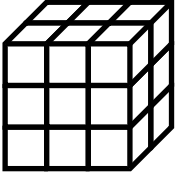


Name: \_\_\_\_\_

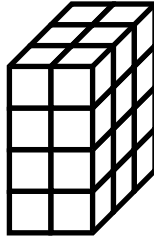
## Volume of Rectangular Prisms

Find the volume of each rectangular prism.

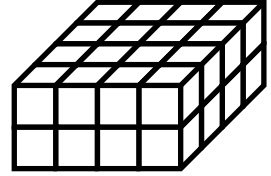
a.



b.



c.

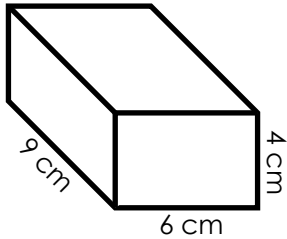


volume: \_\_\_\_\_

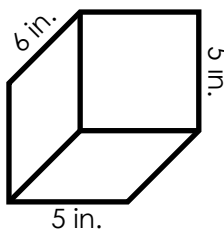
volume: \_\_\_\_\_

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

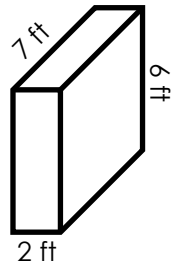
d.



e.



f.



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?

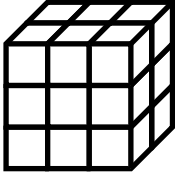
\_\_\_\_\_

# ANSWER KEY

## Volume of Rectangular Prisms

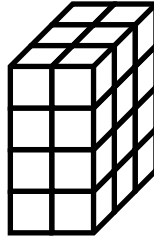
Find the volume of each rectangular prism.

a.



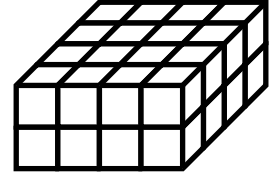
volume: 18 units<sup>3</sup>

b.



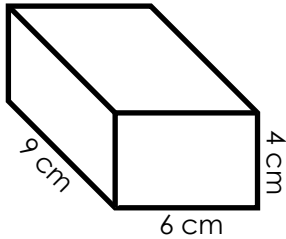
volume: 24 units<sup>3</sup>

c.



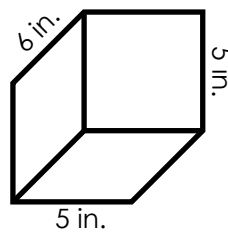
volume: 32 units<sup>3</sup>

d.



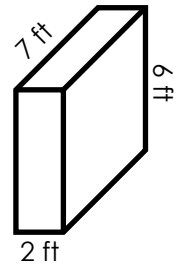
volume: 216 cm<sup>3</sup>

e.



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

f.



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

g.

$$l = 10 \text{ m}$$

$$w = 4 \text{ m}$$

$$h = 8 \text{ m}$$

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

h.

$$l = 6 \text{ mm}$$

$$w = 7 \text{ mm}$$

$$h = 3 \text{ mm}$$

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

i.

$$l = 9 \text{ km}$$

$$w = 5 \text{ km}$$

$$h = 7 \text{ km}$$

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>)**