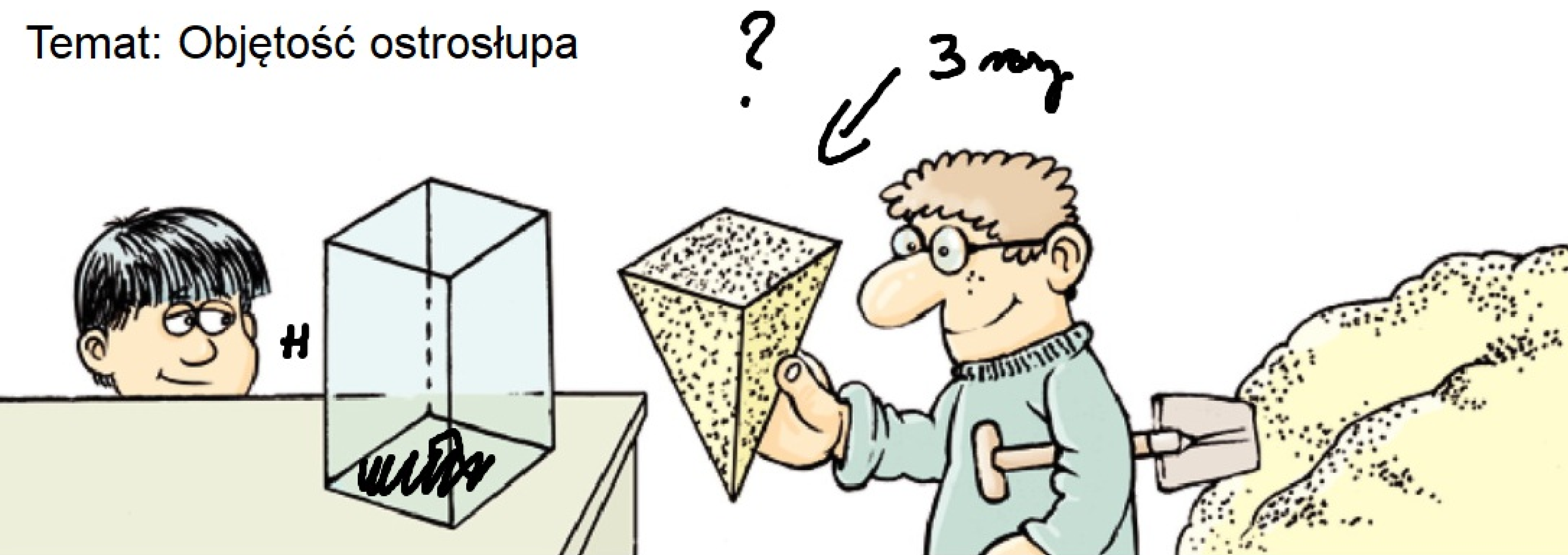
