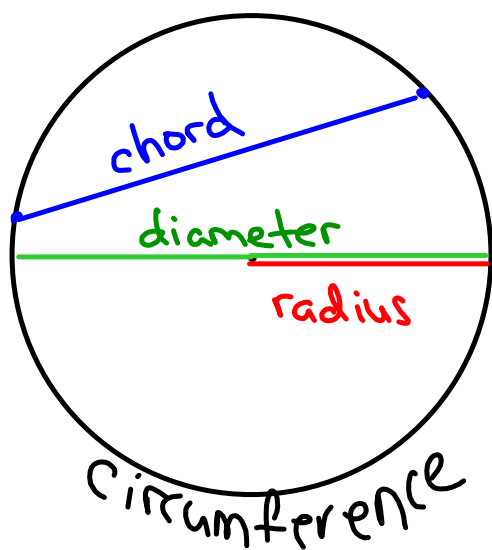


4-19-17

Aim: SWBAT develop and use the circumference formula.

Do Now: Calculator and Circles Packet

HW: Finish Circumference WS



• 1 diameter = 2 radii

• 1 radius = $\frac{1}{2}$ diameter

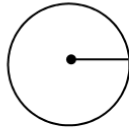
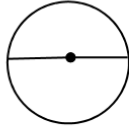
$$C = \pi d$$

$$C = 2\pi r$$

Circumference of a Circle

Find the circumference of the circle using $C = 2\pi r$. Write your answer four different ways.

EXACT

<p>1. A circle with radius 5 cm.</p> 	<p>Answer in terms of π.</p> <p>$C = 2\pi r$ $C = 2 \cdot \pi \cdot 5$ $C = 10\pi \text{ cm}$</p>	<p>Answer using the π button.</p> <p>$C = 2\pi r$ $C = 2 \cdot \pi \cdot 5$ $C = 10\pi$ $C = 31.41592654 \dots \text{ cm}$</p>	<p>Answer rounded to the nearest tenth.</p> <p>$C \approx 31.4 \text{ cm}$</p>	<p>Answer using $\pi \approx 3.14$.</p> <p>$C = 2\pi r$ $C \approx (2)(3.14)(5)$ $C \approx 31.4 \text{ cm}$</p>
<p>2. A circle with diameter 20 inches.</p> 	<p>Answer in terms of π.</p>	<p>Answer using the π button.</p>	<p>Answer rounded to the nearest tenth.</p>	<p>Answer using $\pi = 3.14$.</p>