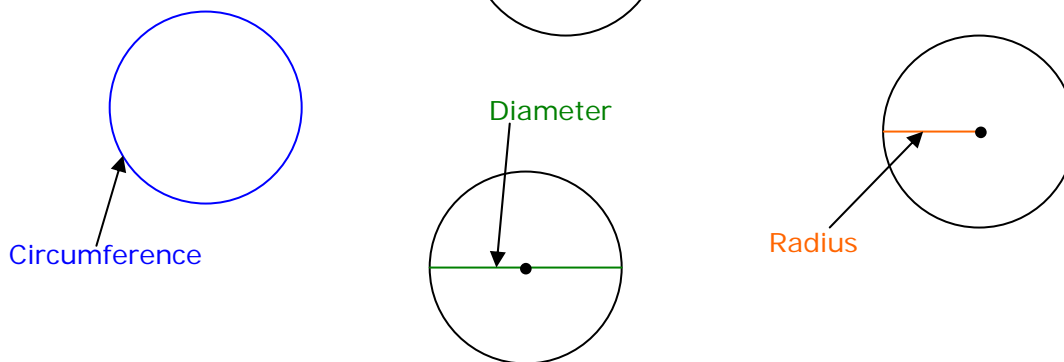


Finding the Circumference of a Circle

Windjammer Center, Slam Dunk Task: Paint the lines.

Vocabulary:



The formula for finding the Circumference of a circle is: $C = \pi d$ where d represents the **diameter** of the circle.

The formula may also be written: $C = 2\pi r$ where r is the **radius** of the circle.

Example 1: The **diameter** of a circle is **16 cm**. Find the circumference of the circle.

$$\begin{aligned}C &= \pi d \\C &= \pi(16 \text{ cm}) \\C &\approx 50.27 \text{ cm}\end{aligned}$$

Answer: The circumference of the circle is approximately 50.27 cm.

Example 2: The **radius** of a circle is **16 cm**. Find the circumference of the circle.

$$\begin{aligned}C &= 2\pi r \\C &= 2\pi(16 \text{ cm}) \\C &\approx 100.53 \text{ cm}\end{aligned}$$

Answer: The circumference of the circle is approximately 100.53 cm.