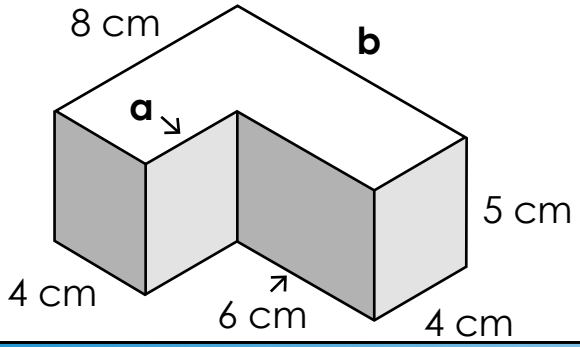
Name: _____

Volume of Composite Figures

Find the missing lengths and the volume of each solid figure.

a.



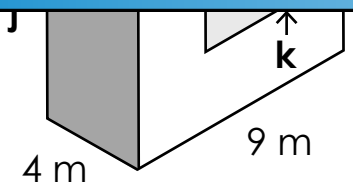
a = ____ cm **b = ____ cm**

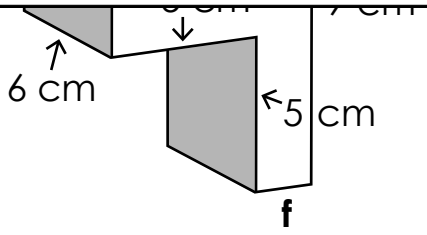
Volume of part 1:

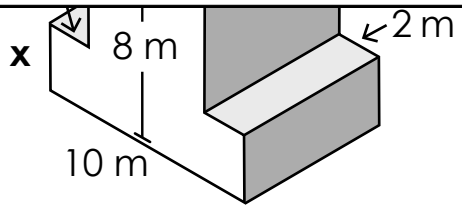
_____ x _____ x _____ = _____ cm³

Volume of part 2:

_____ x _____ x _____ = _____ cm³







j = _____ k = _____ **e = _____ f = _____** **x = _____ y = _____**

_____ _____ _____

_____ _____ _____

_____ _____ _____

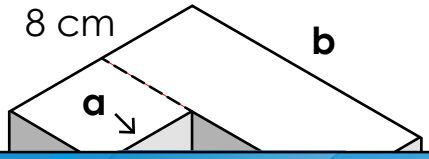
ANSWER KEY

Volume of Composite Figures

Find the missing lengths and the volume of each solid figure.

a.

a = 4 cm b = 10 cm



Volume of part 1:

4 x 4 x 5 = 80 cm³

b.

j =

or

3 x 4 x 5 = 60 m³

3 x 4 x 9 = 108 m³

60 + 108 = 168 m³

or

4 x 5 x 6 = 120 cm³

2 x 6 x 9 = 108 cm³

120 + 108 = 228 cm³

or

6 x 7 x 8 = 336 m³

2 x 3 x 7 = 42 m³

2 x 3 x 7 = 42 m³

336 + 42 + 42 = 420 m³