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VALJ

$$d = 50 \text{ cm} = 0,5 \text{ m}$$

$$N = 2 \text{ m}$$

$$V = 0,4 \text{ m}^3$$

$$r = 25 \text{ cm} = 2,5 \text{ dm} = 0,25 \text{ m}$$

Losa je  $0,4 \text{ m}^3$ 

$$V = \sigma \cdot v$$

$$V = 0,2 \cdot 2$$

$$V = 0,4 \text{ m}^3$$

$$\sigma = \pi r^2$$

$$\sigma = \pi \cdot 0,25$$

$$\sigma = \pi \cdot 0,0625$$

$$\sigma = 3,14 \cdot 0,0625$$

$$\sigma = 0,19625$$

$$\sigma = 0,2 \text{ m}^3$$

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STOŽEC

$$d = 14 \text{ cm}$$

$$s = 25 \text{ cm}$$

$$a) P = 224\pi \text{ cm}^2$$

$$b) V = 392\pi \text{ cm}^3$$

$$r = 7 \text{ cm}$$

Stožec

$$P = \sigma + pl$$

$$P = \pi r^2 + \pi r s$$

$$P = \pi r (r + s)$$

$$P = \pi \cdot 7 (7 + 25)$$

$$P = 7\pi \cdot 32$$

$$P = 224\pi \text{ cm}^2$$

$$V = \frac{\sigma \cdot v}{3}$$

$$V = \frac{49\pi \cdot 24,8}{3 \cdot 1}$$

$$V = 392\pi \text{ cm}^3$$

$$\sigma = \pi r^2$$

$$\sigma = \pi \cdot 7^2$$

$$N^2 = s^2 - r^2$$

$$N^2 = 25^2 - 7^2$$

$$N^2 = 625 - 49$$

$$N^2 = 576$$

$$N = 24 \text{ cm}$$

KOCKA

$a = 1 \text{ dm} = 10 \text{ cm}$

b)  $V = a^3$

$V = 10^3$

$V = 1000 \text{ cm}^3$

$$\begin{array}{r} 1000 \\ - 523 \\ \hline 477 \text{ cm}^3 \end{array}$$

Koliko %?

$$\begin{array}{l} 100\% \dots 1000 \text{ cm}^3 \\ x\% \dots 477 \text{ cm}^3 \text{ - odpadki} \end{array}$$

$$x = \frac{100 \cdot 477 \cdot 1\%}{1000 \cdot 10} = 47,7\%$$

Odpadlo bi 47,7% lesa

a) KROGLA

$r = 5 \text{ cm}$

$V =$

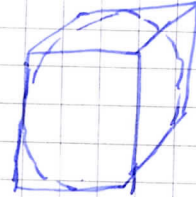
$V = \frac{4\pi r^3}{3}$

$V = \frac{4 \cdot 3,14 \cdot 5^3}{3}$

$V = \frac{1570}{3}$

a)  $V = 523 \text{ cm}^3$

$= 0,000523 \text{ m}^3$



c)  $m = \rho \cdot V$

$m = \frac{600 \text{ kg}}{\text{m}^3} \cdot \frac{0,000523 \text{ m}^3}{1} = 0,3138 \text{ kg}$

Masa krogle je 0,3138 kg.

c) Površina

$r = 5 \text{ cm}$

$$\begin{array}{r} 157 \\ + 78,5 \\ \hline 235,5 \end{array}$$

Površina meri 235,5 cm<sup>2</sup>

polkrogle:

$P = 4\pi r^2$

$P = 4 \cdot 3,14 \cdot 25$

$P = 314 \text{ cm}^2$

POLKROGLA

$314 : 2 = 157 \text{ cm}^2$

$S = \pi r^2$

$S = 3,14 \cdot 25$

$S = 78,5 \text{ cm}^2$