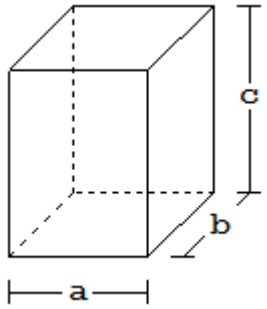
Klapptest – Quader-Volumen 4

Falte das Blatt entlang der Linie und berechne die fehlenden Größen.

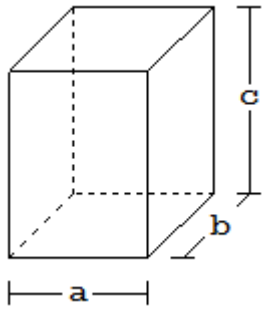
1. Aufgabe: Berechne.



a = 5,5 cm
b = 6,5 cm
c = 8 cm
V = _____ O = _____

V = a·b·c
V = 286 cm³
O = 2ab+2bc+2ac
O = 263,5 cm²

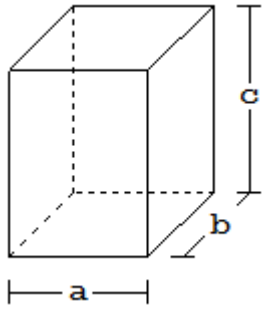
2. Aufgabe: Berechne.



a = 5,4 m
b = 4,5 m
c = _____
V = 279,45 m³ O = _____

c = 279,45:5,4:4,5
c = 11,5 m
O = 2ab+2bc+2ac
O = 276,3 m²

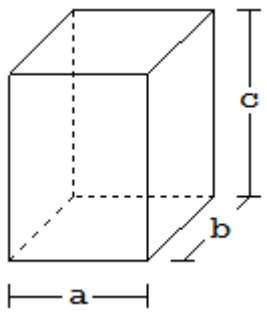
3. Aufgabe: Berechne.



a = _____
b = 9,5 m
c = 6,8 m
V = _____ O = 390 m²

a = (O-2bc):(2b+2c)
a = 8 m
V = a·b·c
V = 516,8 m³

4. Aufgabe: Berechne.



a = 8,4 dm
b = _____
c = 8,9 dm
V = _____ O = 322,52 dm²

b = (O-2ac):(2a+2c)
b = 5 dm
V = a·b·c
V = 373,8 dm³

Ergebnis:

___/12 P.