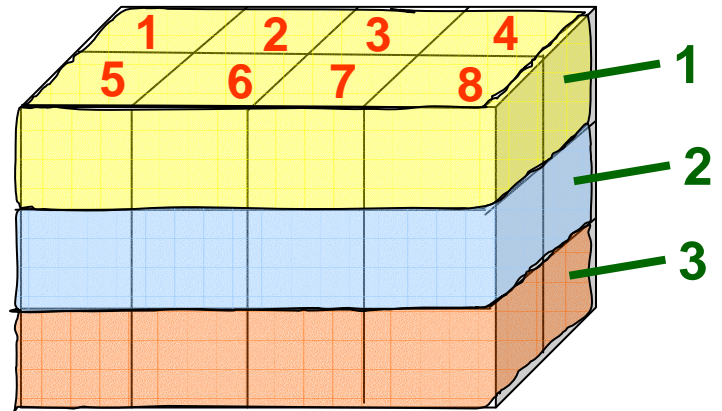


Volume

Volume – the amount of space an object takes up. It is measured in cubic units.

You can solve volume problems using layers, columns or rows.

What is the volume of this rectangular prism?



Steps: (Layer method shown)

of cubes in 1 layer: 8

1. Color and count the layers.

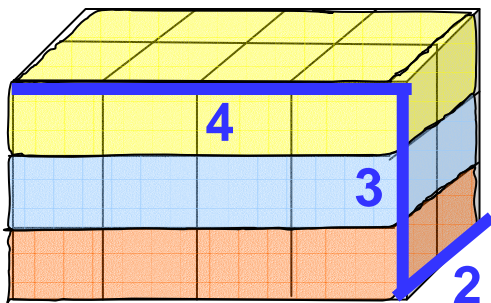
2. Count the cubes in 1 layer. Be careful not to double count the tops or sides of a cube.

of layers: 3

$$8 \times 3 = \text{24 cubic units}$$

3. Multiply and label your answer in cubic units.

USE Z METHOD TO CHECK:



Multiply the length, height and width.

$$\underline{4} \times \underline{3} = 12 \times \underline{2} = 24 \text{ units}^3$$