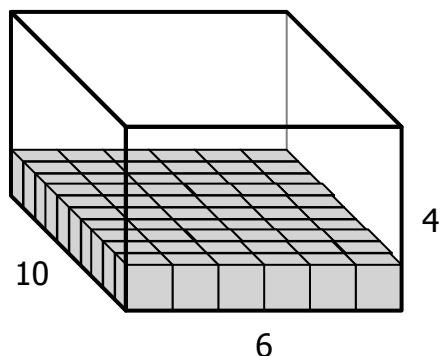


1.

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

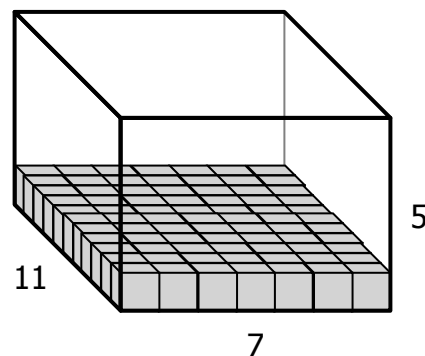


Area of base: $10 \times 6 = 60$

Volume: $4 \times 60 = 240$

2.

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

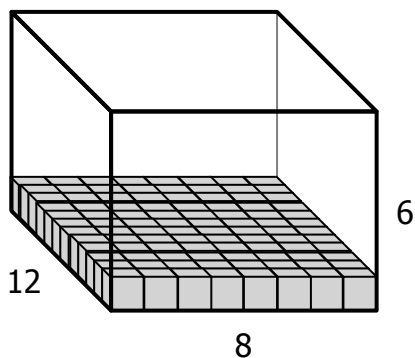


Area of base: _____

Volume: _____

3.

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

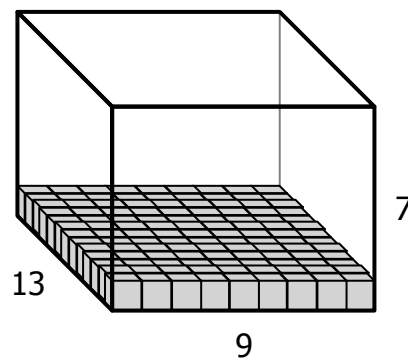


Area of base: _____

Volume: _____

4.

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

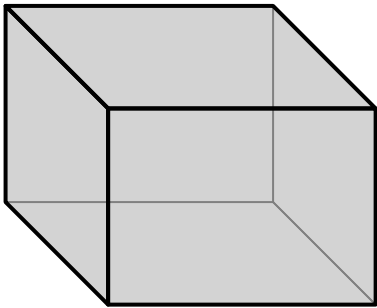


Area of base: _____

Volume: _____

1.

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

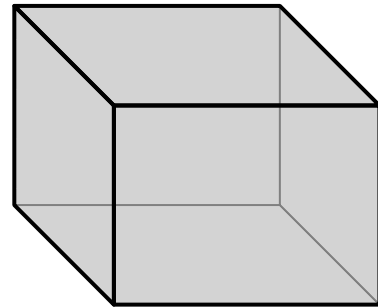


Area of base: _____

Volume: _____

2.

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

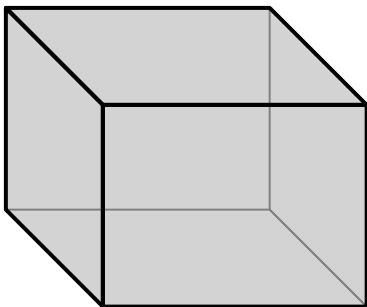


Area of base: _____

Volume: _____

3.

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

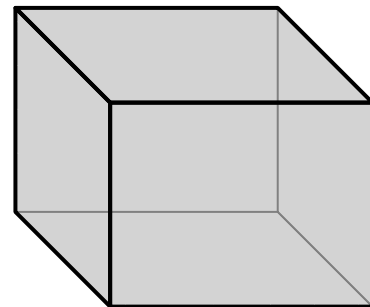


Area of base: _____

Volume: _____

4.

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



Area of base: _____

Volume: _____

1.

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

Area of base: _____

Volume: _____

2.

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

Area of base: _____

Volume: _____

3.

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

Area of base: _____

Volume: _____

4.

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

Area of base: _____

Volume: _____

5.

