

So we may see we are getting close to a constant.
(Irrational number)

Π

3.141592653589793238462643383279502884197169399
3751058209749445923078164062862089986280348253
421170679...

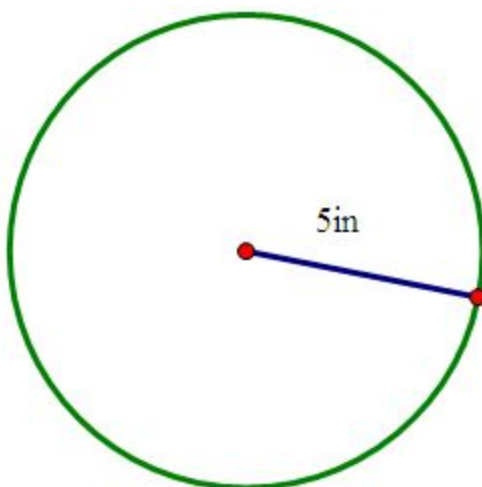
Circumference = Π * Diameter

Or

Circumference = Π * 2 * Radius

We will use the approx. of 3.14

1) What is the Circumference?

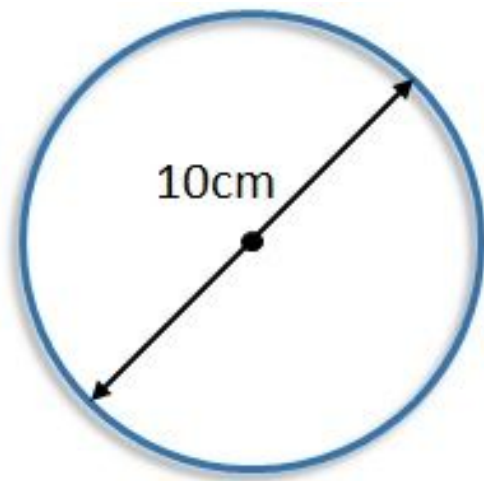


$$C = \Pi * 2 * R$$

$$C = 10 \Pi$$

$$C \approx 31.4 \text{ in}$$

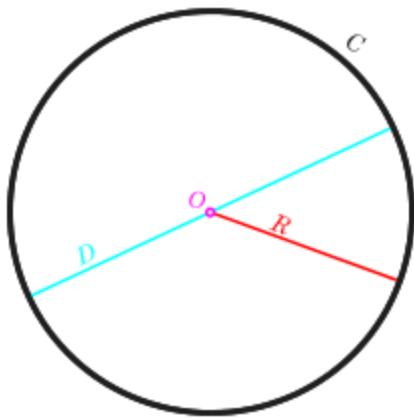
2) What is the Circumference?



$$C = 10 \pi$$

$$C \approx 31.4 \text{ cm}$$

3) Circumference is 62.8 cm



What is D? $62.8/3.14 \approx 20$ cm

What is R? $20\text{cm}/2 \approx 10\text{cm}$

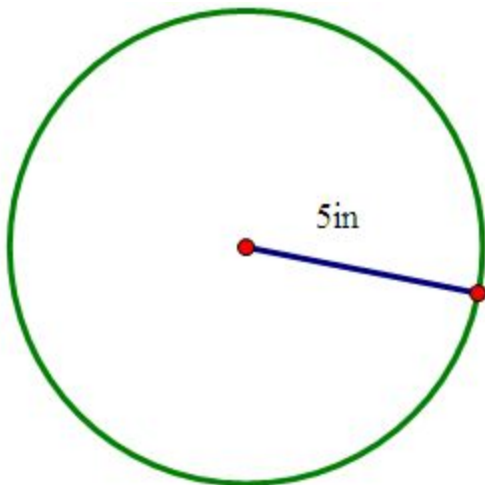
Area of a circle?

Such a cool video!!!!

<https://www.youtube.com/watch?v=YokKp3pwVFc>

$$A = \pi r^2$$

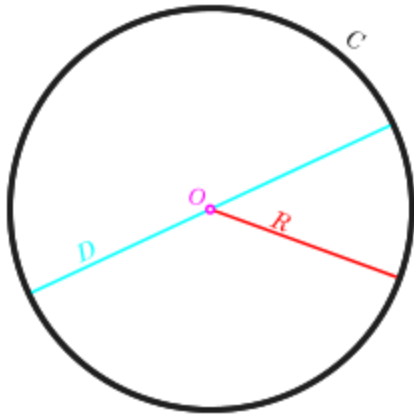
What is the Area?



$$A = 25\pi \text{ in}^2$$

$$A \approx 78.5 \text{ in}^2$$

Circumference is 62.8 cm



What is the area?

Diameter $\approx 20\text{cm}$

Radius $\approx 10\text{cm}$

Area $\approx 100\pi\text{ cm}^2$

Area $\approx 314\text{ cm}^2$