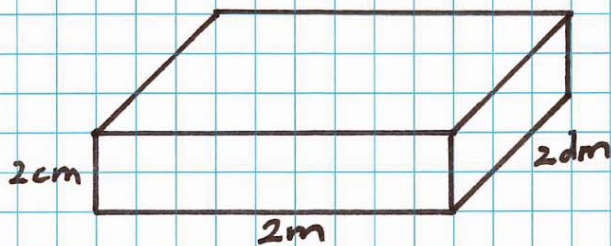
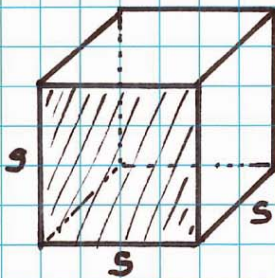


1.



$$\begin{aligned} V &= 2m \cdot 2dm \cdot 2cm \\ &= 20dm \cdot 2dm \cdot 0,2dm = \underline{\underline{8dm^3}} \end{aligned}$$

2.



$$O = 6 \cdot s^2 = 216cm^2$$

$$\Rightarrow s^2 = 216cm^2 : 6 = \underline{\underline{36cm^2}}$$

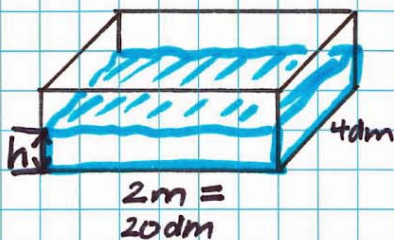
$$\Rightarrow s = \underline{\underline{6cm}}$$

$$\Rightarrow k = 12 \cdot 6cm = \underline{\underline{72cm}}$$

3.  $\frac{3}{5} l = 0,6 l = 0,6 dm^3 = \underline{\underline{600cm^3}}$

$$600cm^3 : 4 = \underline{\underline{150cm^3}}$$

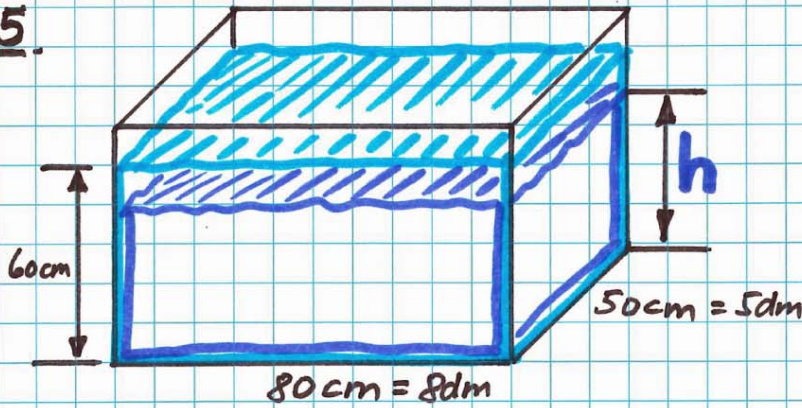
4.  $2,4 hl = 240 L = \underline{\underline{240dm^3}}$



$$V = 20dm \cdot 4dm \cdot h = 240dm^3$$

$$\begin{aligned} \Rightarrow h &= 240dm^3 : (20dm \cdot 4dm) \\ &= 240dm^3 : 80dm^2 \\ &= 3dm = \underline{\underline{30cm}} \end{aligned}$$

5.



$$V_1 = 80 \text{ cm} \cdot 50 \text{ cm} \cdot 60 \text{ cm} = 240'000 \text{ cm}^3$$

$$= 240 \text{ dm}^3 = \underline{240 \text{ l}}$$

$$240 \text{ l} - 20 \text{ l} = \underline{220 \text{ l}} = \underline{220 \text{ dm}^3}$$

