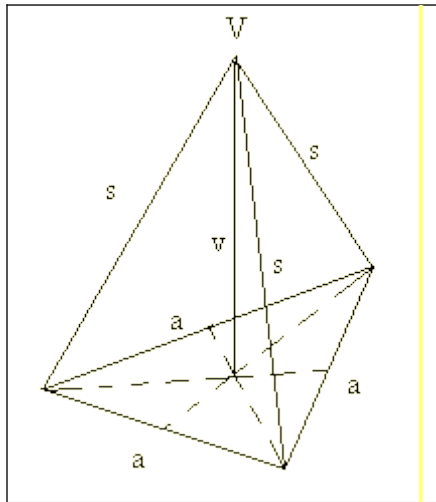


FORMULE ZA PIRAMIDE



PRAVILNA 3-STRANA PIRAMIDA ali ČETVEREC

$$O = \frac{a^2 \sqrt{3}}{4}$$

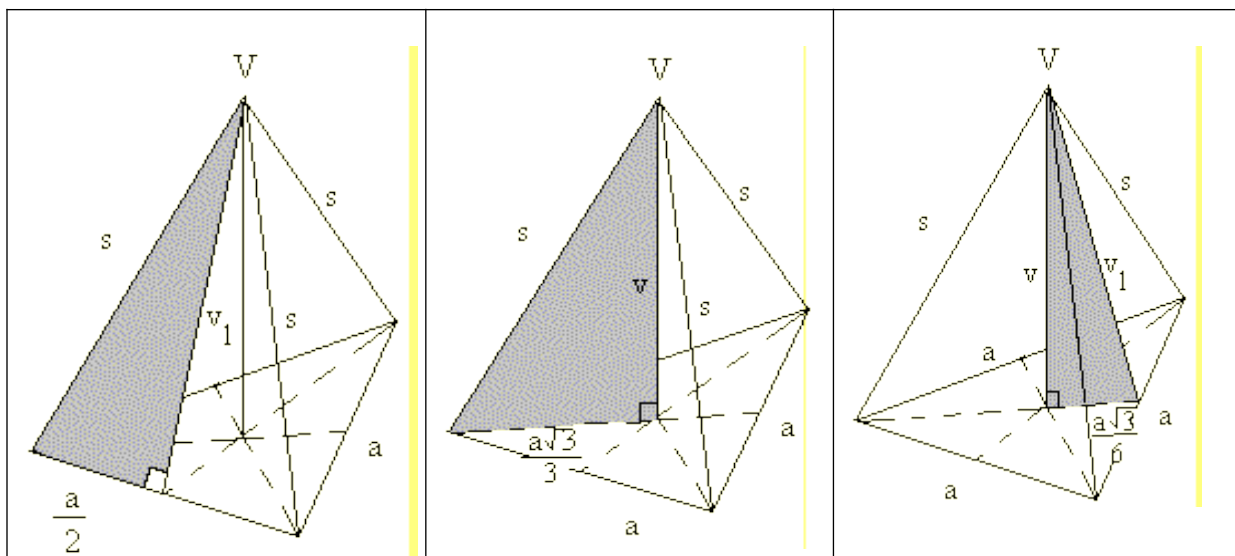
$$P = \frac{a^2 \sqrt{3}}{4} + \frac{3av_1}{2}$$

$$V = \frac{a^2 \sqrt{3} \cdot v}{4 \cdot 3} \quad \text{ali} \quad V = \frac{a^2 \sqrt{3} \cdot v}{12}$$

$$o = 3a$$

UPORABA PITAGOROVEGA IZREKA V PRAVILNI 3-STRANI PIRAMIDI

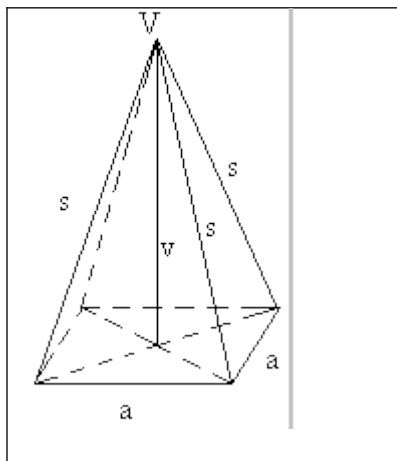
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$$s^2 = \left(\frac{a}{2}\right)^2 + v_1^2$$

