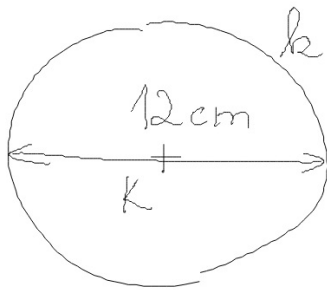


Vypočítej délku kružnice (obvod kruhu)



$$\sigma = 2 \cdot \pi \cdot r$$

$$\sigma = 2 \cdot \pi \cdot 6$$

$$\sigma = \underline{\underline{37,7 \text{ cm}}}$$

$l(L; 3,5 \text{ cm})$

$$\sigma = 2 \pi r$$

$$\sigma = 2 \cdot \pi \cdot 3,5$$

$$\sigma = \underline{\underline{21,99 \text{ cm}}}$$

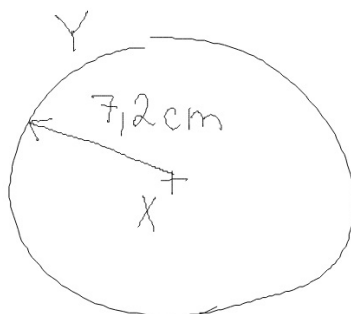
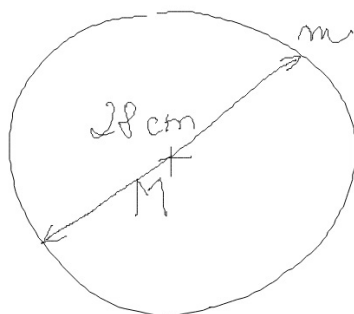
Kružka : průměr $\phi = 17 \text{ cm}$

$$O = 2 \times \pi \times r$$

$$O = 2 \times \pi \times 8,5$$

$$O = \underline{\underline{53,41 \text{ cm}}}$$

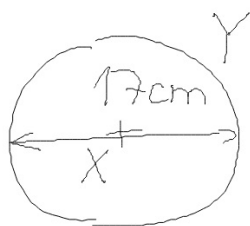
Vypočítej délku kružnice - obvod kruhu:



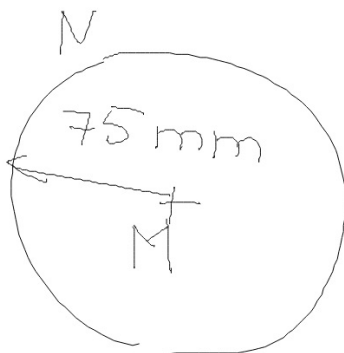
$$\begin{aligned} \sigma &= 2 \cdot \pi \cdot r \\ \sigma &= 2 \cdot \pi \cdot 14 \\ \sigma &= \underline{\underline{87,96 \text{ cm}}} \end{aligned}$$

$$\begin{aligned} \sigma &= 2 \times \pi \times r \\ \sigma &= 2 \times \pi \times 7,2 \\ \sigma &= \underline{\underline{45,24 \text{ cm}}} \end{aligned}$$

Vypočítej obsah kruhu:



$$\begin{aligned} S &= \pi \times r^2 \\ S &= \pi \times 8,5^2 \\ S &= \underline{\underline{226,98 \text{ cm}^2}} \end{aligned}$$



$$\begin{aligned} S &= \pi \cdot r^2 \\ S &= \pi \cdot 45^2 \\ S &= \underline{\underline{19691,46 \text{ mm}^2}} \end{aligned}$$

vzorec, je-li dan průměr-d

$$r = \frac{d}{2}$$

$$S = \pi r^2$$

$$S = \pi \cdot \left(\frac{d}{2}\right)^2$$

$$S = \pi \cdot \frac{d^2}{4}$$

$$S = \frac{\pi \cdot d^2}{4}$$