

OBSEG KROGA, uč. str. 164

1. a) $r = 4 \text{ cm}$
 $\sigma = ?$

$$\sigma = 2\pi \cdot r$$
$$\sigma = 2 \cdot 3,14 \cdot 4$$
$$\sigma = \underline{\underline{25,12 \text{ cm}}}$$

Polmer ni deljiv s 7, zato za približek lahko vzamemo 3,14.

e) $2r = 8,4 \text{ cm}$
 \Downarrow
 $r = 4,2 \text{ cm}$
 $\sigma = ?$

$$\sigma = 2 \cdot \pi \cdot r$$
$$\sigma = 2 \cdot \frac{22}{7} \cdot 4,2 \cdot 0,6$$
$$\sigma = \underline{\underline{26,4 \text{ cm}}}$$

Ker je 4,2 deljivo s 7 smo za približek vzeli $\frac{22}{7}$, da dobimo cm manj decimalk.

(ALI) $\sigma = \pi \cdot 2r = \frac{22}{7} \cdot 8,4 \cdot 0,6$
 $= \underline{\underline{26,4 \text{ cm}}}$

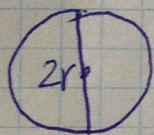
3. kovanec za 2€ $\Rightarrow 2r = 2,6 \text{ cm}$
 $\sigma = ?$

$$\sigma = \pi \cdot 2r$$
$$\sigma = 3,14 \cdot 2,6$$
$$\sigma = \underline{\underline{8,164 \text{ cm}}} \doteq \underline{\underline{8,2 \text{ cm}}}$$

Kovanec ima približno 8,2 cm velik obseg.

4. čipka: $2r = 1,8 \text{ m}$
 $\sigma = ?$

$$\sigma = \pi \cdot 2r$$
$$\sigma = 3,14 \cdot 1,8$$
$$\sigma = \underline{\underline{5,652 \text{ m}}}$$



Potrebujemo 5,652 m čipke.

5. $r = a$
 $\sigma = ?$

$$\sigma = 2 \cdot \pi \cdot r$$
$$\sigma = 2 \cdot \pi \cdot a \Rightarrow \text{obrazec } \checkmark$$