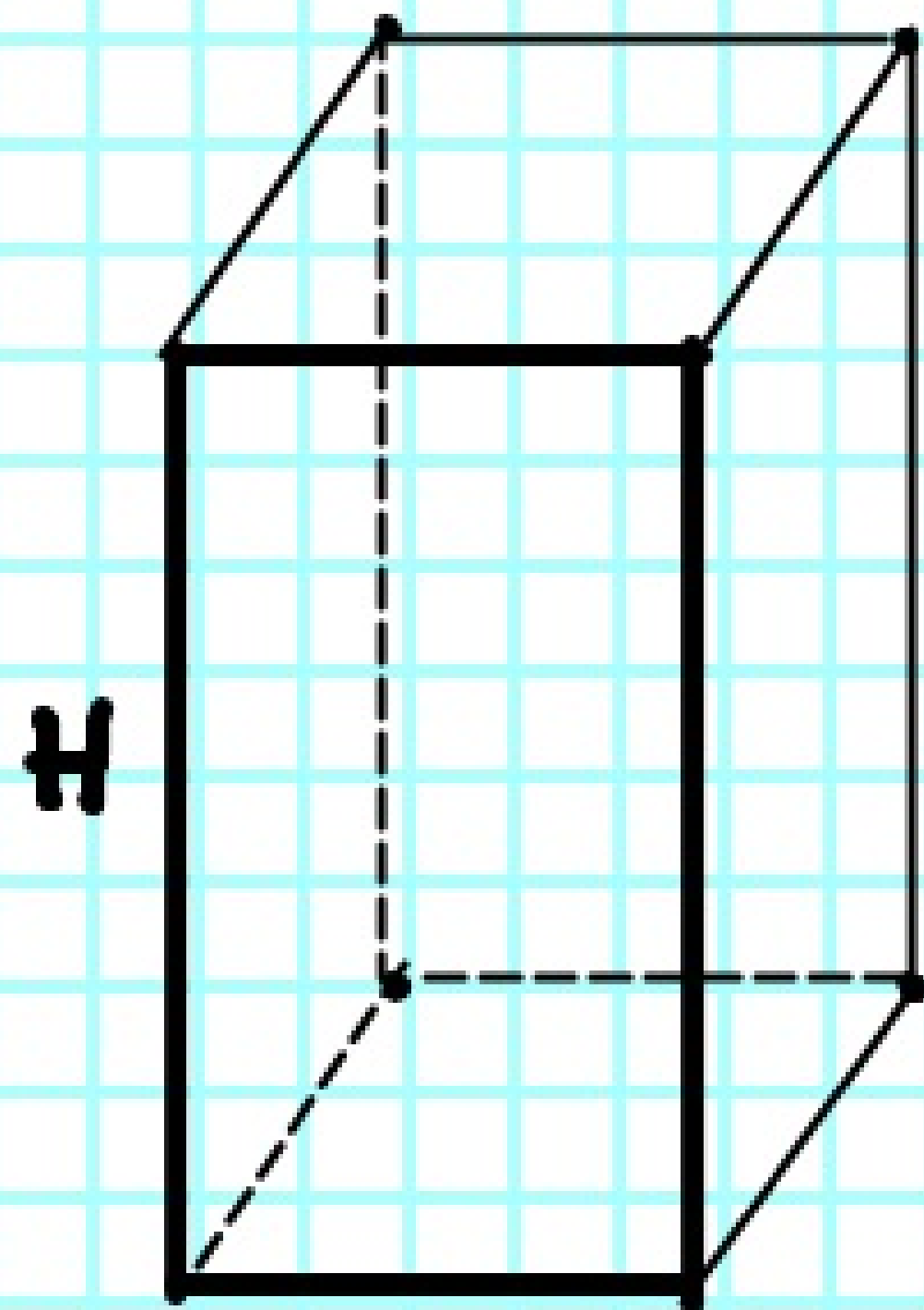


