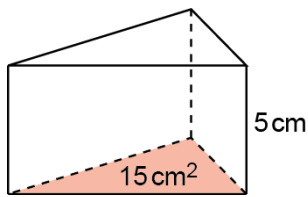


Volumen

1 Berechne das Volumen des Prismas wie im Beispiel a).

a)

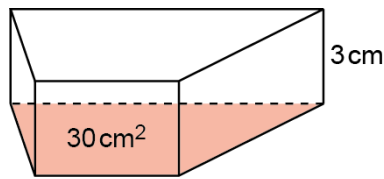


$V = G \cdot h$

$V = 15 \cdot 5$

$V = 75 \text{ cm}^3$

b)

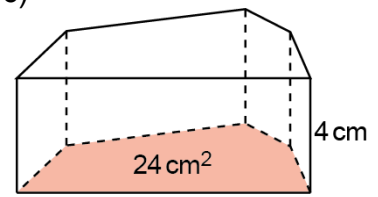


$V =$  \_\_\_\_\_

$V =$  \_\_\_\_\_

$V =$  \_\_\_\_\_

c)

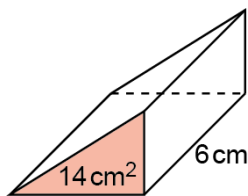


$V =$  \_\_\_\_\_

$V =$  \_\_\_\_\_

$V =$  \_\_\_\_\_

d)

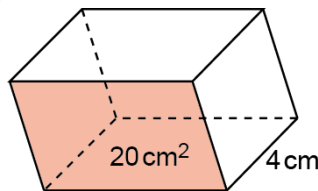


$V =$  \_\_\_\_\_

$V =$  \_\_\_\_\_

$V =$  \_\_\_\_\_

e)

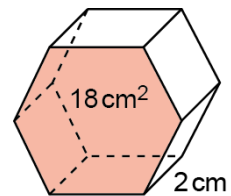


$V =$  \_\_\_\_\_

$V =$  \_\_\_\_\_

$V =$  \_\_\_\_\_

f)



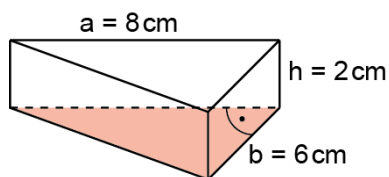
$V =$  \_\_\_\_\_

$V =$  \_\_\_\_\_

$V =$  \_\_\_\_\_

2 Berechne zuerst den Grundflächeninhalt und dann das Volumen des Prismas.

a)



$G = \frac{1}{2} \cdot a \cdot b$

$G = \frac{1}{2} \cdot 8 \cdot 6$

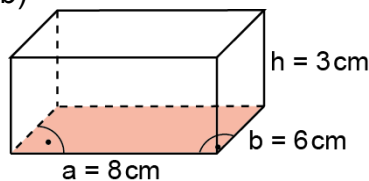
$G = 24 \text{ cm}^2$

$V =$  \_\_\_\_\_

$V =$  \_\_\_\_\_

$V =$  \_\_\_\_\_

b)



$G =$  \_\_\_\_\_

$G =$  \_\_\_\_\_

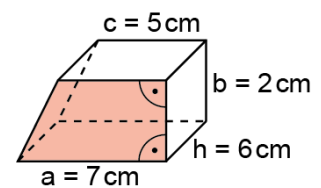
$G =$  \_\_\_\_\_

$V =$  \_\_\_\_\_

$V =$  \_\_\_\_\_

$V =$  \_\_\_\_\_

c)



$G =$  \_\_\_\_\_

$G =$  \_\_\_\_\_

$G =$  \_\_\_\_\_

$V =$  \_\_\_\_\_

$V =$  \_\_\_\_\_

$V =$  \_\_\_\_\_

## Prismen | Fördern

### Volumen – Lösung

**1**

a)  $V = G \cdot h$   
 $V = 15 \cdot 5$   
 $V = 75 \text{ cm}^2$

b)  $V = G \cdot h$   
 $V = 30 \cdot 3$   
 $V = 90 \text{ cm}^2$

c)  $V = G \cdot h$   
 $V = 24 \cdot 4$   
 $V = 96 \text{ cm}^2$

d)  $V = G \cdot h$   
 $V = 14 \cdot 6$   
 $V = 84 \text{ cm}^2$

e)  $V = G \cdot h$   
 $V = 20 \cdot 4$   
 $V = 80 \text{ cm}^2$

f)  $V = G \cdot h$   
 $V = 18 \cdot 2$   
 $V = 36 \text{ cm}^2$

**2**

a)  $G = \frac{1}{2} \cdot a \cdot b$   
 $G = \frac{1}{2} \cdot 8 \cdot 6$   
 $G = 24 \text{ cm}^2$

b)  $G = a \cdot b$   
 $G = 8 \cdot 6$   
 $G = 48 \text{ cm}^2$

c)  $G = \frac{1}{2} \cdot (a + c) \cdot b$   
 $G = \frac{1}{2} \cdot (7 + 5) \cdot 2$   
 $G = 12 \text{ cm}^2$

$V = G \cdot h$   
 $V = 24 \cdot 2$   
 $V = 48 \text{ cm}^3$

$V = G \cdot h$   
 $V = 48 \cdot 3$   
 $V = 144 \text{ cm}^3$

$V = G \cdot h$   
 $V = 12 \cdot 6$   
 $V = 72 \text{ cm}^3$