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

Area of base: _____

Volume: _____

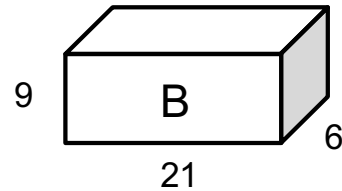
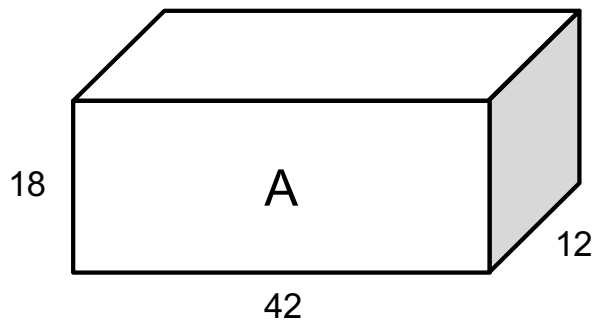
6.

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

Area of base: _____

Volume: _____

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 | c. 6 times |
| b. 4 times | d. 8 times |

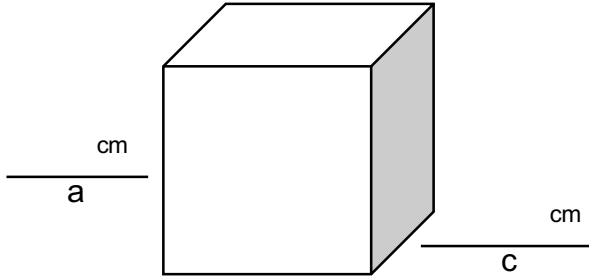
DIMENSION DETECTIVE - B

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

3456789101112

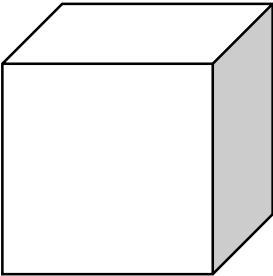
Volume = 450 cm³



A rectangular prism is shown with three dimensions labeled: 'a' for the width (horizontal line to the left), 'b' for the depth (horizontal line below the front face), and 'c' for the height (horizontal line to the right of the side face). Each label is accompanied by a 'cm' unit indicator.

$a \times c = 50 \text{ cm}^2$
 $b + c = 19 \text{ cm}$

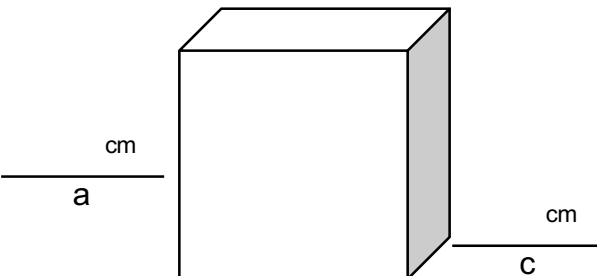
Volume = 343 cm³



A rectangular prism is shown with three dimensions labeled: 'a' for the width (horizontal line to the left), 'b' for the depth (horizontal line below the front face), and 'c' for the height (horizontal line to the right of the side face). Each label is accompanied by a 'cm' unit indicator.

Area of base = 49

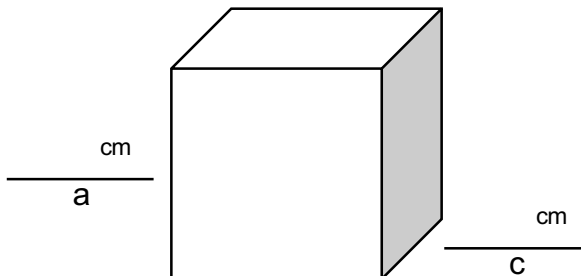
Volume = 288 cm³



A rectangular prism is shown with three dimensions labeled: 'a' for the width (horizontal line to the left), 'b' for the depth (horizontal line below the front face), and 'c' for the height (horizontal line to the right of the side face). Each label is accompanied by a 'cm' unit indicator.

Area of base ($b \times c$) = 24 cm²
 $a = 2c$

Volume = 264 cm³



A rectangular prism is shown with three dimensions labeled: 'a' for the width (horizontal line to the left), 'b' for the depth (horizontal line below the front face), and 'c' for the height (horizontal line to the right of the side face). Each label is accompanied by a 'cm' unit indicator.

Area of base ($b \times c$) = 24 cm²
 $a > 3c$