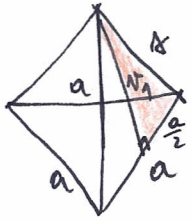


1) pravilna 3-str. piramida

$$a = 12 \text{ cm}$$

$$R = 10 \text{ cm}$$

$$P = 36\sqrt{3} + 144 \text{ cm}^2$$



$$P = N + pl$$

$$P = \frac{a^2\sqrt{3}}{4} + \frac{3 \cdot a \cdot N_1}{2}$$

$$P = \frac{144 \cdot \sqrt{3}}{4} + \frac{3 \cdot 12 \cdot 8 \cdot 4}{2}$$

$$P = 36\sqrt{3} + 144 \text{ cm}^2$$

$$N_1^2 = R^2 - \left(\frac{a}{2}\right)^2$$

$$N_1^2 = 100 - 36$$

$$N_1 = \sqrt{64}$$

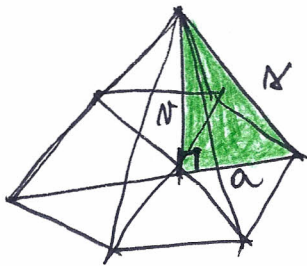
$$N_1 = 8 \text{ cm}$$

4) pravilna 6-str. piramida

$$N = 54\sqrt{3} \text{ dm}^2$$

$$R = 10 \text{ dm}$$

$$V = 144\sqrt{3} \text{ dm}^3$$



$$V = \frac{N \cdot N}{3}$$

$$V = \frac{54\sqrt{3} \cdot 8}{3}$$

$$V = 144\sqrt{3} \text{ dm}^3$$

$$N = \frac{6 \cdot a^2\sqrt{3}}{4}$$

$$a^2 = \frac{4 \cdot N}{6 \cdot \sqrt{3}}$$

$$a^2 = \frac{4 \cdot 54\sqrt{3} \cdot 9}{6 \cdot \sqrt{3}}$$

$$a = 6 \text{ dm}$$

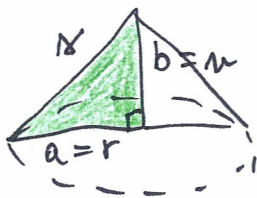
$$N^2 = R^2 - a^2$$

$$N^2 = 100 - 36$$

$$N = \sqrt{64}$$

$$N = 8 \text{ dm}$$

5.



STOŽEC

$$r = 15 \text{ cm}$$

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

$$R = 17 \text{ cm}$$

$$P = 480\pi \text{ cm}^2$$

$$V = 600\pi \text{ cm}^3$$

$$R^2 = r^2 + N^2$$

$$R^2 = 225 + 64$$

$$R = \sqrt{289}$$

$$R = 17 \text{ cm}$$

$$P = N + pl$$

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

$$P = \pi \cdot 225 + \pi \cdot 15 \cdot 17$$

$$P = 225\pi + 255\pi$$

$$P = 480\pi \text{ cm}^2$$

$$V = \frac{N \cdot N}{3}$$

$$V = \frac{\pi r^2 \cdot N}{3}$$

$$V = \frac{\pi \cdot 225 \cdot 8}{3}$$

$$V = 600\pi \text{ cm}^3$$