

Mathematik 8 Abels





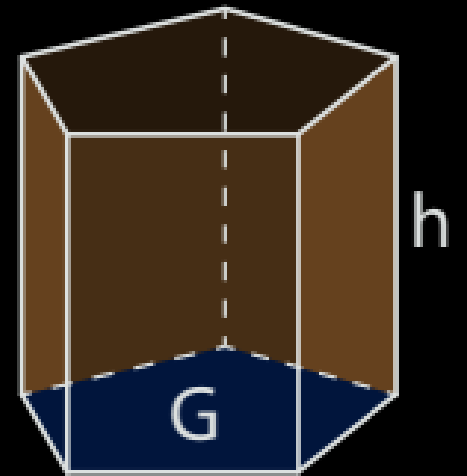
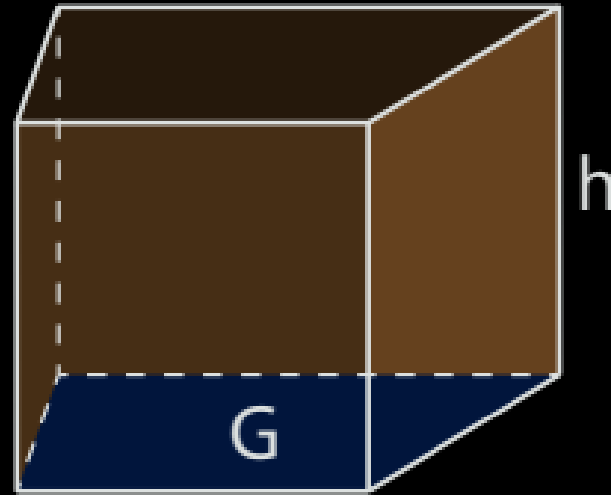
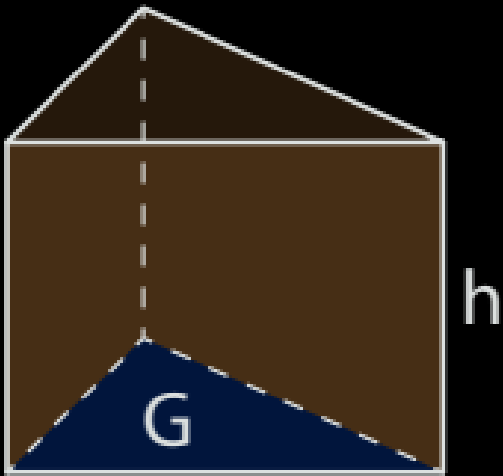
Kopfübung

- Definition Prisma:
- Oberflächeninhalt Prisma:
- Volumen Quader:



Volumen eines Prismas

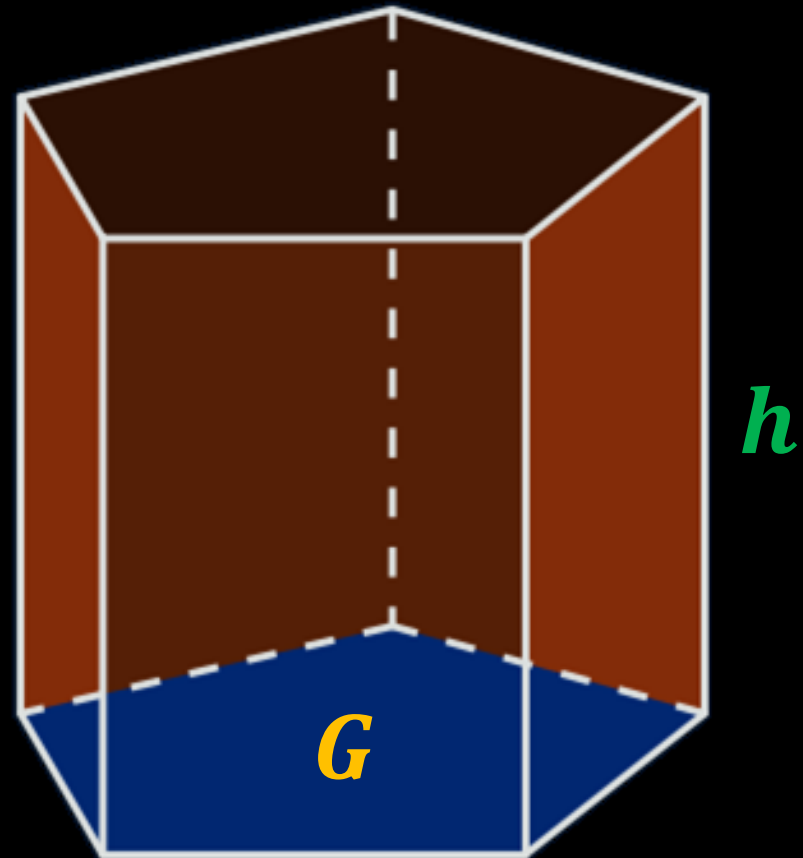
Wie oft passt die Grundseite in das Prisma rein?



Was sagt dir das über das Volumen eines Prismas?

