Maths Mastery

Convert Between Different Units of Measure

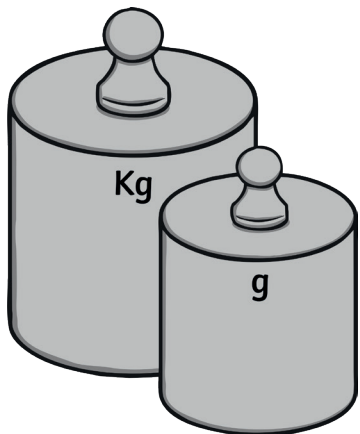**Capacity - Litres**

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

Kg

g

Complete these:

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

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

Which is greater?

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

Explain why.

Distance and Length - Metres

Match these measurements:

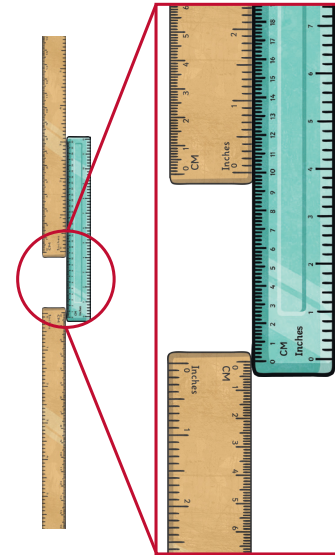|	
40cm	0.4cm
4000mm	0.4m
4mm	400cm
4m	40,000m
40km	4km
4000m	4m

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 $\frac{1}{2}$ 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.
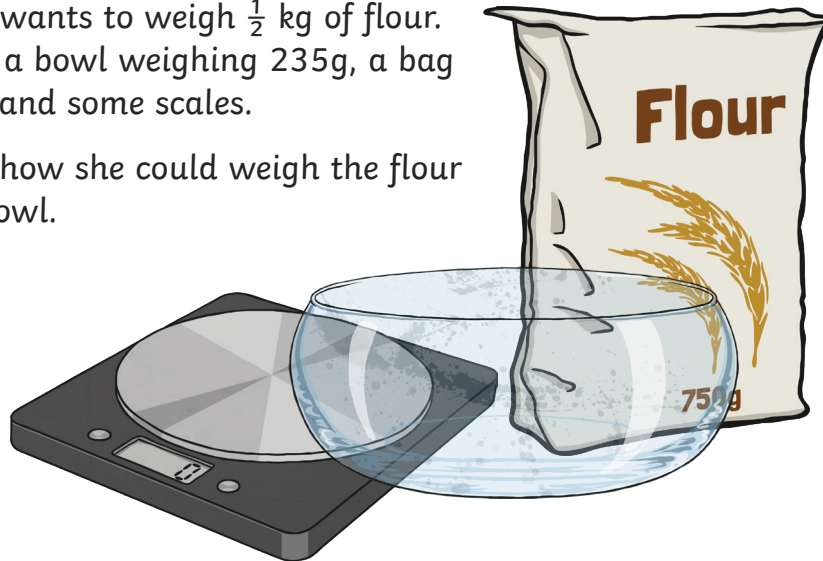
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Convert Between Different Units of Measure
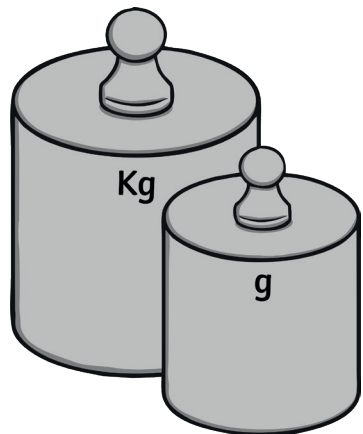
Capacity - Litres - Answer

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

Kg

g

Complete these:

$\frac{1}{2}$ **kg** = _500_ **g**

$\frac{3}{4}$ **kg** = _750_ **g**

Which is greater?

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

Explain why.

Distance and Length - Metres - Answer

Match these measurements:

|	
40cm	0.4cm
4000mm	0.4m
4mm	400cm
4m	40 000m
40km	4km
4000m	4m
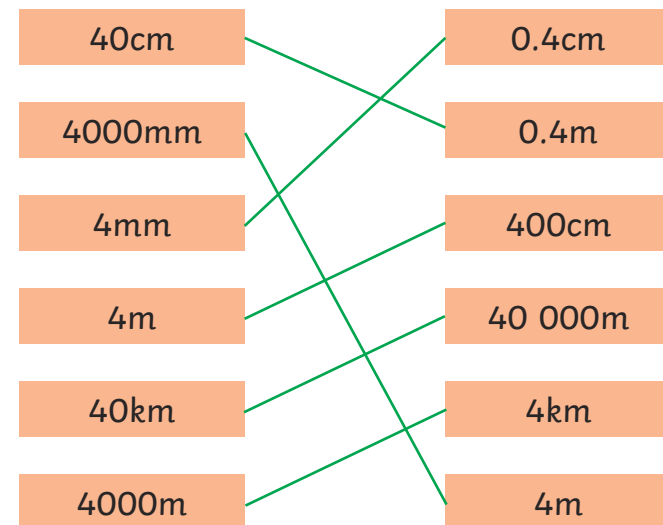
Conversion Word Problem Answer

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 × 750ml= 2250ml = 2.25l

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.
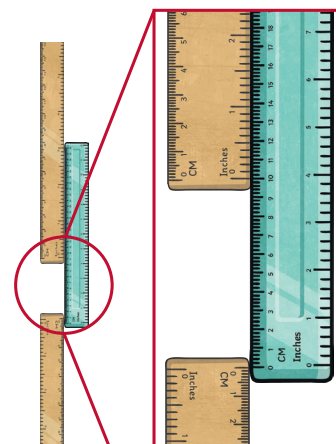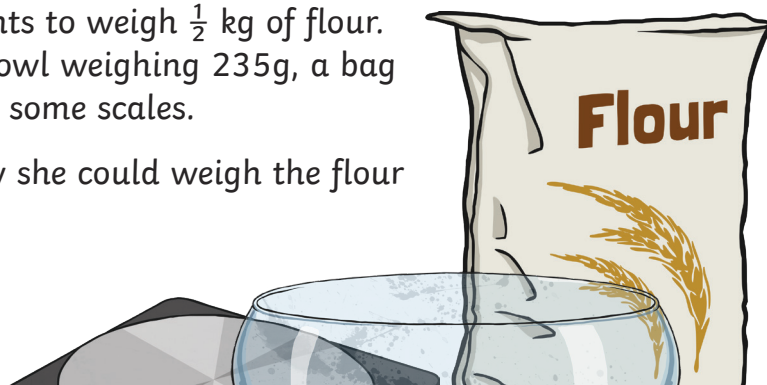
What is the height of the classroom in metres?

2.1 metres. The gap between the rulers measures 10cm so 2m + 0.1m = 2.1m

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