Temat: Objętość ostrosłupa

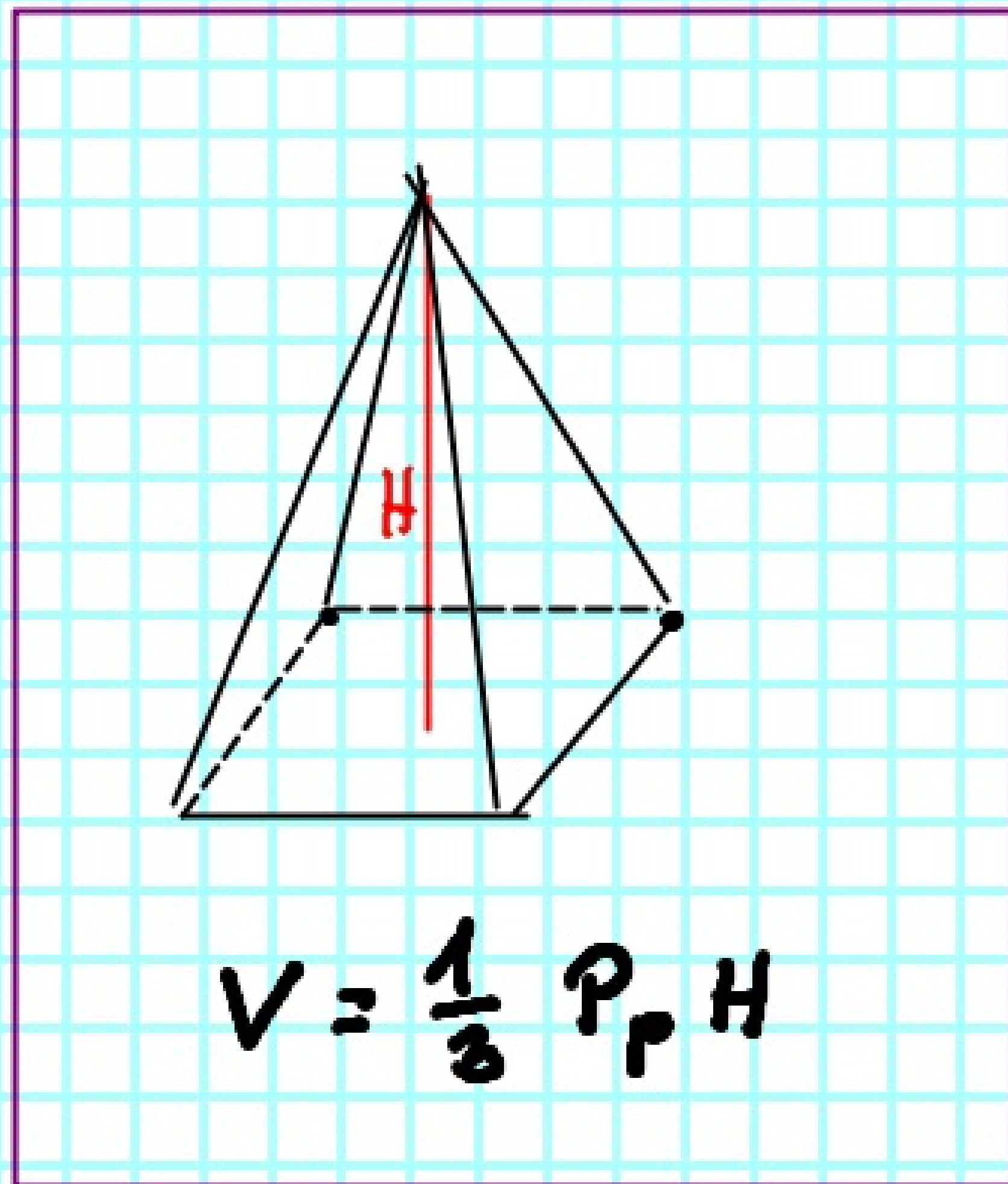


$$V = P_p H$$

$$V = \frac{1}{3} P_p H$$

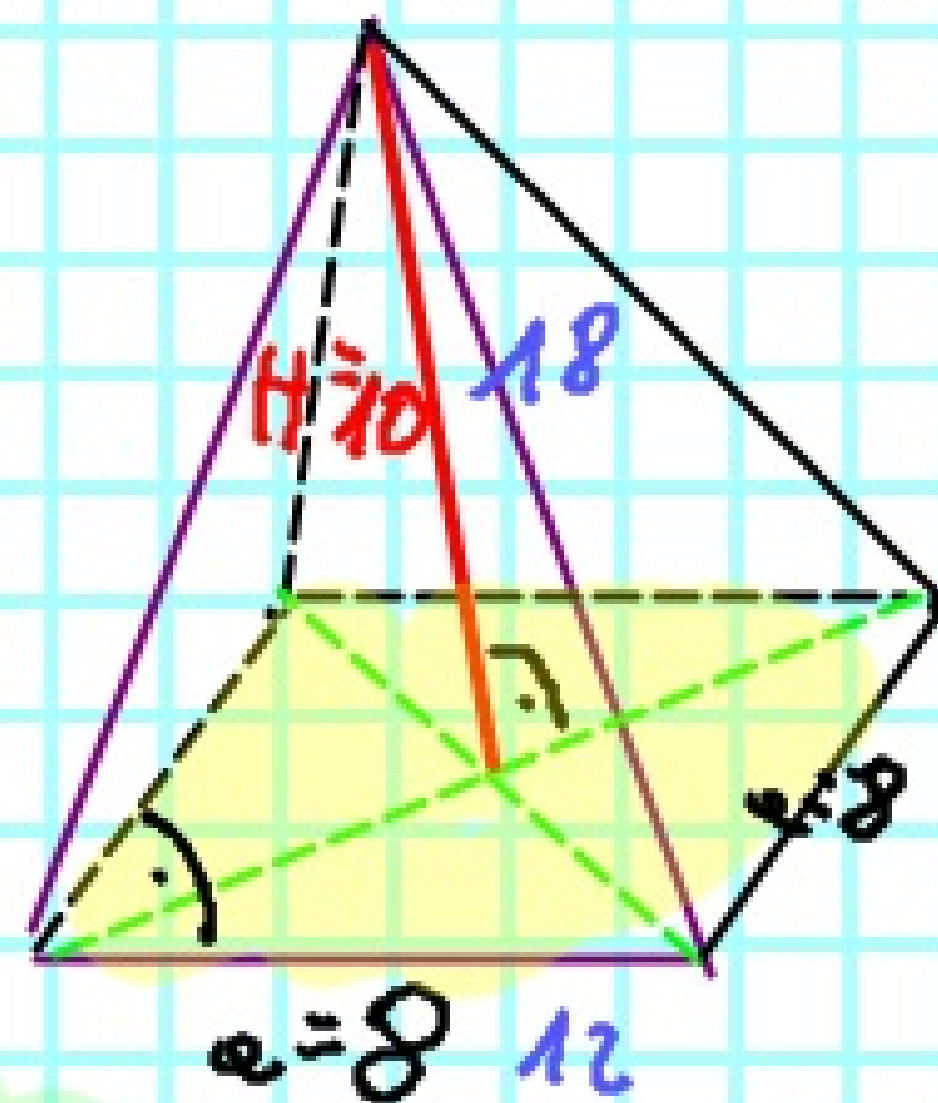


$$V = P_p H$$



