



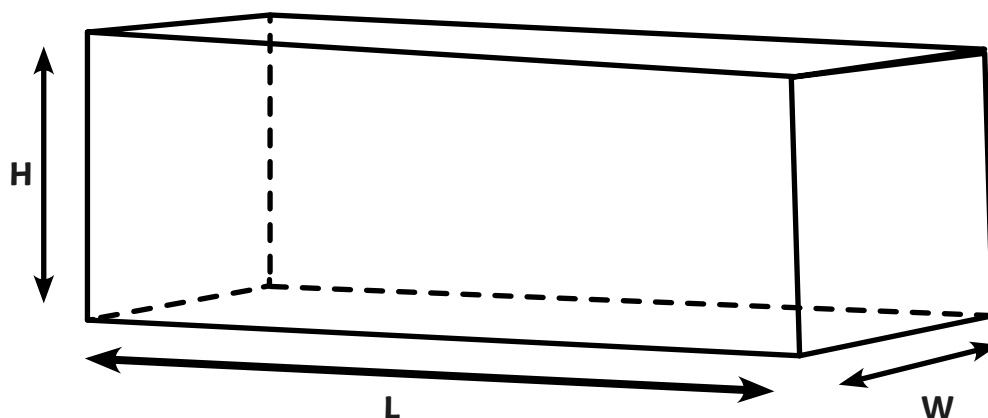
# Calculating Volume

I can multiply together 3 numbers.



To calculate the volume of cuboids, we need to multiply the length by the width by the height.

**Volume = Length (L) × Width (W) × Height (H)**



**Calculate the volume of these cuboids:**

1.  $2\text{cm} \times 3\text{cm} \times 4\text{cm} = \underline{\hspace{2cm}} \text{cm}^3$
2.  $1\text{cm} \times 2\text{cm} \times 3\text{cm} = \underline{\hspace{2cm}} \text{cm}^3$
3.  $2\text{cm} \times 5\text{cm} \times 3\text{cm} = \underline{\hspace{2cm}} \text{cm}^3$
4.  $4\text{cm} \times 1\text{cm} \times 10\text{cm} = \underline{\hspace{2cm}} \text{cm}^3$
5.  $6\text{cm} \times 1\text{cm} \times 2\text{cm} = \underline{\hspace{2cm}} \text{cm}^3$

**Can you work out the missing lengths?**

1.  $2\text{cm} \times \underline{\hspace{2cm}} \times 4\text{cm} = 48\text{cm}^3$
2.  $1\text{cm} \times \underline{\hspace{2cm}} \times 4\text{cm} = 32\text{cm}^3$
3.  $2\text{cm} \times 3\text{cm} \times \underline{\hspace{2cm}} = 18\text{cm}^3$
4.  $2\text{cm} \times 5\text{cm} \times \underline{\hspace{2cm}} = 50\text{cm}^3$
5.  $2\text{cm} \times \underline{\hspace{2cm}} \times 3\text{cm} = 36\text{cm}^3$



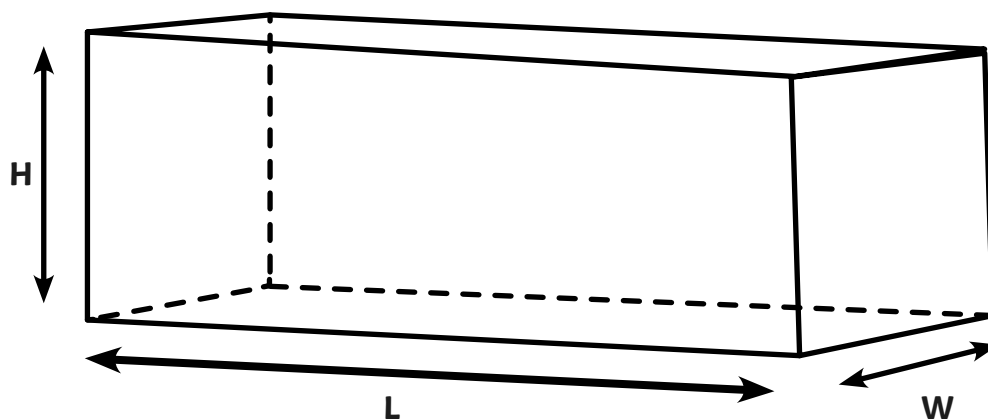
# Calculating Volume

I can multiply together 3 numbers.



To calculate the volume of cuboids, we need to multiply the length by the width by the height.

