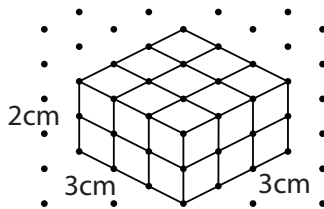


# Cubes and Volume

**Volume** is the measure of space inside of a solid object.

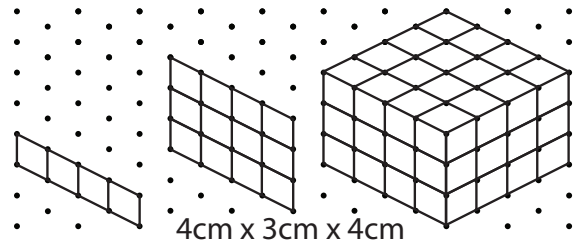
Volume is measured in **cubic units (cm<sup>3</sup>)**.



$$3\text{cm} \times 3\text{cm} \times 2\text{cm} = V$$

$$18\text{cm}^3 = \text{Volume}$$

## How to Draw the 3D Object



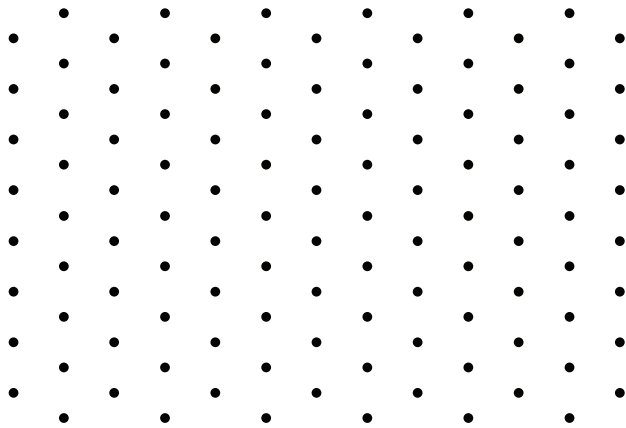
**Step 1**  
Draw Length

**Step 2**  
Draw Height

**Step 3**  
Draw Width

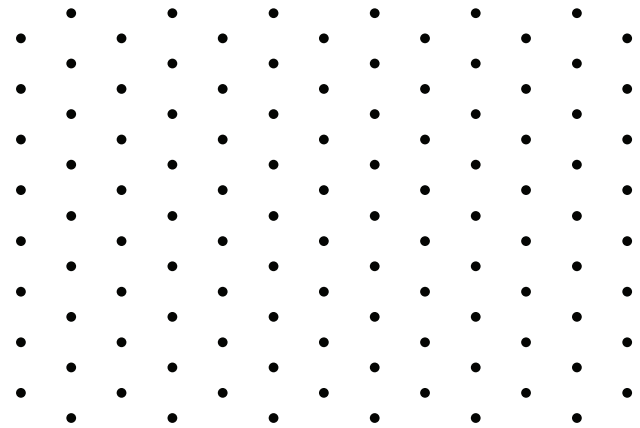
**Directions:** Draw a rectangular prism with the given dimensions. Label the sides and calculate the volume in cubic centimeters.

1.



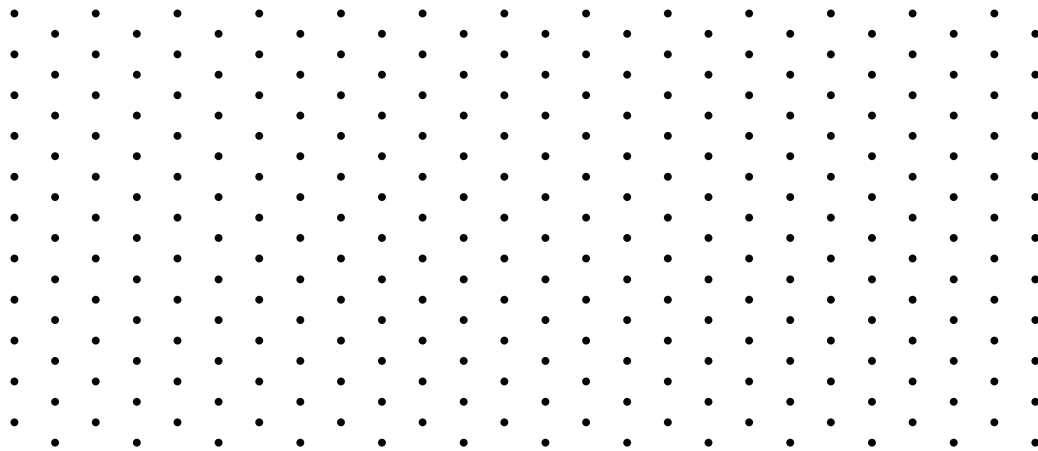
$$2\text{ cm} \times 4\text{ cm} \times 3\text{ cm} = \underline{\hspace{2cm}} \text{ cm}^3$$

2.



$$4\text{ cm} \times 1\text{ cm} \times 2\text{ cm} = \underline{\hspace{2cm}} \text{ cm}^3$$

3.



$$8\text{ cm} \times 4\text{ cm} \times 3\text{ cm} = \underline{\hspace{2cm}} \text{ cm}^3$$