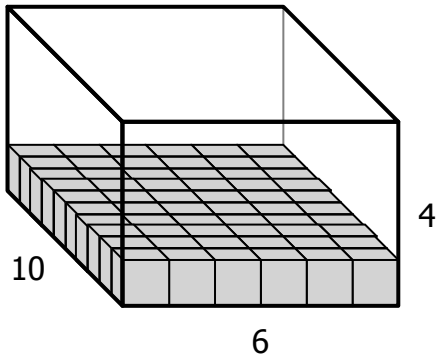
A.

The length of a rectangular prism is 10, the width is 6 and the height is 4.

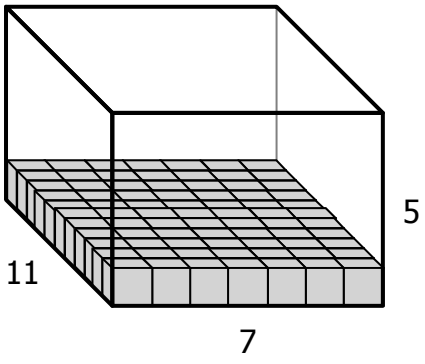


Area of base: $10\times6=60$

Volume: $4\times60=240$

B.

The length of a rectangular prism is 11, the width is 7 and the height is 5.

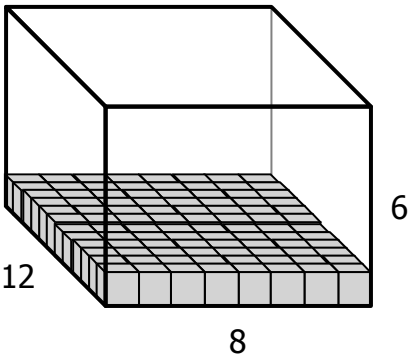


Area of base: _____

Volume: _____

C.

The length of a rectangular prism is 12, the width is 8 and the height is 6.

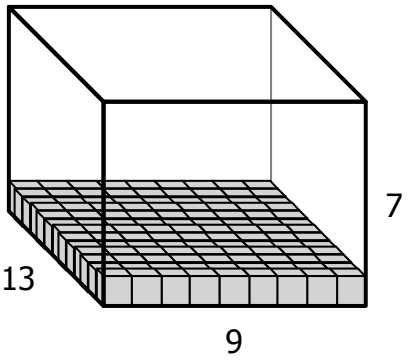


Area of base: _____

Volume: _____

D.

The length of a rectangular prism is 13, the width is 9 and the height is 7.

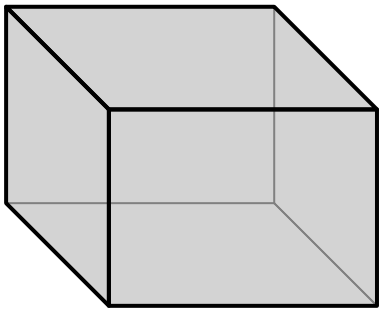


Area of base: _____

Volume: _____

A.

The length of a rectangular prism is 23, the width is 15 and the height is 11.

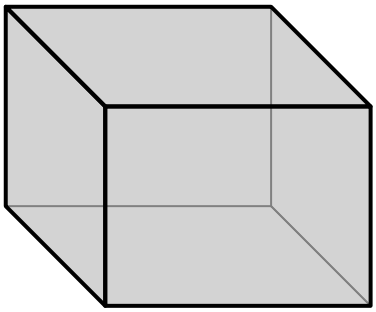


Area of base: _____

Volume: _____

B.

The length of a rectangular prism is 24, the width is 16 and the height is 12.

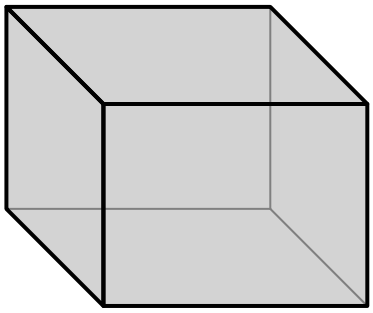


Area of base: _____

Volume: _____

C.

The length of a rectangular prism is 25, the width is 17 and the height is 13.

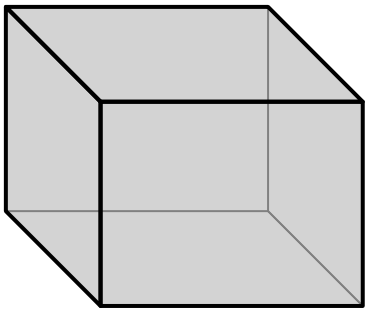


Area of base: _____

Volume: _____

D.

The length of a rectangular prism is 26, the width is 18 and the height is 14.



Area of base: _____

Volume: _____

A.

The length of a rectangular prism is 23, the width is 21 and the height is 6.

Area of base: _____

Volume: _____

B.

The length of a rectangular prism is 25, the width is 22 and the height is 7.

Area of base: _____

Volume: _____

C.

The length of a rectangular prism is 27, the width is 23 and the height is 8.