Volumen eines Prismas

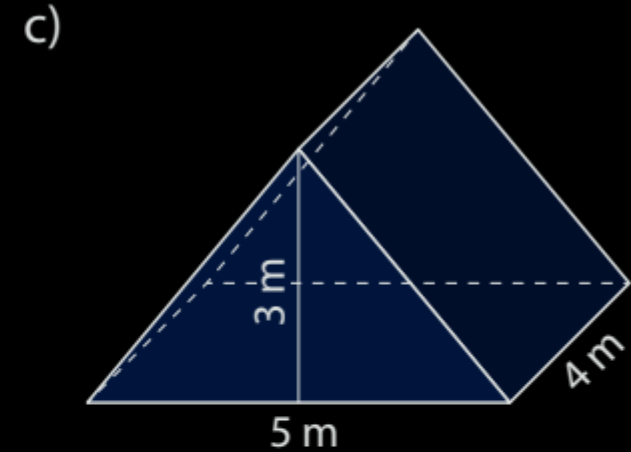
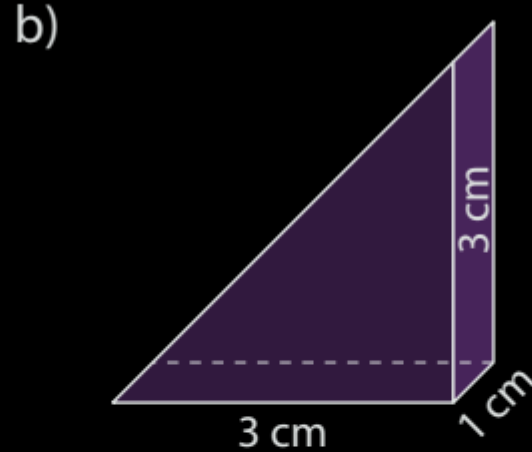
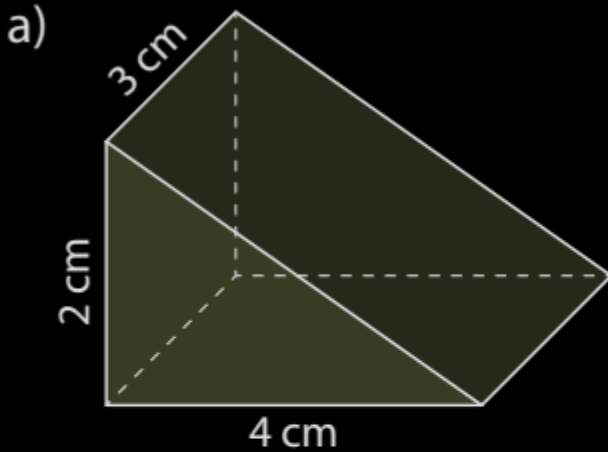
$$V = G \cdot h$$





Fun137

1. Berechne das Volumen des Prismas.



2. Berechne das Volumen des Dreiecksprismas.

	a)	b)	c)	d)	e)
Grundseite Dreieck	6 cm	7,5 m	1,6 dm	0,23 m	0,4 km
Höhe Dreieck	3 cm	4 m	4,8 dm	5 dm	125 m
Höhe Prisma	4 cm	9,4 m	5,3 dm	1,5 dm	1,75 m





Fun137



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a) $V = 12 \text{ cm}^3$

b) $V = 4,5 \text{ cm}^3$

c) $V = 30 \text{ m}^3$

Seite 137 | Aufgabe 2

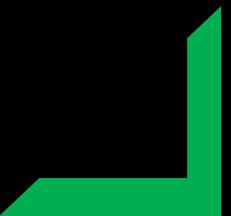
a) $V = 36 \text{ cm}^3$

b) $V = 141 \text{ m}^3$

c) $V = 20,352 \text{ dm}^3$

d) $V = 8,625 \text{ dm}^3$

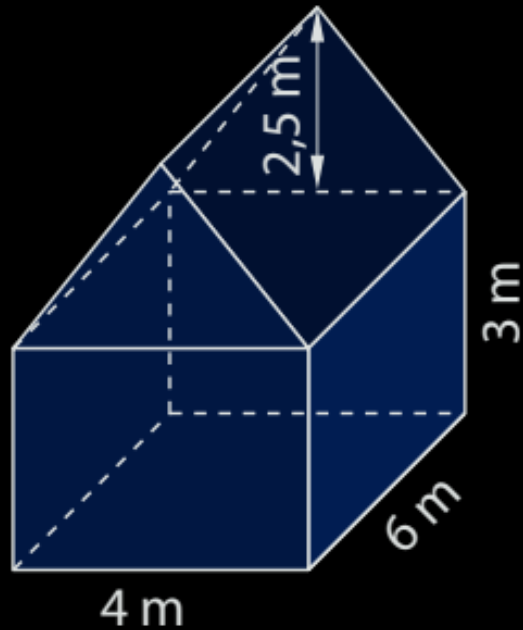
e) $V = 43\,750 \text{ m}^3$



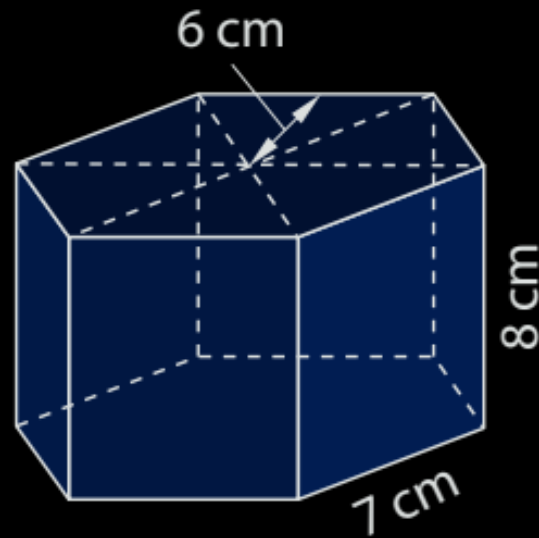


5. Berechne das Volumen des Prismas.

a)



b)



c)

