

How many square inches
is my 14 inch pizza?

$$\begin{aligned} A &= \pi \cdot 7^2 \\ &= 49\pi \\ &\approx 154 \text{ in}^2 \end{aligned}$$



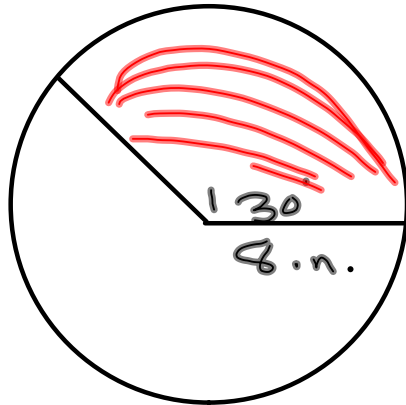
Area of whole pizza

$$A = \pi \cdot 6^2$$

Fractional = 36π
part

$$\text{is } \frac{60}{360} = \frac{1}{6}$$

$$\frac{1}{6} \cdot 36\pi \approx 18.8 \text{ in}^2$$



Fractional Part of Total Area

$$\frac{130}{360} \cdot \pi \cdot 8^2$$

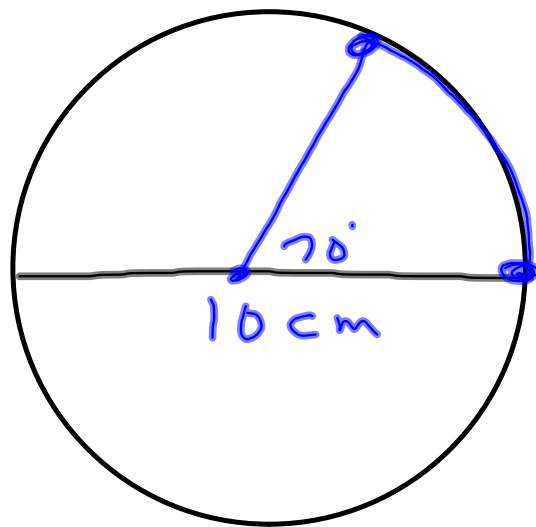
$$\approx 72.6 \text{ in}^2$$



Fractional Part of Whole Area

$$\frac{80}{360} \cdot \pi \cdot 6^2$$

$$\approx 25.1 \text{ in}^2$$



Circumference

$$C = \pi \cdot d$$

$$\frac{70}{360} \cdot \text{Total Circumference}$$

$$\frac{70}{360} \cdot 10 \pi$$