

# Maths Mastery

Convert Between Different  
Units of Measure



## Capacity - Litres



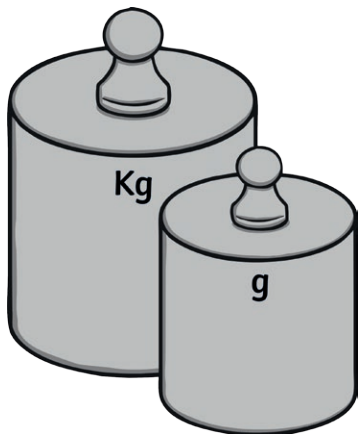
Complete this table:

Millilitres (ml)	Centilitres (cl)	Litres (l)
450		
	370	
		6.93

Which is larger?

- a) 340ml or 3.4 litres
- b) 560cl or 0.56 litres

## Mass - Grams



Complete these:

$$\frac{1}{2} \text{ kg} = \text{_____ g}$$

$$\frac{3}{4} \text{ kg} = \text{_____ g}$$

Which is greater?

$$\frac{1}{3} \text{ kg or } \frac{1}{4} \text{ kg}$$

Explain why.

## Distance and Length - Metres

Match these measurements:

40cm

0.4cm

4000mm

0.4m

4mm

400cm

4m

40,000m

40km

4km

4000m

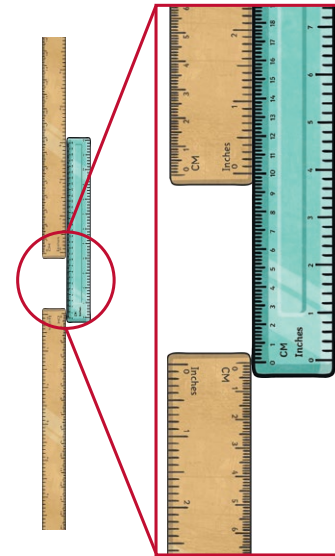
4m

### Conversion Word Problem

A teacher makes a mixed fruit juice drink, pouring three 750ml cartons of juice into a large jug. What is the volume of the mixed juice drink in litres?



### Conversion Word Problem



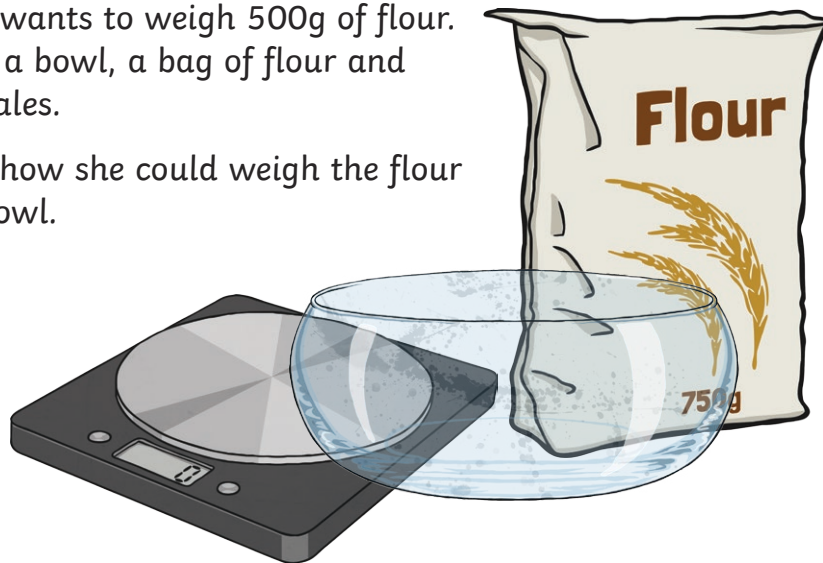
Natalia and Christian measure the height of a classroom using two metre sticks and a ruler. One metre stick reaches the ceiling and one is touching the floor. The cm ruler measures the gap between the metre sticks.

What is the height of the classroom in metres?

### Conversion Word Problem

Natalia wants to weigh 500g of flour. She has a bowl, a bag of flour and some scales.

