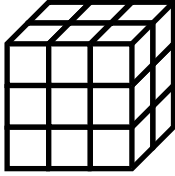


Name: \_\_\_\_\_

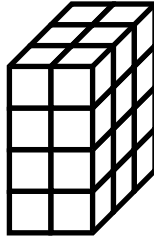
# Volume of Rectangular Prisms

Find the volume of each rectangular prism.

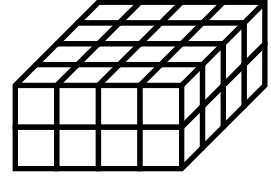
a.



b.



c.



volume: \_\_\_\_\_

volume: \_\_\_\_\_

volume: \_\_\_\_\_

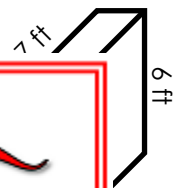
d.



e.



f.



**PREVIEW**  
Please log in or register to download the printable version of this worksheet.

volume: \_\_\_\_\_

volume: \_\_\_\_\_

volume: \_\_\_\_\_

**g.**  $l = 10 \text{ m}$   
 $w = 4 \text{ m}$   
 $h = 8 \text{ m}$

**h.**  $l = 6 \text{ mm}$   
 $w = 7 \text{ mm}$   
 $h = 3 \text{ mm}$

**i.**  $l = 9 \text{ km}$   
 $w = 5 \text{ km}$   
 $h = 7 \text{ km}$

volume: \_\_\_\_\_

volume: \_\_\_\_\_

volume: \_\_\_\_\_

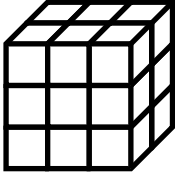
**j.** Paul and Jim work at a t-shirt factory. They pack t-shirts in boxes and send them to stores. Jim has a box that measures 2 ft by 4 ft by 6 ft. Paul has a box that measures 3 ft by 5 ft by 3 ft. Whose box can hold more t-shirts? \_\_\_\_\_

# ANSWER KEY

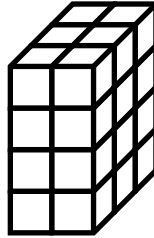
## Volume of Rectangular Prisms

Find the volume of each rectangular prism.

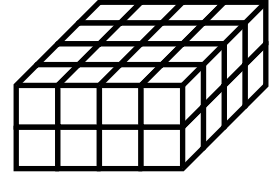
a.



b.



c.

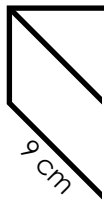


volume: 18 units<sup>3</sup>

volume: 24 units<sup>3</sup>

volume: 32 units<sup>3</sup>

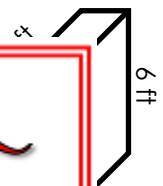
d.



e.



f.



volume: 216 cm<sup>3</sup>

volume: 150 in.<sup>3</sup>

volume: 84 ft<sup>3</sup>

g.  $l = 10 \text{ m}$   
 $w = 4 \text{ m}$   
 $h = 8 \text{ m}$

h.  $l = 6 \text{ mm}$   
 $w = 7 \text{ mm}$   
 $h = 3 \text{ mm}$

i.  $l = 9 \text{ km}$   
 $w = 5 \text{ km}$   
 $h = 7 \text{ km}$

volume: 320 m<sup>3</sup>

volume: 126 mm<sup>3</sup>

volume: 315 km<sup>3</sup>

j. Paul and Jim work at a t-shirt factory. They pack t-shirts in boxes and send them to stores. Jim has a box that measures 2 ft by 4 ft by 6 ft. Paul has a box that measures 3 ft by 5 ft by 3 ft. Whose box can hold more t-shirts? **Jim's box (48 ft<sup>3</sup>) > Paul's box (45 ft<sup>3</sup>)**