$$V = \frac{1}{3} P_p H$$

Pr.
e) ostroúhly pravidelný čtyřbok



$$V = \frac{1}{3} P_p H$$

$$P_p = a^2$$

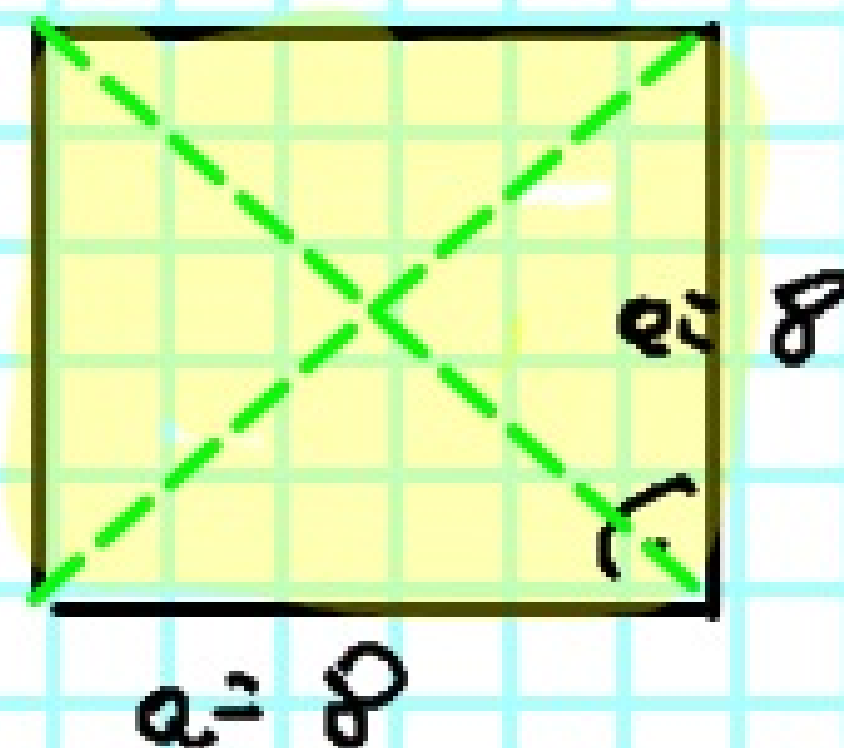
$$P_p = 8^2$$