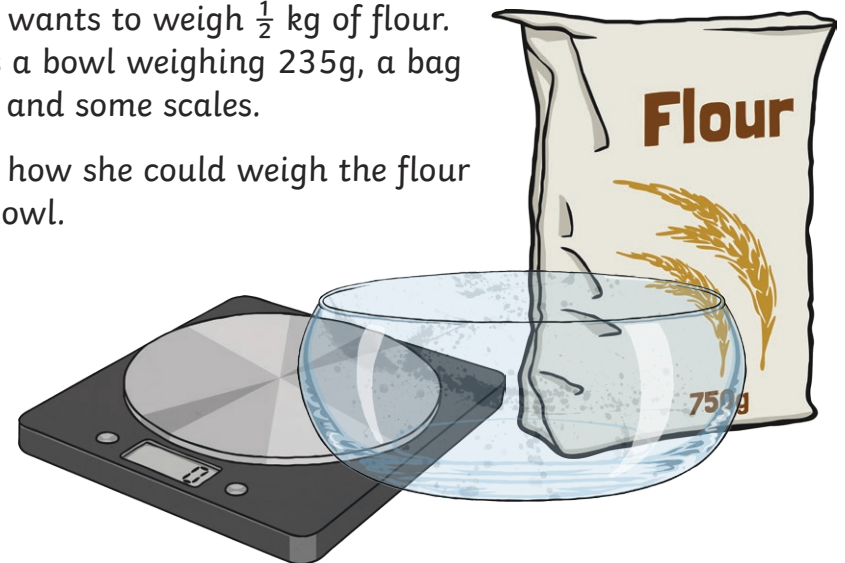
Explain how she could weigh the flour in the bowl.



### Conversion Word Problem

Natalia wants to weigh  $\frac{1}{2}$  kg of flour. She has a bowl weighing 235g, a bag of flour and some scales.

Explain how she could weigh the flour in the bowl.



# Maths Mastery

Convert Between Different  
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## Capacity - Litres - Answer



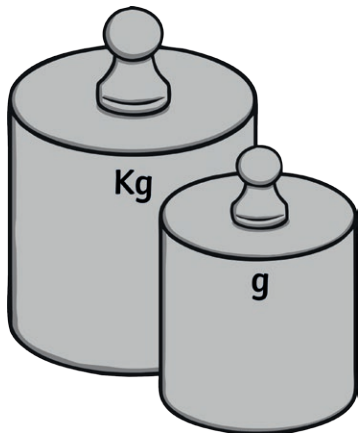
Complete this table:

Millilitres (ml)	Centilitres (cl)	Litres (l)
450	45	0.45
3700	370	3.7
6930	693	6.93

Which is larger?

- a) 340ml or 3.4 litres
- b) 560cl or 0.56 litres

## Mass - Grams - Answer



Complete these:

$$\frac{1}{2} \text{ kg} = \underline{500} \text{ g}$$

$$\frac{3}{4} \text{ kg} = \underline{750} \text{ g}$$

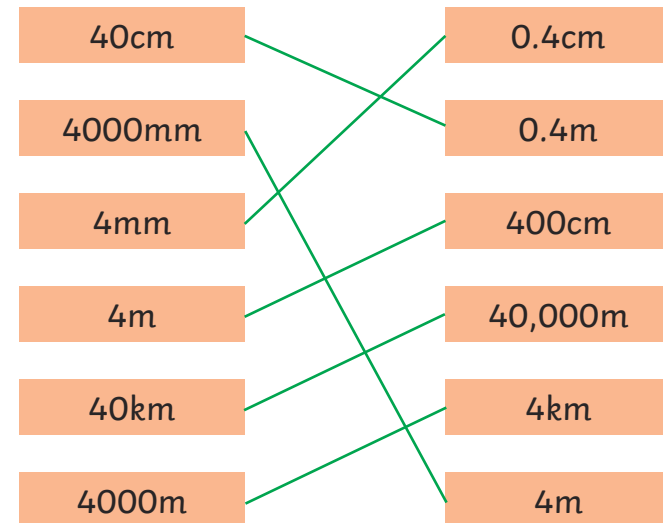
Which is greater?

$$\frac{1}{3} \text{ kg} \text{ or } \frac{1}{4} \text{ kg}$$

Explain why.

