

pravilna 3-str. prizma

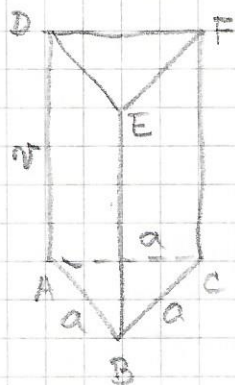
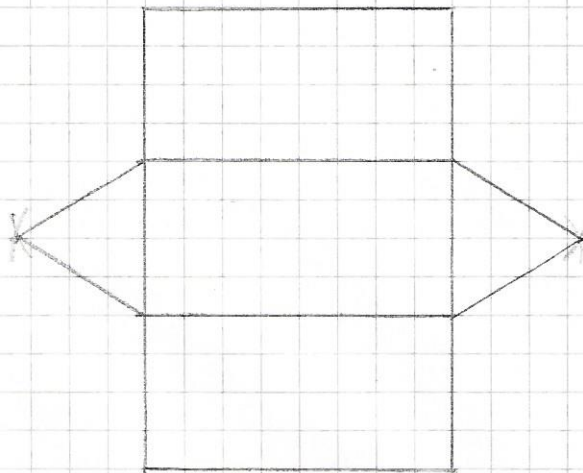
$$a = 2 \text{ cm}$$

$$v = 4 \text{ cm}$$

mreža

$$P = 27,46 \text{ cm}^2$$

$$V = 6,92 \text{ cm}^3$$



$$P = 2 \cdot S + pl$$

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

$$P = 2 \cdot \frac{4 \cdot \sqrt{3} \cdot 1}{4 \cdot 1} + 3 \cdot 2 \cdot 4$$

$$P = (2\sqrt{3} + 24) \text{ cm}^2$$

$$P = 27,46 \text{ cm}^2$$

$$V = S \cdot v$$

$$V = \frac{a^2 \sqrt{3}}{4} \cdot v$$

$$V = \frac{4 \cdot \sqrt{3} \cdot 1}{4 \cdot 1} \cdot 4$$

$$V = 4 \cdot \sqrt{3} \text{ cm}^3$$

$$V = 6,92 \text{ cm}^3$$

UČ str. 148/21

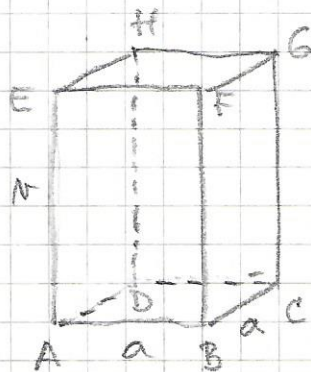
pravilna 4-str. prizma

$$pl = 240 \text{ cm}^2$$

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

$$V = 450 \text{ cm}^3$$

$$P = 352,5 \text{ cm}^2$$



$$pl = 4 \cdot a \cdot v$$

$$240 = 4 \cdot a \cdot 8$$

$$32a = 240 / :32$$

$$a = 7,5 \text{ cm}$$

$$V = S \cdot v$$

$$V = a^2 \cdot v$$

$$V = 7,5^2 \cdot 8$$

$$V = 450 \text{ cm}^3$$

$$P = 2 \cdot S + pl$$

$$P = 2 \cdot a^2 + pl$$

$$P = 2 \cdot 7,5^2 + 240$$

$$P = 2 \cdot 56,25 + 240$$

$$P = 112,5 + 240$$

$$P = 352,5 \text{ cm}^2$$

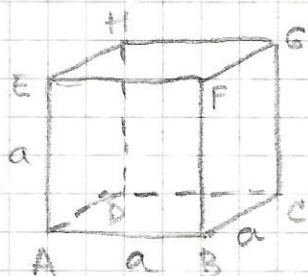
UČ str. 148/22

enakostrana 4-str. prizma

$$P = 600 \text{ cm}^2$$

$$V = 1000 \text{ cm}^3 = 1 \text{ dm}^3$$

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



KOCKA

$$P = 2 \cdot \sigma + p_l$$

$$P = 2 \cdot a^2 + 4 \cdot a^2$$

$$P = 6a^2$$

$$600 = 6 \cdot a^2$$

$$6a^2 = 600 : 6$$

$$a^2 = 100$$

$$a = \sqrt{100}$$

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

$$V = \sigma \cdot v$$

$$V = a^2 \cdot a$$

$$V = a^3$$

$$V = 10^3$$

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