$$P_p = 64$$

$$V = \frac{1}{3} \cdot 64 \cdot 10$$

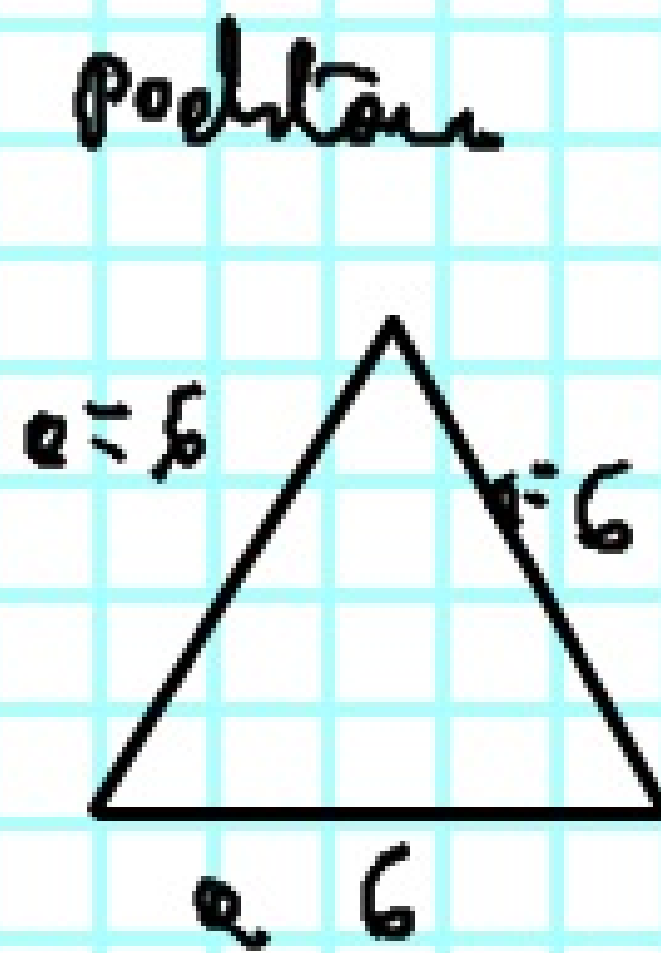
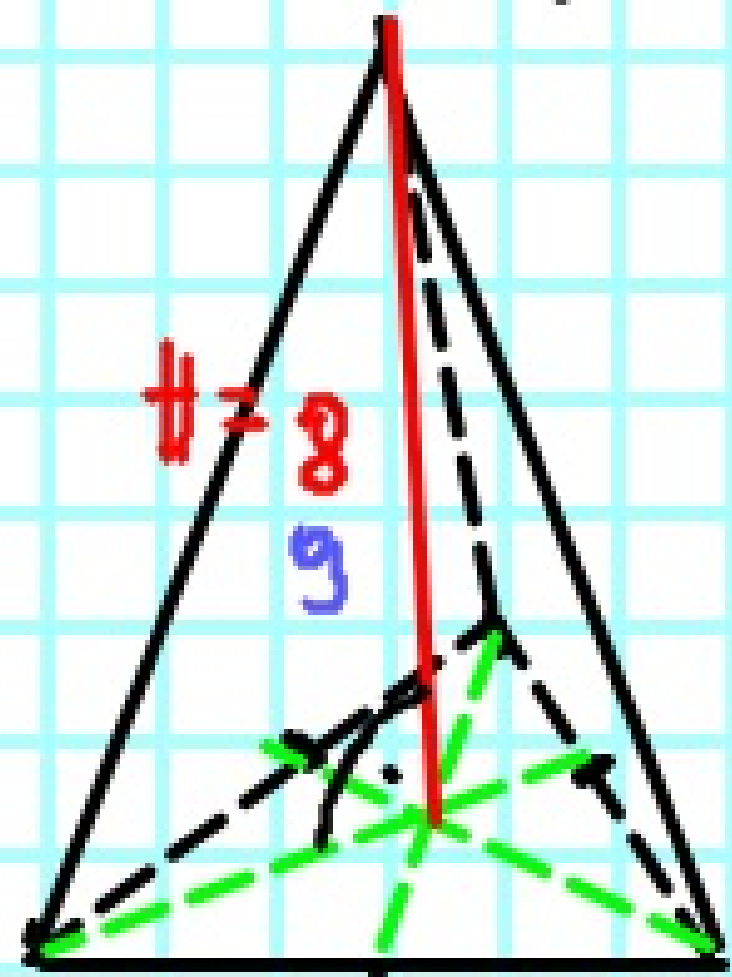
$$V = \frac{640}{3} = 213 \frac{1}{3}$$