**Volume = Length (L) × Width (W) × Height (H)**



**Calculate the volume of these cuboids:**

1.  $15\text{cm} \times 3\text{cm} \times 4\text{cm} = \underline{\hspace{2cm}} \text{cm}^3$
2.  $1\text{cm} \times 20\text{cm} \times 3\text{cm} = \underline{\hspace{2cm}} \text{cm}^3$
3.  $20\text{cm} \times 5\text{cm} \times 3\text{cm} = \underline{\hspace{2cm}} \text{cm}^3$
4.  $4\text{cm} \times 10\text{cm} \times 10\text{cm} = \underline{\hspace{2cm}} \text{cm}^3$
5.  $6\text{cm} \times 11\text{cm} \times 2\text{cm} = \underline{\hspace{2cm}} \text{cm}^3$

**Can you work out the missing lengths?**

1.  $2\text{cm} \times \underline{\hspace{2cm}} \times 4\text{cm} = 240\text{cm}^3$
2.  $1\text{cm} \times \underline{\hspace{2cm}} \times 4\text{cm} = 200\text{cm}^3$
3.  $12\text{cm} \times 3\text{cm} \times \underline{\hspace{2cm}} = 108\text{cm}^3$
4.  $5\text{cm} \times 5\text{cm} \times \underline{\hspace{2cm}} = 500\text{cm}^3$
5.  $20\text{cm} \times \underline{\hspace{2cm}} \times 3\text{cm} = 120\text{cm}^3$



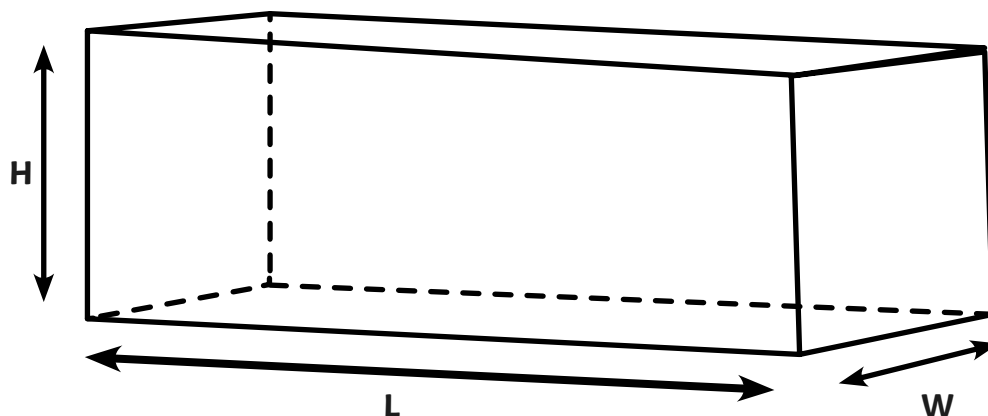
# Calculating Volume

I can multiply together 3 numbers.



To calculate the volume of cuboids, we need to multiply the length by the width by the height.

**Volume = Length (L) × Width (W) × Height (H)**



**Calculate the volume of these cuboids:**

1.  $15\text{cm} \times 3\text{cm} \times 6\text{cm} = \underline{\hspace{2cm}} \text{cm}^3$
2.  $1\text{cm} \times 20\text{cm} \times 7\text{cm} = \underline{\hspace{2cm}} \text{cm}^3$
3.  $20\text{cm} \times 5\text{cm} \times 8\text{cm} = \underline{\hspace{2cm}} \text{cm}^3$
4.  $4\text{cm} \times 10\text{cm} \times 100\text{cm} = \underline{\hspace{2cm}} \text{cm}^3$
5.  $6\text{cm} \times 11\text{cm} \times 20\text{cm} = \underline{\hspace{2cm}} \text{cm}^3$

**Can you work out the missing lengths?**

1.  $2\text{cm} \times \underline{\hspace{2cm}} \times 40\text{cm} = 2400\text{cm}^3$
2.  $1\text{cm} \times \underline{\hspace{2cm}} \times 40\text{cm} = 2000\text{cm}^3$
3.  $12\text{cm} \times 30\text{cm} \times \underline{\hspace{2cm}} = 1080\text{cm}^3$
4.  $5\text{cm} \times 50\text{cm} \times \underline{\hspace{2cm}} = 5000\text{cm}^3$
5.  $20\text{cm} \times \underline{\hspace{2cm}} \times 30\text{cm} = 1200\text{cm}^3$