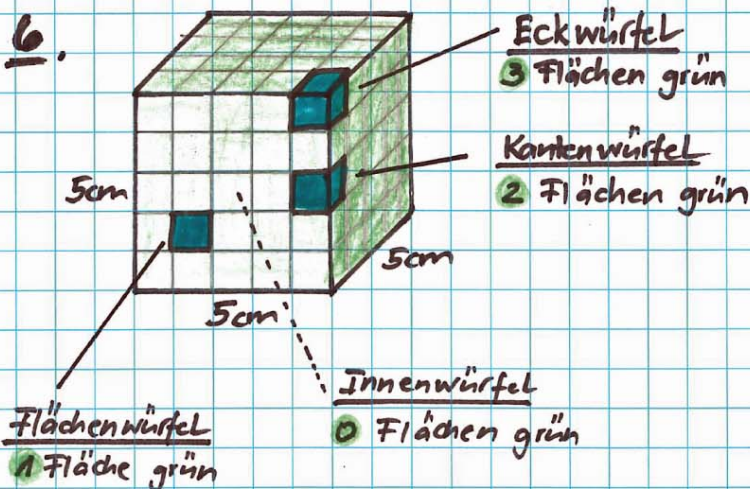
$$V_2 = 8 \text{ dm} \cdot 5 \text{ dm} \cdot h = 220 \text{ dm}^3$$

$$\Rightarrow h = 220 \text{ dm}^3 : (8 \text{ dm} \cdot 5 \text{ dm})$$

$$= 220 \text{ dm}^3 : 40 \text{ dm}^2 = 5,5 \text{ dm} = \underline{55 \text{ cm}}$$

$$\Rightarrow 60 \text{ cm} - 55 \text{ cm} = \underline{\underline{5 \text{ cm}}}$$

6.



Anzahl Eckwürfel:

8

Anzahl Kantenwürfel:

$$12 \cdot 3 = \underline{36}$$

Anzahl Flächenwürfel:

$$6 \cdot 9 = \underline{54}$$

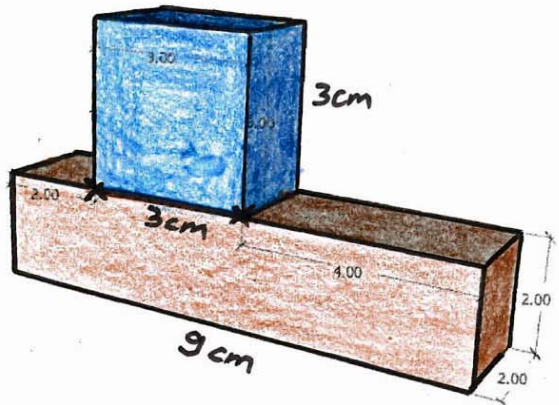
Anzahl Innenwürfel:

$$3 \cdot 3 \cdot 3 = \underline{27}$$

$\Rightarrow$  Quadratflächen zum Nachstreichen:

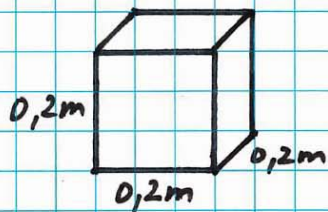
$$8 \cdot 3 + 36 \cdot 4 + 54 \cdot 5 + 27 \cdot 6 = \underline{\underline{600}}$$

$$\begin{aligned}
 7. \quad V &= V_{\text{Braun}} + V_{\text{Blau}} \\
 &= 9\text{cm} \cdot 2\text{cm} \cdot 2\text{cm} \\
 &\quad + \\
 &\quad 3\text{cm} \cdot 2\text{cm} \cdot 3\text{cm} \\
 &= 36\text{cm}^3 + 18\text{cm}^3 \\
 &= \underline{54\text{cm}^3}
 \end{aligned}$$



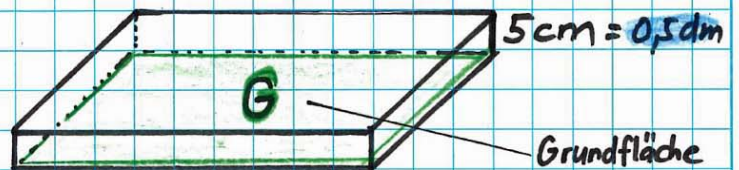
$$\Rightarrow \text{Masse} = 54 \cdot 2,5 \text{ g} = \underline{\underline{135 \text{ g}}}$$

8. Würfel



$$\begin{aligned}
 V_1 &= (0,2\text{m})^3 \\
 &= (2\text{dm})^3 \\
 &= \underline{8\text{dm}^3}
 \end{aligned}$$

Quaderförmige Platte



$$V_2 = \underline{8\text{dm}^3} = G \cdot 0,5\text{dm}$$

$$\begin{aligned}
 \Rightarrow G &= 8\text{dm}^3 : 0,5\text{dm} \\
 &= \underline{\underline{16\text{dm}^2}}
 \end{aligned}$$