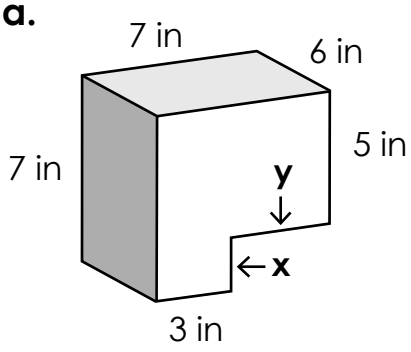
Name: _____

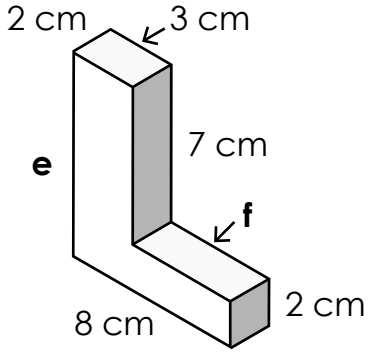
Volume of Composite Figures

Find the missing lengths and volume of each solid figure.

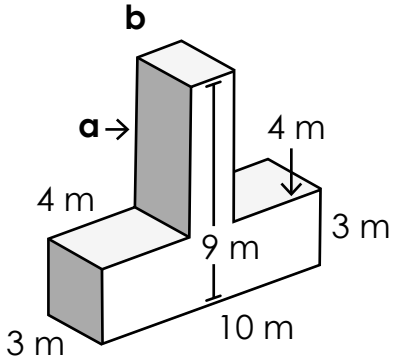
a.



b.



c.



x = _____ y = _____ e = _____ f = _____ a = _____ b = _____

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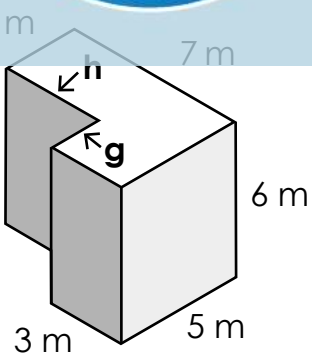
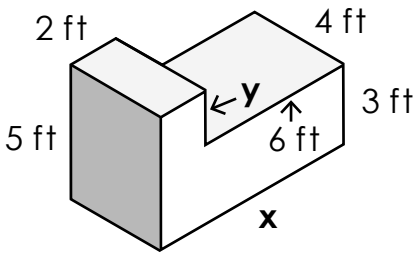
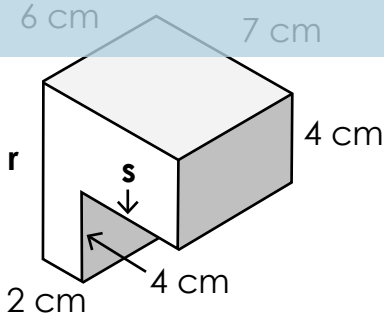
d.



e.



f.



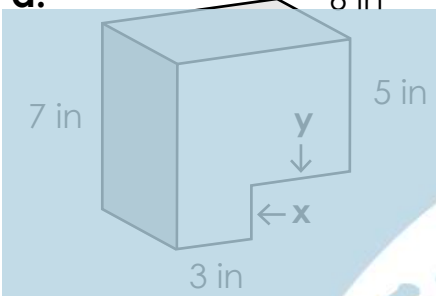
g = _____ **h** = _____ **x** = _____ **y** = _____ **r** = _____ **s** = _____

ANSWER KEY

Volume of Composite Figures

Find the missing lengths and volume of each solid figure.

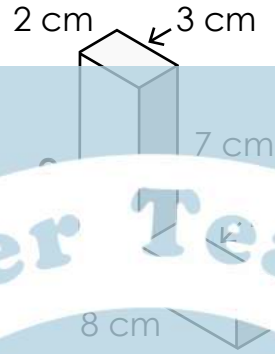
a.



x = 2 y =

5 x 6 x 7 =

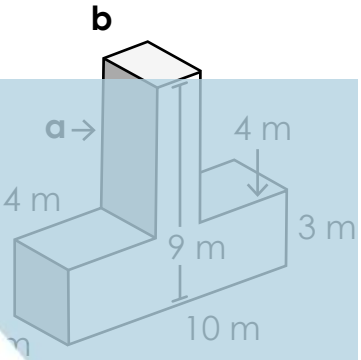
b.



e = 9 f = 5

2 x 3 x 9 = 54 cm³

c.



b = 2

6 = 36 m³

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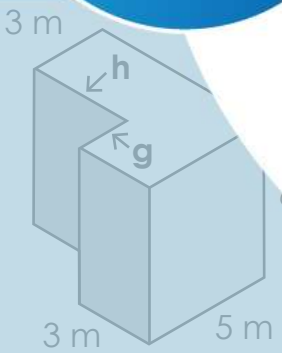
d.



g = 2 h = 4

2 x 3 x 6 = 36 m³

3 x 6 x 7 = 126 m³

36 + 126 = 162 m³

or

3 x 4 x 6 = 72 m³

3 x 5 x 6 = 90 m³

72 + 90 = 162 m³

e.

x = 8 y = 2

2 x 4 x 5 = 40 ft³

3 x 4 x 6 = 72 ft³

40 + 72 = 112 ft³

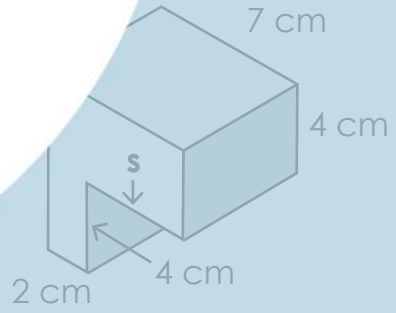
or

2 x 2 x 4 = 16 ft³

3 x 4 x 8 = 96 ft³

16 + 96 = 112 ft³

f.



r = 8 s = 5

2 x 6 x 8 = 96 cm³

4 x 5 x 6 = 120 cm³

96 + 120 = 216 cm³

or

4 x 6 x 7 = 168 cm³

2 x 4 x 6 = 48 cm³

168 + 48 = 216 cm³