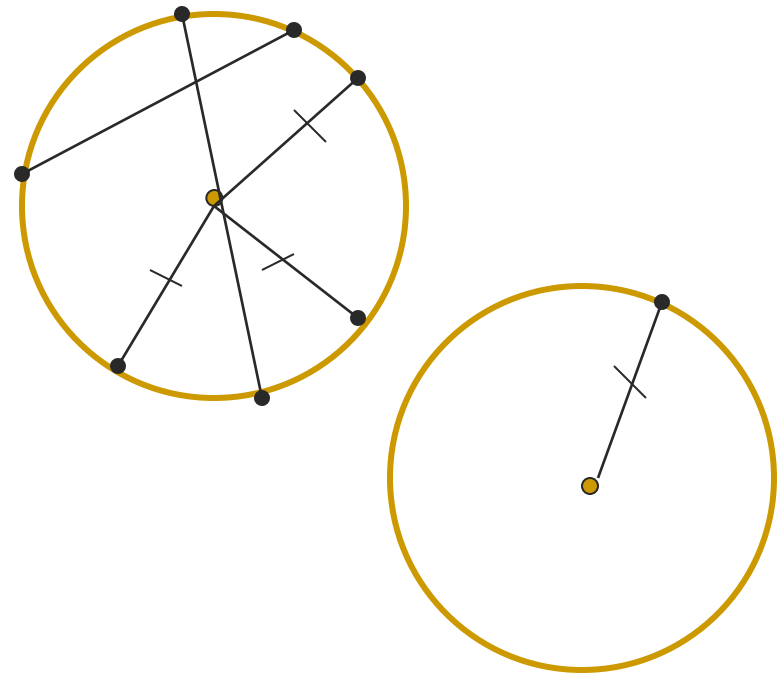


[§9.1 Exploring Circles]

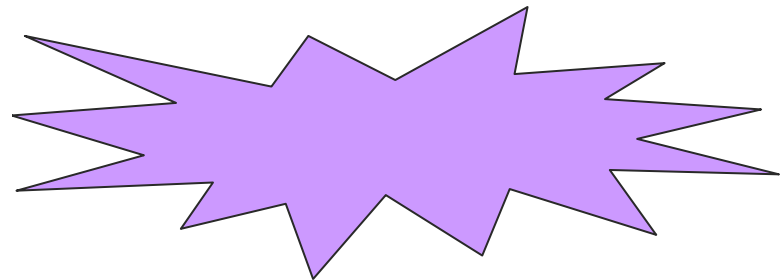
■ Definitions

- Circle
- Center
- Radius
- Congruent Circles
- Diameter
- Chord



[§9.1 Exploring Circles]

- The size of a bicycle is determined by the diameter of the wheel. So a 26-inch bicycle has a wheel with 26-inch diameter. What is the length of a spoke of a 26-inch bicycle?



[§9.1 Exploring Circles]

- Circumference

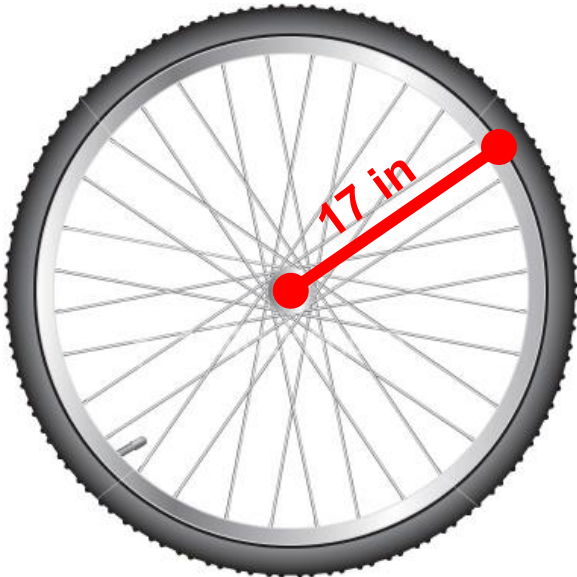
- The distance around a circle is called the **circumference**.

- Circumference of a Circle

- If a circle has a circumference of C units and a radius of r units, then $C = 2\pi r$.

[§9.1 Exploring Circles]

- If the radius of a bicycle wheel is 17 inches, and the wheel turned 10,500 revolutions, how far did the bicycle travel?



[§9.1 Exploring Circles]

- Find the exact circumference of $\odot P$