$$s^2 = v^2 + \left(\frac{a\sqrt{3}}{3}\right)^2$$

$$v_1^2 = v^2 + \left(\frac{a\sqrt{3}}{6}\right)^2$$



PRAVILNA 4-STRANA PIRAMIDA

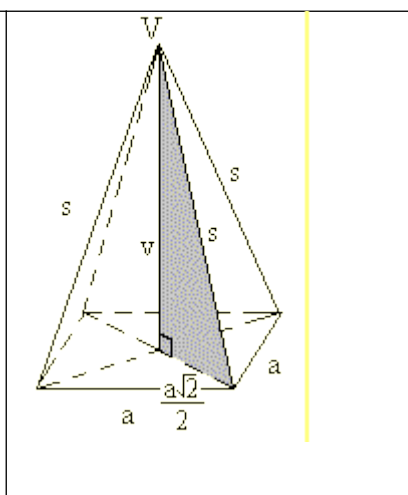
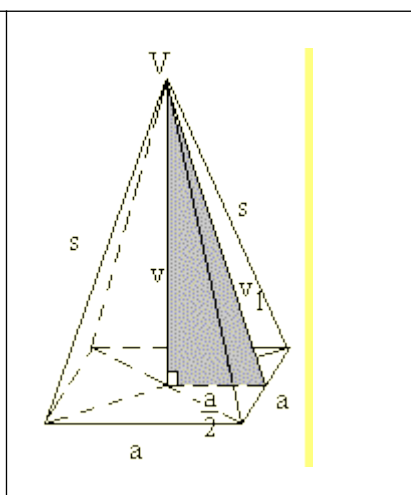
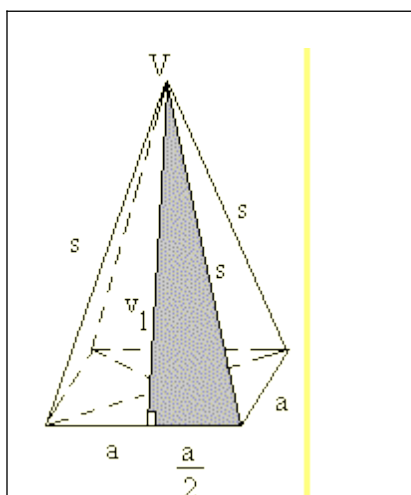
$$O = a^2$$

