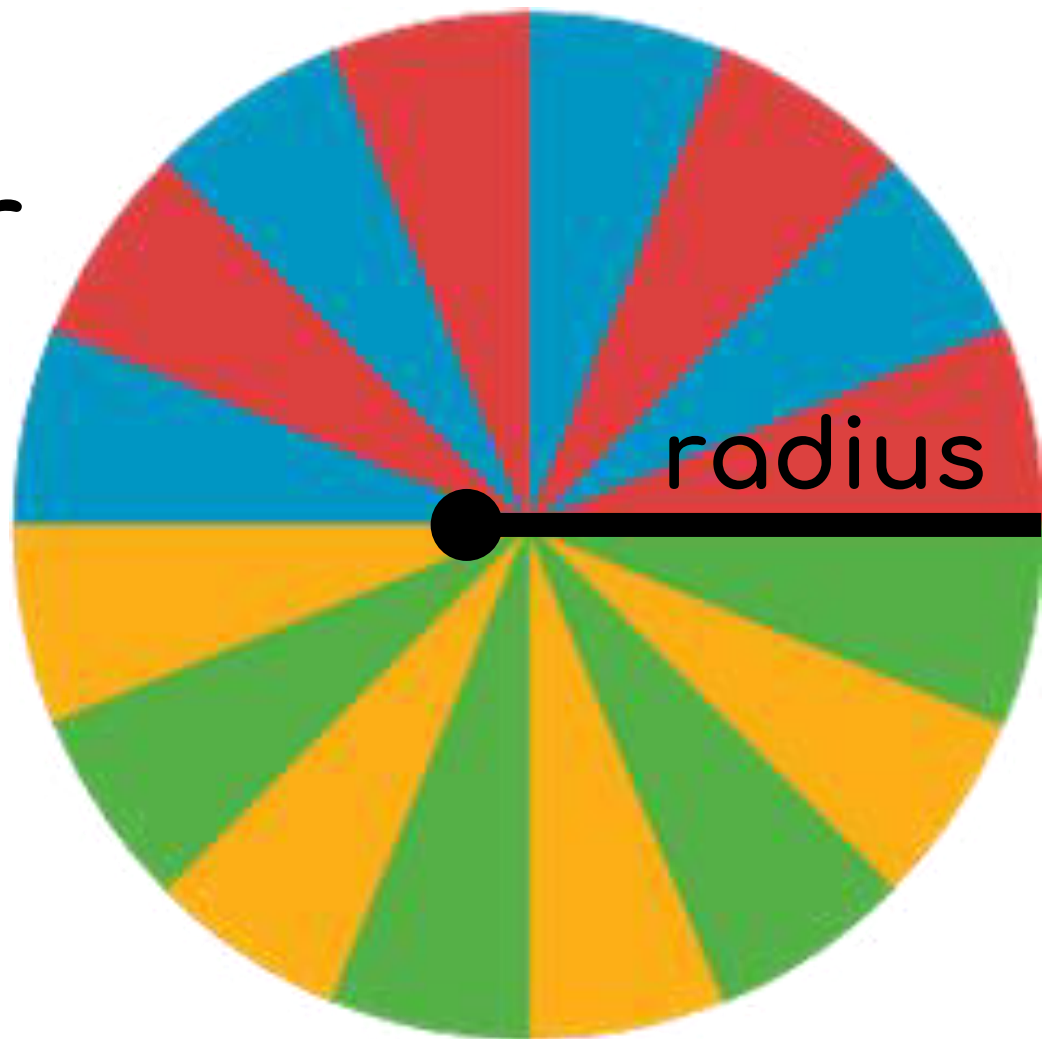


Relating Area to Circumference

$$c = \pi d$$

$$c = 2\pi r$$



$$\frac{1}{2} \text{ circumference} = \pi r$$

$$\text{Area} = \text{base} \cdot \text{height}$$

$$\text{Area} = \frac{1}{2} \text{ circumference} \cdot \text{radius}$$

$$\text{Area} = \pi r \cdot r$$

$$\text{Area} = \pi r^2$$

