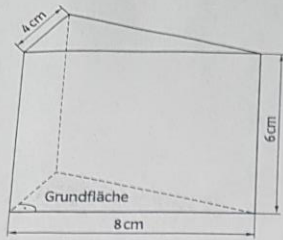


Volumen



1. Flächeninhalt G der Grundfläche:

$$G = \frac{g \cdot h}{2}$$

$$G = \frac{8 \text{ cm} \cdot 4 \text{ cm}}{2}$$

$$G = 16 \text{ cm}^2$$

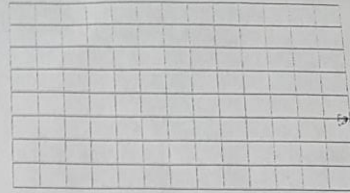
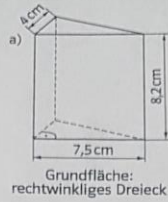
2. Volumen V des Prismas:

$$V = G \cdot h_k$$

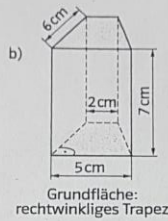
$$V = 16 \text{ cm}^2 \cdot 6 \text{ cm}$$

$$V = 96 \text{ cm}^3$$

1 Berechne jeweils das Volumen des Prismas.

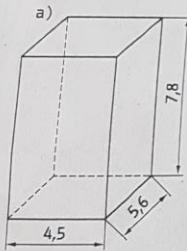


G = _____ V = _____

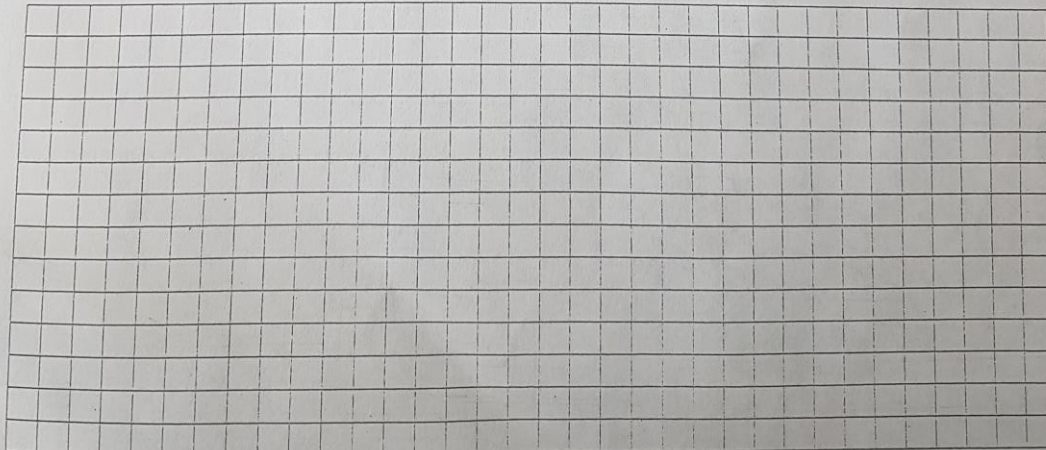
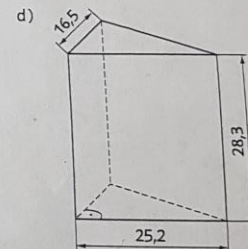
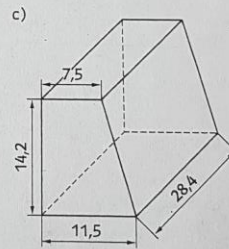
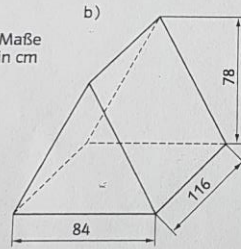


G = _____ V = _____

2 Berechne das Volumen des Prismas.



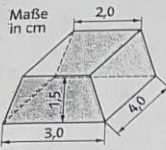
Maße
in cm



V = _____ V = _____ V = _____ V = _____

4

1 Zeichne zunächst ein Netz des abgebildeten Prismas. Berechne anschließend Oberflächeninhalt und Volumen. Fehlende Maße entnimm deiner Zeichnung.



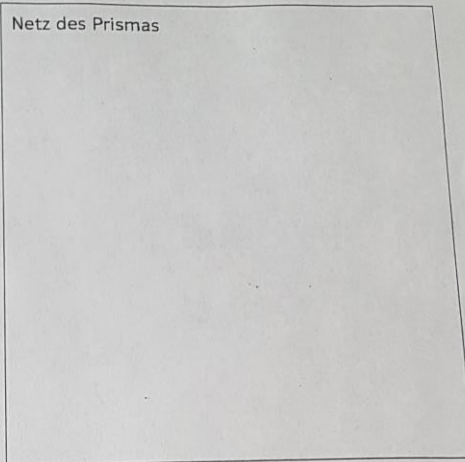
O = _____

V = _____

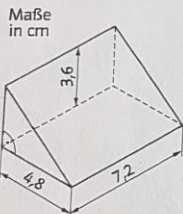
Grundfläche:
gleichschenkeliges Trapez



Netz des Prismas



2 Zeichne zunächst das Schrägbild des abgebildeten Prismas. Berechne anschließend Oberflächeninhalt und Volumen. Fehlende Maße entnimm deiner Zeichnung.

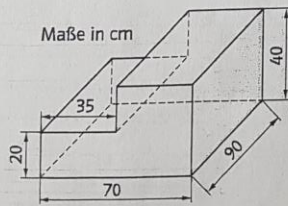
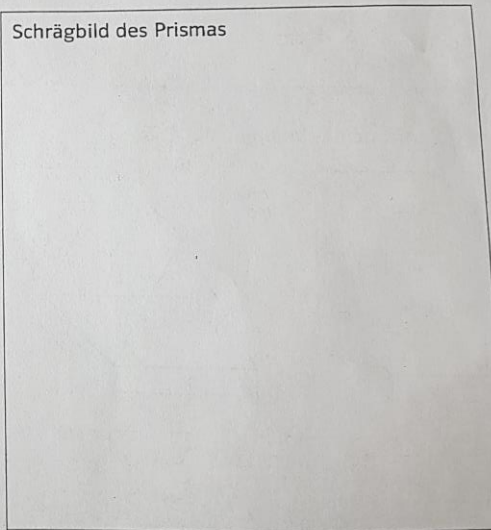


O = _____

V = _____



Schrägbild des Prismas

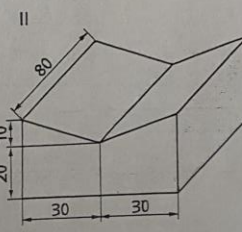
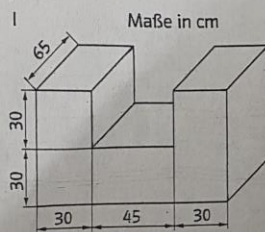


$$V = G \cdot h_k$$

$$V = (70 \text{ cm} \cdot 20 \text{ cm} + 35 \text{ cm} \cdot 20 \text{ cm}) \cdot 90 \text{ cm}$$

$$V = 189\,000 \text{ cm}^3$$

3 Berechne das Volumen des abgebildeten Körpers.



V = _____

V = _____