

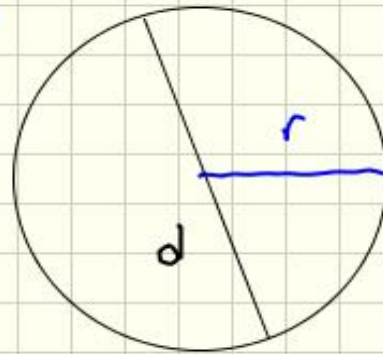
# Geometri

Cirkelns area och omkrets.

Formler för cirkeln:

$$A = r \cdot r \cdot \pi$$

$$O = d \cdot \pi$$

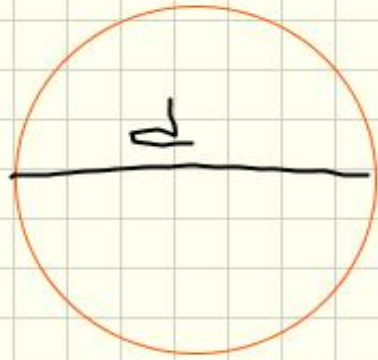


$r = \text{radie (halva diameter)}$

$d = \text{diameter (} 2 \cdot r \text{)}$

$$\pi = 3,14$$

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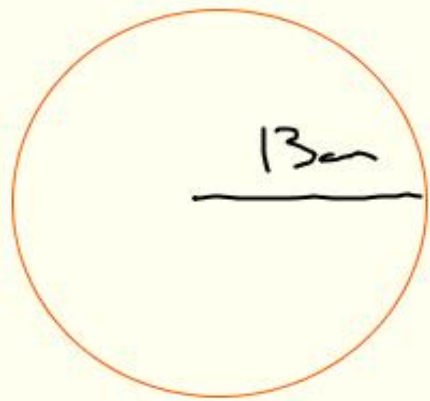


$$d = 20 \text{ cm}$$

$$r = ? \quad 10 \text{ cm}$$

$$A = r \cdot r \cdot \pi \Rightarrow 10 \cdot 10 \cdot 3,14 = 314 \text{ cm}^2$$

$$O = d \cdot \pi \Rightarrow 20 \cdot 3,14 = 628 \text{ cm}$$



$$r = 13 \text{ cm}$$

$$d = 13 \cdot 2 = 26 \text{ cm}$$

$$\left\{ \begin{array}{l} A_c = r \cdot r \cdot \pi \\ O_c = d \cdot \pi \end{array} \right.$$

$$A = 13 \cdot 13 \cdot 3,14 = 530,66 \approx 531 \text{ cm}^2$$

$$O = 26 \cdot 3,14 = 81,64 \approx 82 \text{ cm}$$