Area of base: _____

Volume: _____

D.

The length of a rectangular prism is 29, the width is 24 and the height is 9.

Area of base: _____

Volume: _____

E.

The length of a rectangular prism is 31, the width is 25 and the height is 10.

Area of base: _____

Volume: _____

F.

The length of a rectangular prism is 33, the width is 26 and the height is 11.

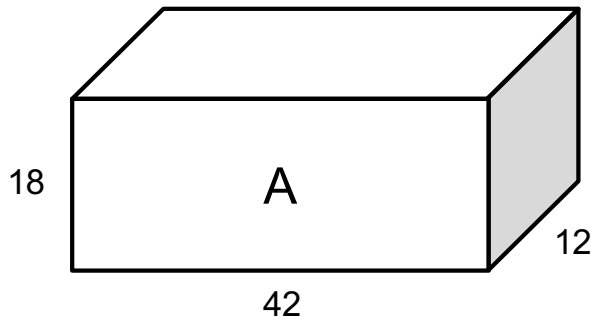
Area of base: _____

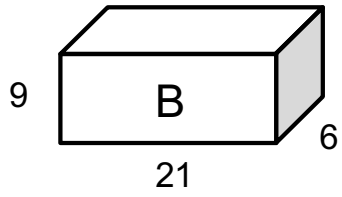
Volume: _____

Name:

Problem of the Day Lesson 22

The length, width, and height of Box A, measured in feet, are each 2 times the length, width, and height of Box B.





The volume of Box A, measured in cubic feet, is how many times the volume of Box B?

a. 2 times

b. 4 times

c. 6 times

d. 8 times

Name:

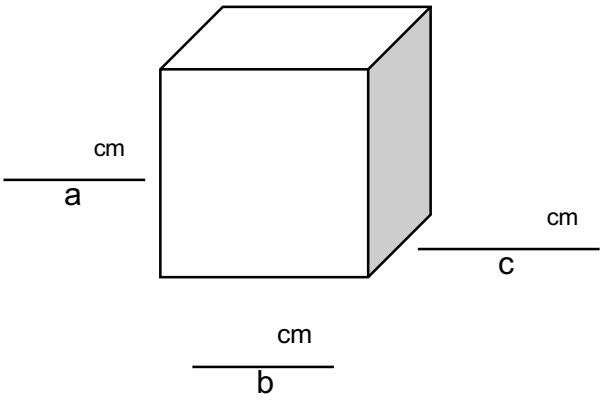
DIMENSION DETECTIVE - B

Use all numbers from the bank and the clues to figure out the dimensions of each rectangular prism. *Objects are not drawn to scale.*

Number bank

3 4 5 6 7 8 9 10 11 12

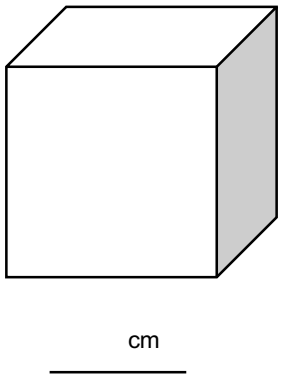
Volume = 450 cm^3



a x c = 50 cm^2

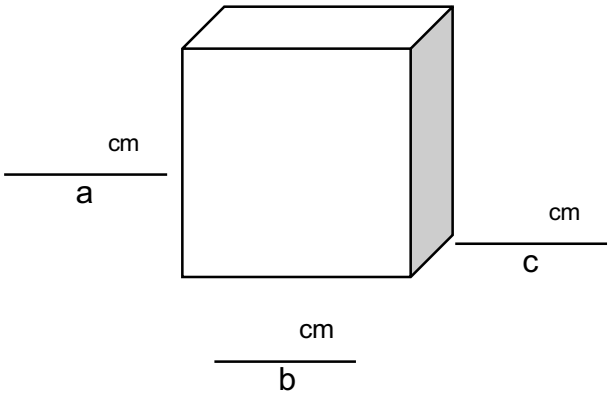
b + c = 19 cm

Volume = 343 cm^3



Area of base = 49

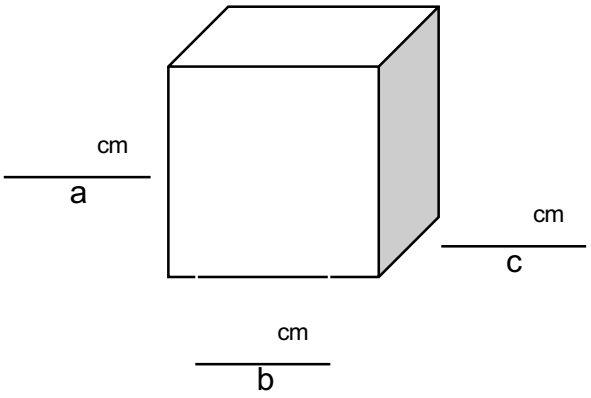
Volume = 288 cm^3



Area of base (b x c) = 24 cm^2

a = 2c

Volume = 264 cm^3



Area of base (b x c) = 24 cm^2

a > 3c