

REŠITVE 8.r (31.3)

Učb, str. 170, nal. 6

$$2r_1 = 2 \text{ cm} \Rightarrow r_1 = 1 \text{ cm}$$

$$2r_2 = 20 \text{ cm} \Rightarrow r_2 = 10 \text{ cm}$$

$$p_k = p_2 - p_1$$

$$p_k = \pi \cdot r_2^2 - \pi r_1^2$$

$$p_k = 3,14 \cdot 10^2 - 3,14 \cdot 1^2$$

$$p_k = 3,14 \cdot 100 - 3,14 \cdot 1$$

$$p_k = 314 - 3,14$$

$$p_k = \underline{\underline{310,86 \text{ cm}^2}}$$

Z2, str. 120, nal. 22

$$d_1 = 6 \text{ m} \Rightarrow r_1 = 3 \text{ m}$$

$$\underline{d_2 = \text{ m}} \Rightarrow r_2 = 4 \text{ m}$$

$$p_s = ?$$

$$p_s = p_2 - p_1$$

$$p_s = \pi r_2^2 - \pi r_1^2$$

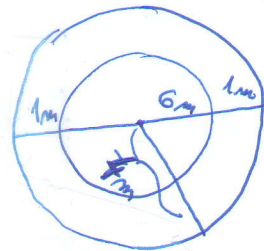
$$p_s = \pi \cdot 4^2 - \pi \cdot 3^2$$

$$p_s = 16\pi - 9\pi$$

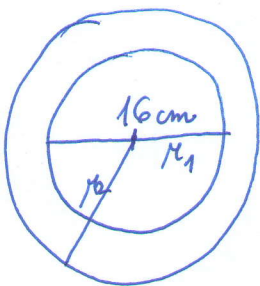
$$p_s = 7\pi = \frac{7}{1} \cdot \frac{22}{7}$$

$$p_s = 22 \text{ m}^2$$

Površina stene je 22 m^2 .



Z2, str. 127, nal 29



$$2r_1 = 16 \text{ cm}$$

$$r_1 = 8 \text{ cm}$$

$$p_k = 36\pi \text{ cm}^2$$

$$p_k = p_2 - p_1$$

$$p_k = \pi r_2^2 - \pi r_1^2$$

$$36\pi = \pi r_2^2 - \pi \cdot 64$$

$$36 = r_2^2 - 64$$

$$r_2^2 = 36 + 64$$

$$r_2^2 = 100$$

$$r_2 = \sqrt{100} = 10 \text{ cm}$$

$$o_2 = 2\pi r_2$$

$$o_2 = 2 \cdot \pi \cdot 10$$

$$o = \underline{\underline{20\pi \text{ cm}}}$$

Ali pa najprej izračunate ploščino malega kroga: $p_1 = 64\pi \text{ cm}^2$
 Ploščina velikega je enaka ploščini malega plus ploščina kolobarja. ~~IZ~~ ploščine pa dobite r_2 .