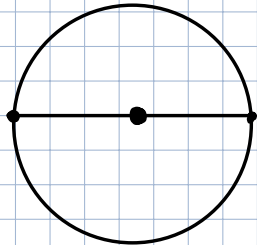


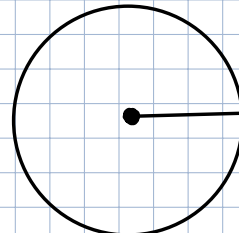
2/11/20

Parts of a circle and circumference.



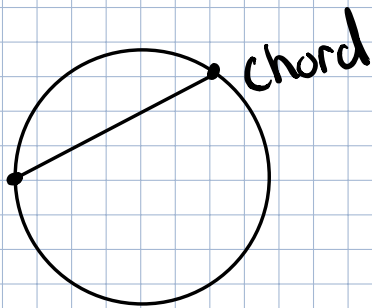
diameter

$$d = 2r$$

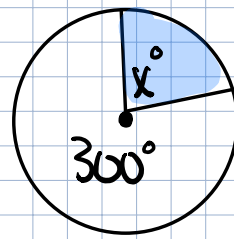


radius

$$d = 16 \text{ ft}$$
$$r = 8 \text{ ft}$$



chord

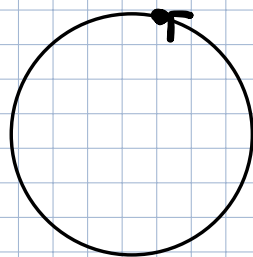


Central angle

360°

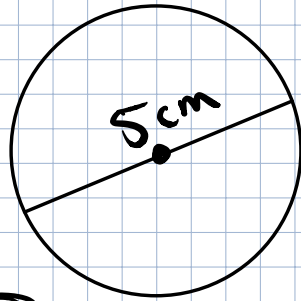
$$x = 60^\circ$$

Circumference = distance around the outside



perimeter



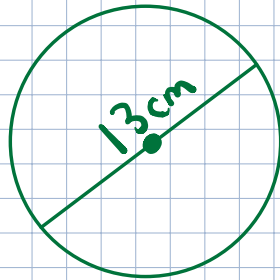


$$\frac{C}{d} = \pi$$

$$\pi \approx 3.14$$

$$d = 2r$$

$$C = \pi d \text{ or } C = 2\pi r$$

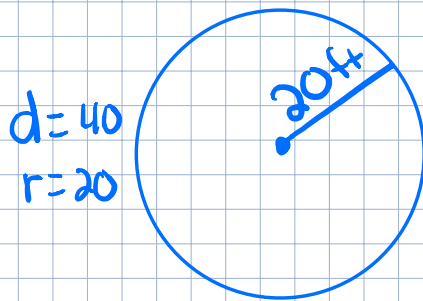


$$C = \pi d$$

$$\pi \approx 3.14$$

$$C = 3.14(13)$$

$$C \approx 40.82 \text{ cm}$$



$$d = 40$$
$$r = 20$$

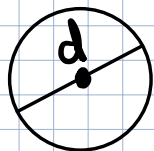
$$C = \pi d$$

$$C = 3.14(40)$$

$$C \approx 125.6 \text{ ft}$$

$$C = 2\pi r$$

$$C = 2(3.14)(20)$$



$$C = 213.52 \text{ in}$$

$$C = \pi d$$

$$213.52 = 3.14d$$

$$d = 68 \text{ in}$$

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