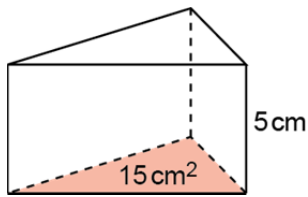


Volumen

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

a)

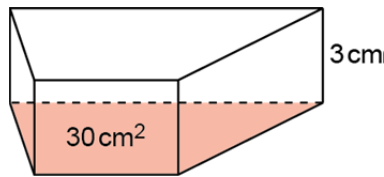


$V = G \cdot h$

$V = 15 \cdot 5$

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

b)

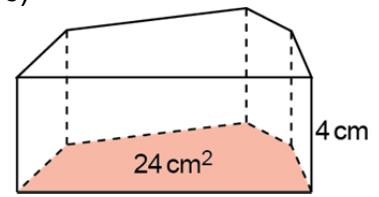


$V =$ _____

$V =$ _____

$V =$ _____

c)

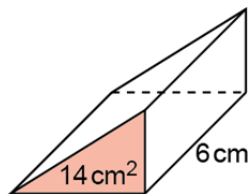


$V =$ _____

$V =$ _____

$V =$ _____

d)

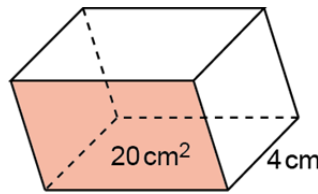


$V =$ _____

$V =$ _____

$V =$ _____

e)

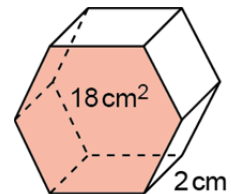


$V =$ _____

$V =$ _____

$V =$ _____

f)



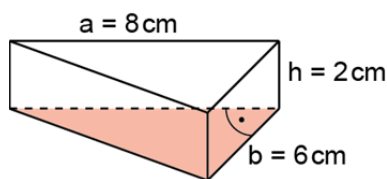
$V =$ _____

$V =$ _____

$V =$ _____

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

a)



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

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

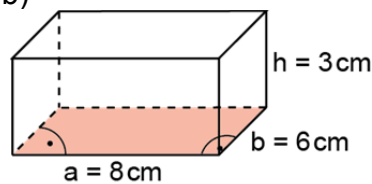
$G = 24 \text{ cm}^2$

$V =$ _____

$V =$ _____

$V =$ _____

b)



$G =$ _____

$G =$ _____

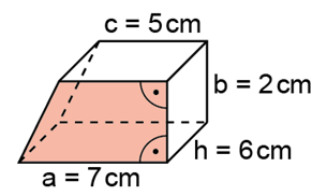
$G =$ _____

$V =$ _____

$V =$ _____

$V =$ _____

c)



$G =$ _____

$G =$ _____

$G =$ _____

$V =$ _____

$V =$ _____

$V =$ _____

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) $G = \frac{1}{2} \cdot (a + c) \cdot b$

 $G = \frac{1}{2} \cdot (7 + 5) \cdot 2$

 $G = 12 \text{ cm}^2$

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

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

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