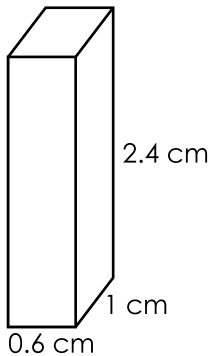


Name: _____

Volume of a Rectangular Prism



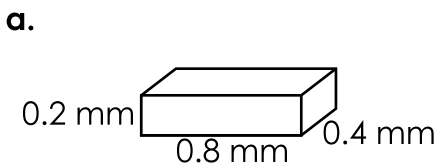
To find the volume of a rectangular prism, multiply the length by the width by the height.

$$V = l \times w \times h$$

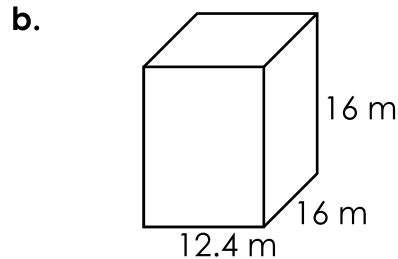
$$V = 0.6 \text{ cm} \times 1 \text{ cm} \times 2.4 \text{ cm}$$

$$V = 1.44 \text{ cm}^3$$

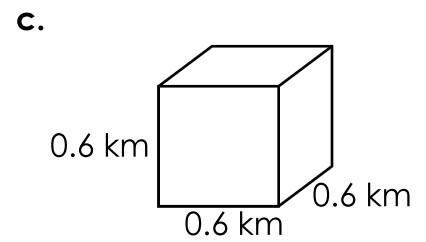
Calculate the volume of each rectangular prism. Be sure to include units in your answer.



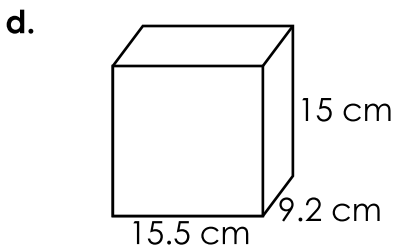
$V =$ _____



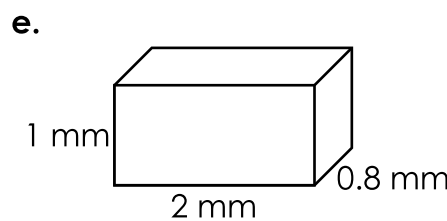
$V =$ _____



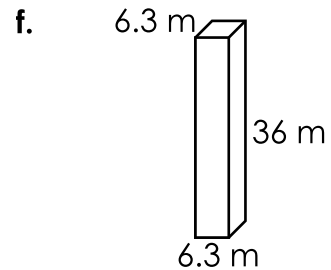
$V =$ _____



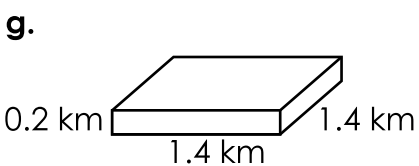
$V =$ _____



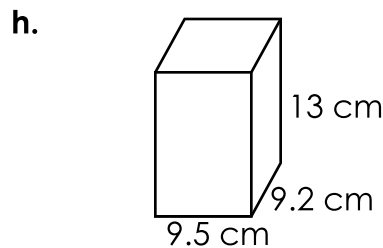
$V =$ _____



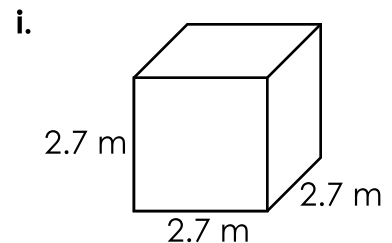
$V =$ _____



$V =$ _____



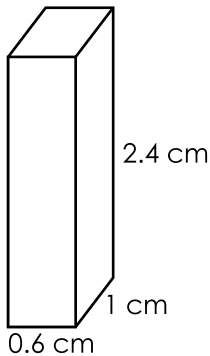
$V =$ _____



$V =$ _____

ANSWER KEY

Volume of a Rectangular Prism



To find the volume of a rectangular prism, multiply the length by the width by the height.

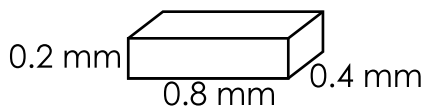
$$V = l \times w \times h$$

$$V = 0.6 \text{ cm} \times 1 \text{ cm} \times 2.4 \text{ cm}$$

$$V = 1.44 \text{ cm}^3$$

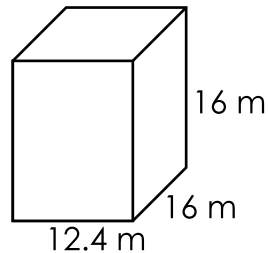
Calculate the volume of each rectangular prism. Be sure to include units in your answer.

a.



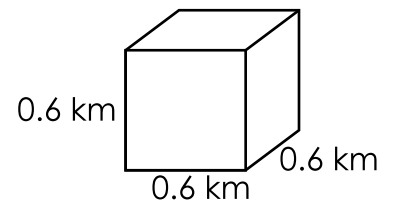
$$V = \underline{0.064 \text{ mm}^3}$$

b.



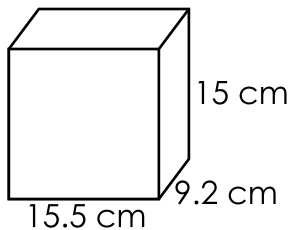
$$V = \underline{3,174.4 \text{ m}^3}$$

c.



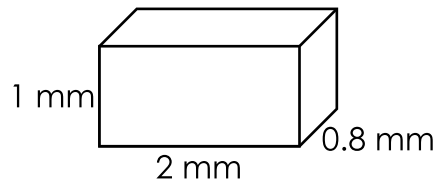
$$V = \underline{0.216 \text{ km}^3}$$

d.



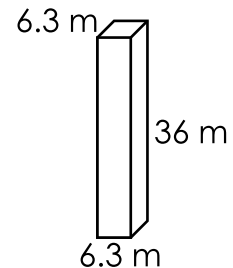
$$V = \underline{2,139 \text{ cm}^3}$$

e.



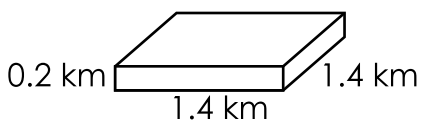
$$V = \underline{1.6 \text{ mm}^3}$$

f.



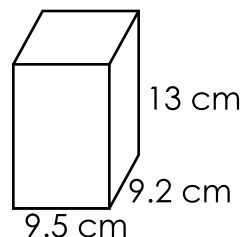
$$V = \underline{1,428.84 \text{ m}^3}$$

g.



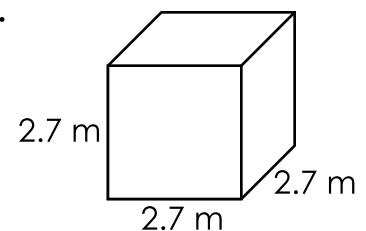
$$V = \underline{0.392 \text{ km}^3}$$

h.



$$V = \underline{1,136.2 \text{ cm}^3}$$

i.



$$V = \underline{19.683 \text{ m}^3}$$