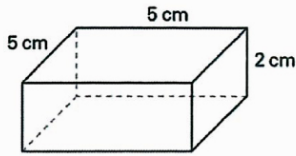


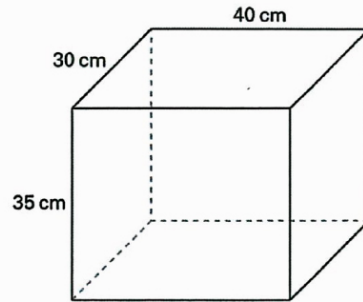
3 Bestimme das Volumen V dieser rechtwinkligen Körper.

Körper 1



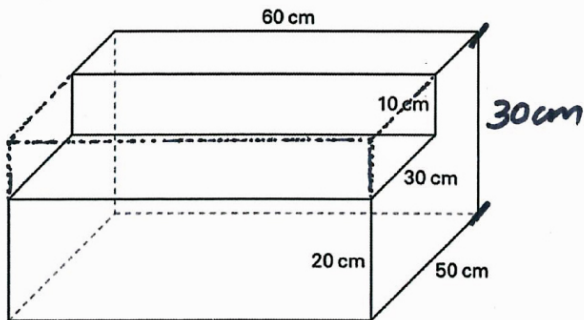
$$\begin{aligned} V &= 5 \text{ cm} \cdot 5 \text{ cm} \cdot 2 \text{ cm} \\ &= \underline{\underline{50 \text{ cm}^3}} \end{aligned}$$

Körper 2



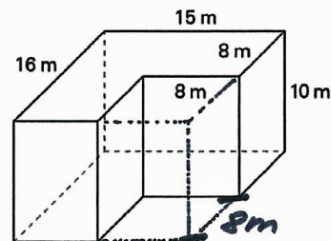
$$\begin{aligned} V &= 40 \text{ cm} \cdot 30 \text{ cm} \cdot 35 \text{ cm} \\ &= 42'000 \text{ cm}^3 \\ &= \underline{\underline{42 \text{ dm}^3}} \end{aligned}$$

Körper 3



$$\begin{aligned} V &= 60 \text{ cm} \cdot 50 \text{ cm} \cdot 30 \text{ cm} \\ &\quad - 60 \text{ cm} \cdot 30 \text{ cm} \cdot 10 \text{ cm} \\ &= 90'000 \text{ cm}^3 - 18'000 \text{ cm}^3 \\ &= 72'000 \text{ cm}^3 \\ &= \underline{\underline{72 \text{ dm}^3}} \end{aligned}$$

Körper 4



$$\begin{aligned} V &= 15 \text{ m} \cdot 16 \text{ m} \cdot 10 \text{ m} \\ &\quad - 8 \text{ m} \cdot 8 \text{ m} \cdot 10 \text{ m} \\ &= 2'400 \text{ m}^3 - 640 \text{ m}^3 \\ &= \underline{\underline{1'760 \text{ m}^3}} \end{aligned}$$