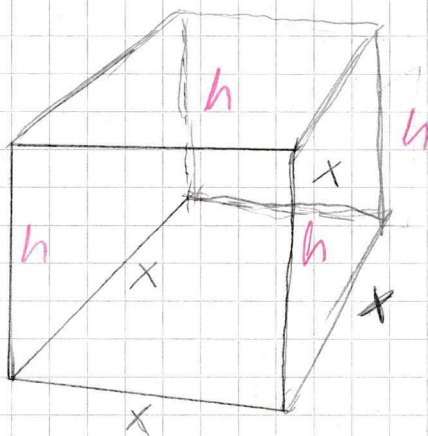


Oppg. 8)



\* Alle sidene er like lange

$$V = 4000 \text{ dm}^3 = 4000 \text{ l}$$

$$V = x \cdot x \cdot h = 4000, \text{ hvor } h = \frac{4000}{2x} = \frac{2000}{x}$$

\* Setter sammen "overflate delene", skriver dem som O.D.

$$\text{O.D} = h \cdot x + h \cdot x + h \cdot x + h \cdot x + x^2$$

$$\text{O.D} = x^2 + 4x \cdot h$$

\* Setter inn "h"

$$\text{O.D} = x^2 + 4x \cdot \frac{2000}{x}$$

$$\text{O.D} = x^2 + 8000$$

\* Deriverer

$$\text{O.D} = 2x$$

\* Setter inn = 0, og finner for x

$$2x = 0$$

$$\underline{\underline{x = 0}}$$