## Distance and Length - Metres - Answer

Match these measurements:



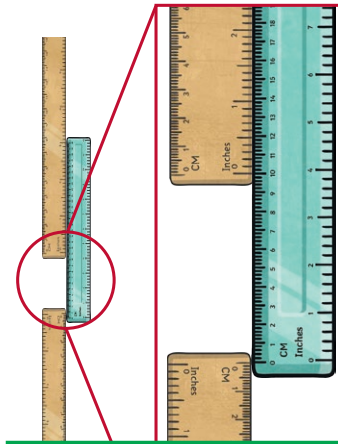
### Conversion Word Problem Answer

A teacher makes a mixed fruit juice drink, pouring three 750ml cartons of juice into a large jug. What is the volume of the mixed juice drink in litres?



$$3 \times 750\text{ml} = 2250\text{ml} = 2.25\text{l}$$

### Conversion Word Problem Answer



Natalia and Christian measure the height of a classroom using two metre sticks and a ruler. One metre stick reaches the ceiling and one is touching the floor. The cm ruler measures the gap between the metre sticks.

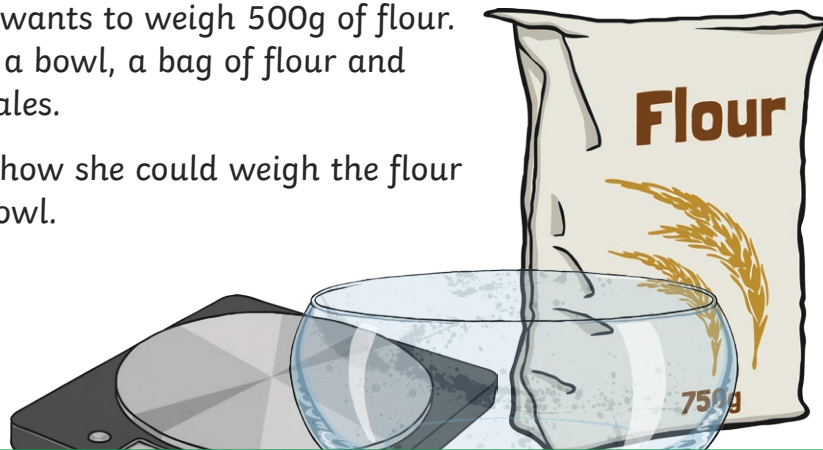
What is the height of the classroom in metres?

2.1 metres. The gap between the rulers measures 10cm so  
 $2\text{m} + 0.1\text{m} = 2.1\text{m}$

### Conversion Word Problem Answer

Natalia wants to weigh 500g of flour. She has a bowl, a bag of flour and some scales.

Explain how she could weigh the flour in the bowl.

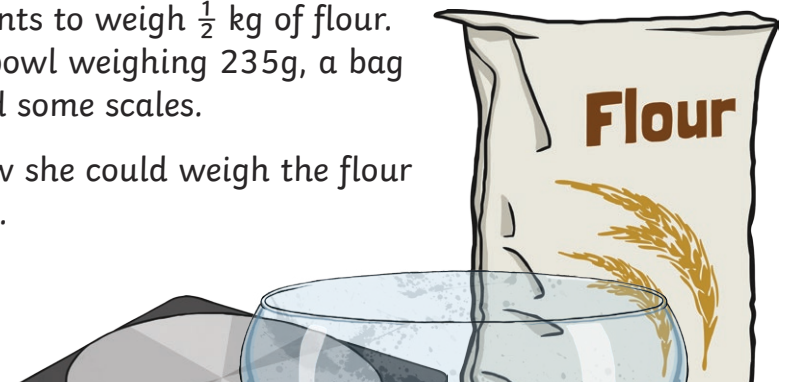


Put the bowl on the scales. Make a note of the weight. Add 500g to this and pour in the flour to the required weight.

### Conversion Word Problem Answer

Natalia wants to weigh  $\frac{1}{2}$  kg of flour. She has a bowl weighing 235g, a bag of flour and some scales.

Explain how she could weigh the flour in the bowl.



Add the weight of the bowl to the required weight of flour:  
 $235\text{g} + \frac{1}{2}\text{kg} = 235\text{g} + 500\text{g} = 735\text{g}$ . Place the bowl on the scales and pour in the flour to 735g.