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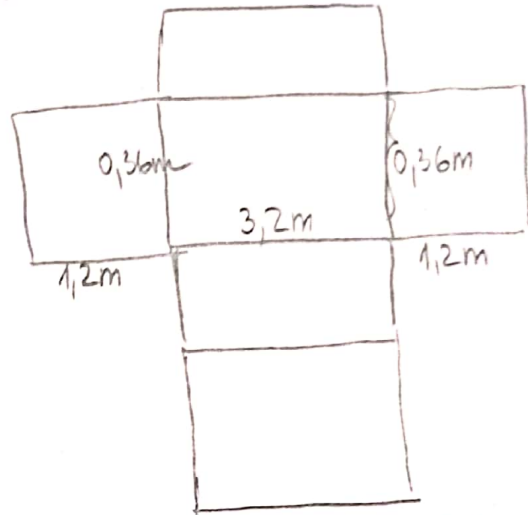
15) a) $a = 3,2\text{m}$
 $b = 36\text{cm} = 0,36\text{m}$
 $c = 12\text{dm} = 1,2\text{m}$

$V = ?$

$V = a \cdot b \cdot c$

$V = 3,2 \cdot 0,36 \cdot 1,2$

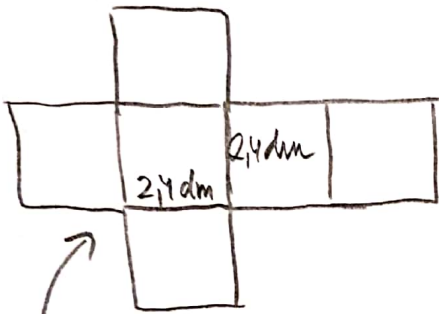
$V = 1,3824\text{m}^3 = 1382,4\text{dm}^3$



Kolikrát je V kvadra
 větší od V kostky:

$1382,4 : 13,824 = 100$

↓
 Veřejí volumen
 ima za 100krát.
 Sano vejico
 premaknemo!



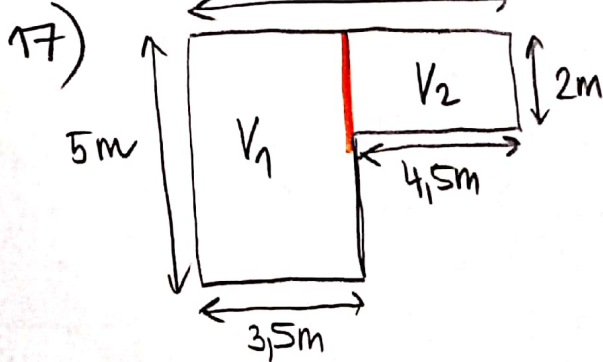
b) $a = 2,4\text{dm}$
 $V = ?$

$V = a \cdot a \cdot a$

$V = 2,4 \cdot 2,4 \cdot 2,4$

$V = 13,824\text{dm}^3$

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Višina sobe je 3,2m.

$a_1 = 5\text{m}$

$b_1 = 3,5\text{m}$

$c_1 = 3,2\text{m}$

$V_1 = ?$

$V_1 = a_1 \cdot b_1 \cdot c_1$

$V_1 = 5 \cdot 3,5 \cdot 3,2$

$V_1 = 56\text{m}^3$

$a_2 = 4,5\text{m}$

$b_2 = 2\text{m}$

$c_2 = 3,2\text{m}$

$V_2 = ?$

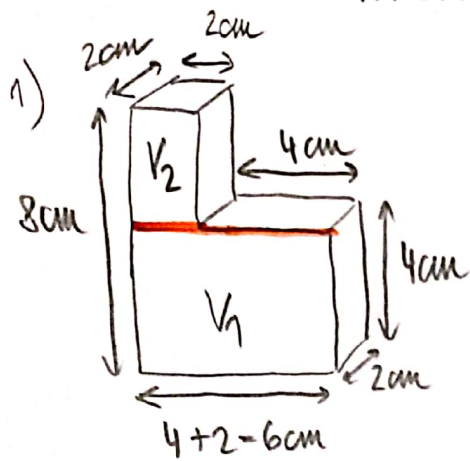
$V_2 = a_2 \cdot b_2 \cdot c_2$

$V_2 = 4,5 \cdot 2 \cdot 3,2$

$V_2 = 28,8\text{m}^3$

$V = V_1 + V_2 = 56 + 28,8 = 84,8\text{m}^3$

PROSTORNINA - PONAVALJE



$$\begin{aligned} a_1 &= 6 \text{ cm} \\ b_1 &= 2 \text{ cm} \\ c_1 &= 4 \text{ cm} \\ \hline V_1 &= ? \end{aligned}$$

$$\begin{aligned} V_1 &= a_1 \cdot b_1 \cdot c_1 \\ V_1 &= 6 \cdot 2 \cdot 4 \\ V_1 &= 48 \text{ cm}^3 \end{aligned}$$

$$\begin{aligned} a_2 &= 2 \text{ cm} \\ b_2 &= 2 \text{ cm} \\ c_2 &= 4 \text{ cm} \\ \hline V_2 &= ? \end{aligned}$$

$$\begin{aligned} V_2 &= a_2 \cdot b_2 \cdot c_2 \\ V_2 &= 2 \cdot 2 \cdot 4 \\ V_2 &= 16 \text{ cm}^3 \end{aligned}$$

$$V = V_1 + V_2 = 48 + 16 = \underline{\underline{64 \text{ cm}^3}}$$

2) KOCKA
 $d = 24 \text{ cm}$ $a = 24 : 12 \rightarrow$ kocka ima 12 robov
 $a = 2 \text{ cm}$

$$\begin{aligned} V &= a \cdot a \cdot a \\ V &= 2 \cdot 2 \cdot 2 \\ V &= \underline{\underline{8 \text{ cm}^3}} \end{aligned}$$

3) KOCKA
 $P = 6 \text{ cm}^2$
 $a = ?$
 $V = ?$

$$\begin{aligned} P &= 6 \cdot a \cdot a \\ 6 &= 6 \cdot a \cdot a \\ a \cdot a &= 6 : 6 \\ a \cdot a &= 1 \\ \underline{\underline{a}} &= \underline{\underline{1 \text{ cm}}} \quad (\text{ker } 1 \cdot 1 = 1) \end{aligned}$$

$$\begin{aligned} V &= a \cdot a \cdot a \\ V &= 1 \cdot 1 \cdot 1 \\ V &= \underline{\underline{1 \text{ cm}^3}} \end{aligned}$$

4) $b = 7,5 \text{ m}$
 $c = 20 \text{ cm} = 0,2 \text{ m}$
 $a = 1 \text{ km} = 1000 \text{ m}$
 $V = ?$
 cena = ?

$$\begin{aligned} V &= a \cdot b \cdot c \\ V &= 1000 \cdot 0,2 \cdot 7,5 \\ V &= 1500 \text{ m}^3 \end{aligned}$$

$1500 \cdot 30 = 45.000$
 Odg.: Betoniranje bo stalo 45.000€.

5) $V_1 = 250 \text{ ml}$
 $V_2 = 550 \text{ ml}$
 $V_{\text{kroglice}} = ?$

$$\begin{aligned} V &= V_2 - V_1 \\ V &= 550 - 250 \\ V &= 300 \text{ ml} \end{aligned}$$

\swarrow Imamo 6 kroglic
 $300 \text{ ml} : 6 = 50 \text{ ml}$
 $= 50 \text{ cm}^3$
 Odg.: Prostornina kroglice je 50 cm^3 .