# Calculating Volume **Answers**

**Calculate the volume of these cuboids:**

1.  $2\text{cm} \times 3\text{cm} \times 4\text{cm} = \underline{\quad \mathbf{24} \quad} \text{cm}^3$
2.  $1\text{cm} \times 2\text{cm} \times 3\text{cm} = \underline{\quad \mathbf{6} \quad} \text{cm}^3$
3.  $2\text{cm} \times 5\text{cm} \times 3\text{cm} = \underline{\quad \mathbf{30} \quad} \text{cm}^3$
4.  $4\text{cm} \times 1\text{cm} \times 10\text{cm} = \underline{\quad \mathbf{40} \quad} \text{cm}^3$
5.  $6\text{cm} \times 1\text{cm} \times 2\text{cm} = \underline{\quad \mathbf{12} \quad} \text{cm}^3$

**Can you work out the missing lengths?**

1.  $2\text{cm} \times \underline{\quad \mathbf{6cm} \quad} \times 4\text{cm} = 48\text{cm}^3$
2.  $1\text{cm} \times \underline{\quad \mathbf{8cm} \quad} \times 4\text{cm} = 32\text{cm}^3$
3.  $2\text{cm} \times 3\text{cm} \times \underline{\quad \mathbf{3cm} \quad} = 18\text{cm}^3$
4.  $2\text{cm} \times 5\text{cm} \times \underline{\quad \mathbf{5cm} \quad} = 50\text{cm}^3$
5.  $2\text{cm} \times \underline{\quad \mathbf{6cm} \quad} \times 3\text{cm} = 36\text{cm}^3$



# Calculating Volume **Answers**

**Calculate the volume of these cuboids:**

1.  $15\text{cm} \times 3\text{cm} \times 4\text{cm} = \underline{\quad\quad\quad \mathbf{180} \quad\quad\quad} \text{cm}^3$
2.  $1\text{cm} \times 20\text{cm} \times 3\text{cm} = \underline{\quad\quad\quad \mathbf{60} \quad\quad\quad} \text{cm}^3$
3.  $20\text{cm} \times 5\text{cm} \times 3\text{cm} = \underline{\quad\quad\quad \mathbf{300} \quad\quad\quad} \text{cm}^3$
4.  $4\text{cm} \times 10\text{cm} \times 10\text{cm} = \underline{\quad\quad\quad \mathbf{400} \quad\quad\quad} \text{cm}^3$
5.  $6\text{cm} \times 11\text{cm} \times 2\text{cm} = \underline{\quad\quad\quad \mathbf{132} \quad\quad\quad} \text{cm}^3$

**Can you work out the missing lengths?**

1.  $2\text{cm} \times \underline{\quad\quad\quad \mathbf{30cm} \quad\quad\quad} \times 4\text{cm} = 240\text{cm}^3$
2.  $1\text{cm} \times \underline{\quad\quad\quad \mathbf{50cm} \quad\quad\quad} \times 4\text{cm} = 200\text{cm}^3$
3.  $12\text{cm} \times 3\text{cm} \times \underline{\quad\quad\quad \mathbf{3cm} \quad\quad\quad} = 108\text{cm}^3$
4.  $5\text{cm} \times 5\text{cm} \times \underline{\quad\quad\quad \mathbf{20cm} \quad\quad\quad} = 500\text{cm}^3$
5.  $20\text{cm} \times \underline{\quad\quad\quad \mathbf{2cm} \quad\quad\quad} \times 3\text{cm} = 120\text{cm}^3$



# Calculating Volume **Answers**

**Calculate the volume of these cuboids:**

1.  $15\text{cm} \times 3\text{cm} \times 6\text{cm} = \underline{\mathbf{270}} \text{ cm}^3$
2.  $1\text{cm} \times 20\text{cm} \times 7\text{cm} = \underline{\mathbf{140}} \text{ cm}^3$
3.  $20\text{cm} \times 5\text{cm} \times 8\text{cm} = \underline{\mathbf{800}} \text{ cm}^3$
4.  $4\text{cm} \times 10\text{cm} \times 100\text{cm} = \underline{\mathbf{4000}} \text{ cm}^3$
5.  $6\text{cm} \times 11\text{cm} \times 20\text{cm} = \underline{\mathbf{1320}} \text{ cm}^3$

**Can you work out the missing lengths?**

1.  $2\text{cm} \times \underline{\mathbf{30\text{cm}}} \times 40\text{cm} = 2400\text{cm}^3$
2.  $1\text{cm} \times \underline{\mathbf{50\text{cm}}} \times 40\text{cm} = 2000\text{cm}^3$
3.  $12\text{cm} \times 30\text{cm} \times \underline{\mathbf{3\text{cm}}} = 1080\text{cm}^3$
4.  $5\text{cm} \times 50\text{cm} \times \underline{\mathbf{20\text{cm}}} = 5000\text{cm}^3$
5.  $20\text{cm} \times \underline{\mathbf{2\text{cm}}} \times 30\text{cm} = 1200\text{cm}^3$