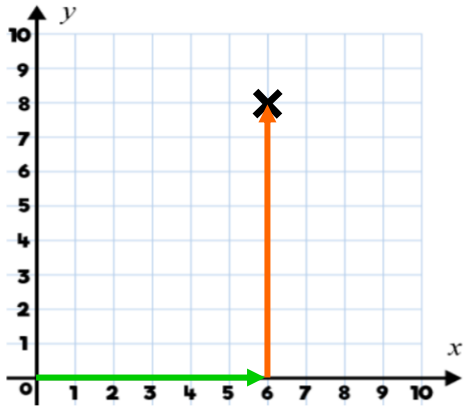
@MrH_T77

Year 3/4 - Position and direction & Mass and Capacity

Plotting in the first quadrant

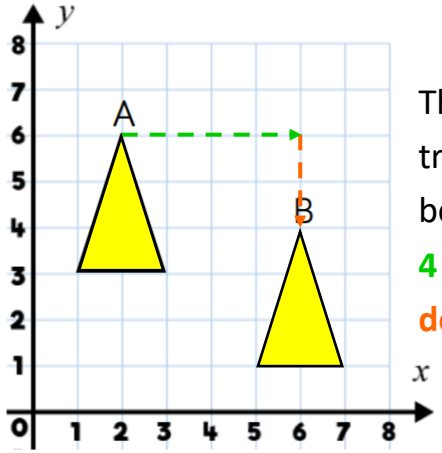
(6,8)



When plotting and reading co-ordinates, the **first co-ordinate** represents moving in the **x-direction** and the **second co-ordinate** represents moving in the **y-direction**.

Translation

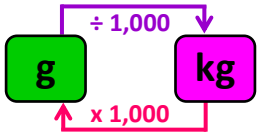
Translations are where a shape or co-ordinates are move across the **x-axis** and up or down the **y-axis**.



The yellow triangle has been translated **4 right** and **2 down**.

Converting mass

1kg = 1,000g



Examples:

7,000g = 7kg

38,000g = 38kg

9,500g = $9\frac{1}{2}$kg

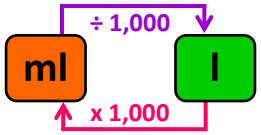
7kg and 345g = 7,345g

3kg and 23g = 3,023g

10kg and 4g = 10,004g

Converting capacity

1l = 1,000ml



Examples:

7,000ml = 7l

38,000ml = 38l

9,500ml = $9\frac{1}{2}$l

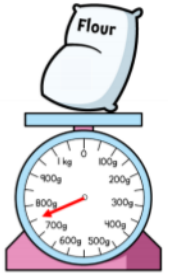
7l and 345ml = 7,345ml

3l and 23ml = 3,045ml

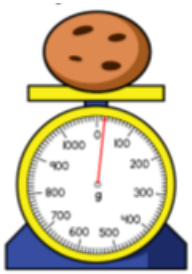
10l and 4ml = 10,004ml

Mass

Mass is a measure of an object's matter. It is similar to an object's **weight**; however, an object's **weight** can change (e.g. if it were to be on the moon).



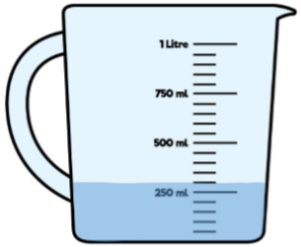
Mass = 750g.



Mass = 20g.

Capacity

Capacity is a measure of the maximum **volume** a container can contain. **Volume** is a measure of the space taken up by a 3D object or liquid.



The **capacity** of both containers is **1 litre**.

The volume of yellow liquid is 450ml

The volume of blue liquid is 300ml