podstava



$$\begin{array}{r} 213 \\ \hline 640 : 3 \\ \hline 6 \\ \hline 04 \\ \hline 3 \\ \hline 10 \\ \hline 1 \end{array}$$

b) ostrůpý pravidelný trojúhelník



$$V = \frac{1}{3} P_p H$$

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

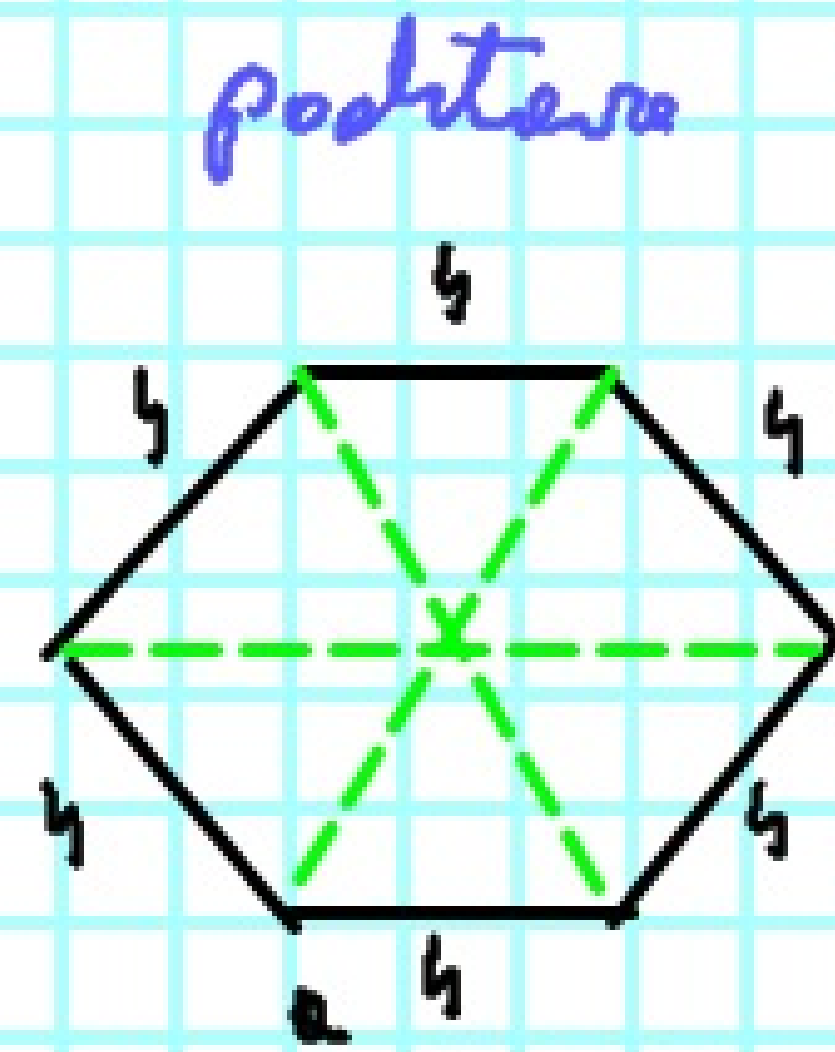
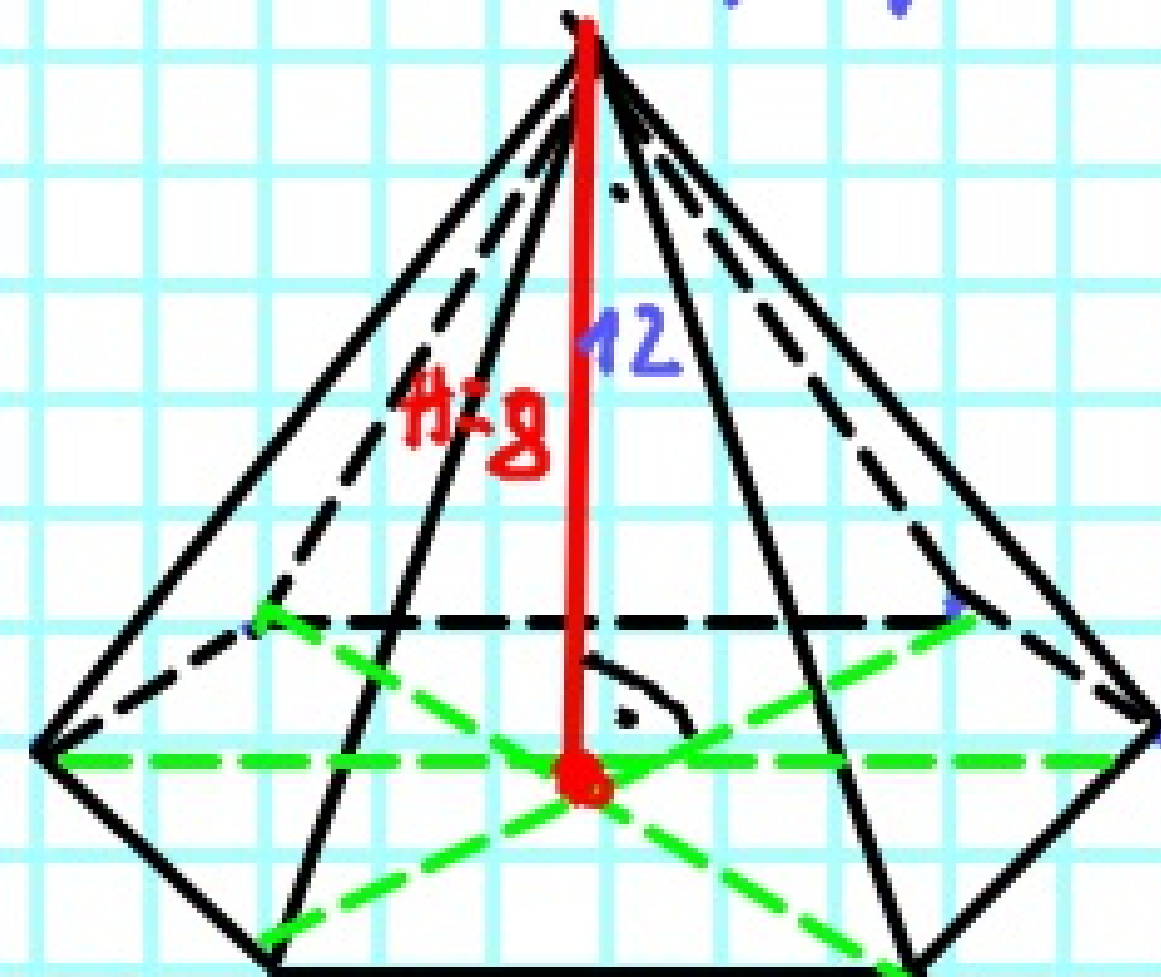
$$P_p = \frac{6^2 \sqrt{3}}{4}$$

$$P_p = 9\sqrt{3}$$

$$V = \frac{1}{3} \cdot 9\sqrt{3} \cdot 8$$

$$V = 24\sqrt{3}$$

c) ostrůpý pravidelný šestiúhelník



$$V = \frac{1}{3} P_p H$$

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

$$P_p = 6 \cdot \frac{4^2 \sqrt{3}}{4} = 6 \cdot \frac{16\sqrt{3}}{4} = 24\sqrt{3}$$

$$V = \frac{1}{3} \cdot 24\sqrt{3} \cdot 8$$

$$V = 64\sqrt{3}$$