$$P = a^2 + 2av_1$$

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

$$o = 4 \cdot a$$

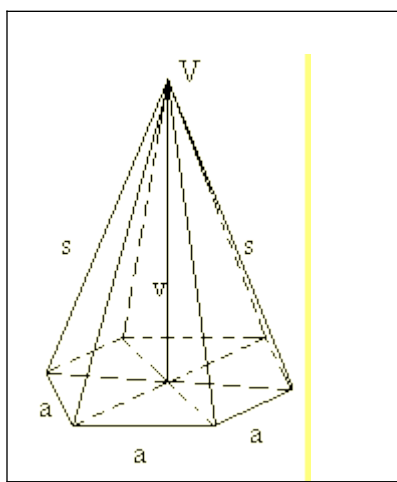
UPORABA PITAGOROVEGA IZREKA V PRAVILNI 4-STRANI PIRAMIDI



$$s^2 = v_1^2 + \left(\frac{a}{2}\right)^2$$

$$v_1^2 = v^2 + \left(\frac{a}{2}\right)^2$$

$$s^2 = v^2 + \left(\frac{a\sqrt{2}}{2}\right)^2$$



PRAVILNA 6-STRANA PIRAMIDA

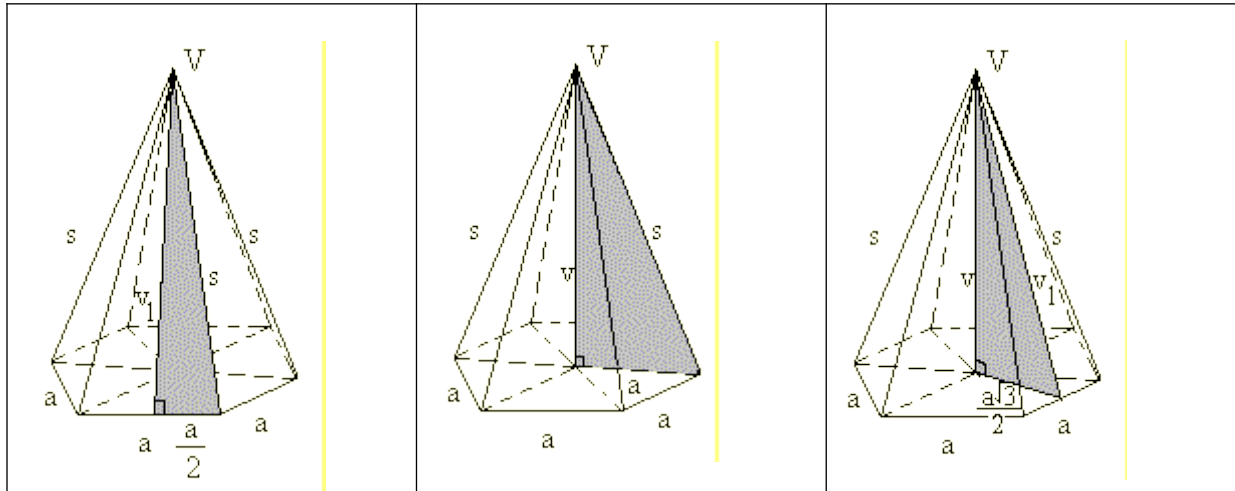
$$O = \frac{6a^2\sqrt{3}}{4}$$

$$P = \frac{6a^2\sqrt{3}}{4} + 3av_1$$

$$V = \frac{6 \cdot a^2 \sqrt{3} \cdot v}{4 \cdot 3} \quad \text{ali} \quad V = \frac{a^2 \sqrt{3} \cdot v}{2}$$

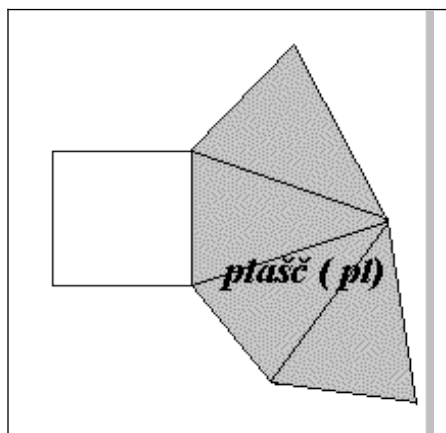
$$o = 6 \cdot a$$

UPORABA PITAGOROVEGA IZREKA V PRAVILNI 6-STRANI PIRAMIDI



$s^2 = v_1^2 + \left(\frac{a}{2}\right)^2$	$s^2 = a^2 + v^2$	$v_1^2 = v^2 + \left(\frac{a\sqrt{3}}{2}\right)^2$
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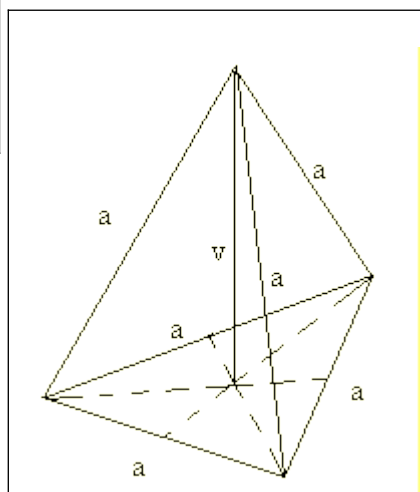
PIRAMIDE NA SPLOŠNO



$$P = O + pl$$

$$V_{\text{piramide}} = \frac{1}{3} \cdot V_{\text{prizme}} = \frac{1}{3} \cdot O \cdot v = \frac{O \cdot v}{3}$$

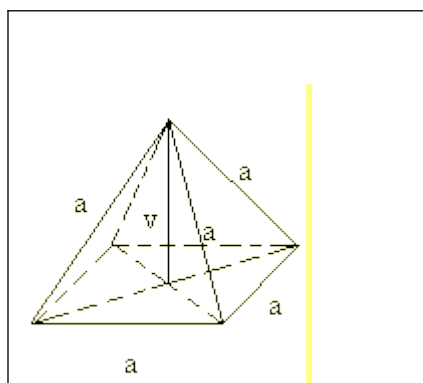
$$V = \frac{a^3 \sqrt{2}}{12}$$



ENAKOROBNA 3-STRANA PIRAMIDA

$$P = a^2 \sqrt{3}$$

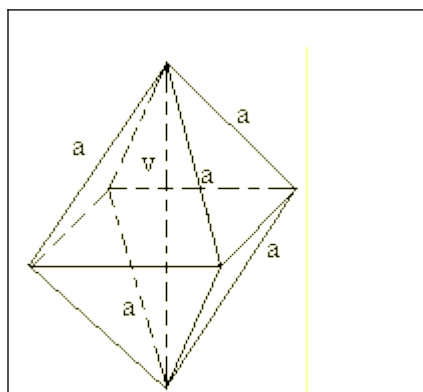
$$v = \frac{a\sqrt{6}}{3}$$



ENAKOROBA 4-STRANA PIRAMIDA

$$V = \frac{a^3 \sqrt{2}}{3} \quad P = a^2 + a^2 \sqrt{3}$$

$$v = \frac{a\sqrt{2}}{2}$$



PRAVILNI OSMEREC

$$P = 2 \cdot a^2 \sqrt{3}$$

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

