

Maths Mastery

**Convert Between Different
Units of Measure**



Capacity

Litres



Complete this table.

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

Which is larger?

340ml or 3.4 litres

3.4l

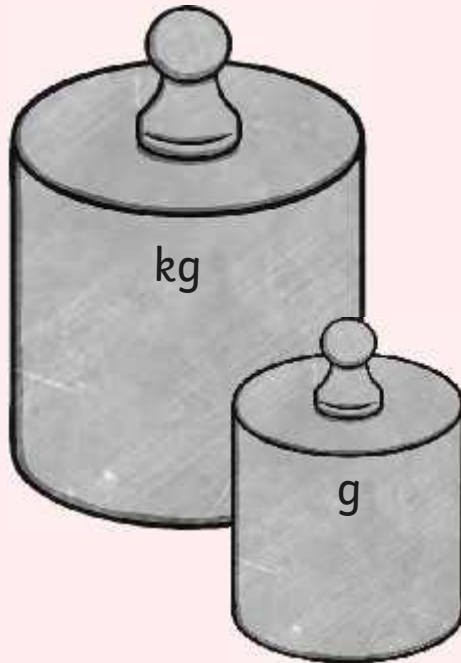
560cl or 0.56 litres

560cl

Hide
Answers

Mass

Grams



Complete these:

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

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

Which is greater?

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

Explain why.

$\frac{1}{3}$ kg is 333g, $\frac{1}{4}$ is 250g so $\frac{1}{3}$ is greater

Hide
Answers

Distance and Length

Metres

Match these measurements:

The image shows a matching exercise with two columns of measurement boxes. Red lines connect the boxes to show the correct matches. The connections are as follows:

- 40cm is connected to 0.4m.
- 4000mm is connected to 4m.
- 4mm is connected to 4000m.
- 4m is connected to 4000m.
- 40km is connected to 40 000m.
- 4000m is connected to 4km.

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

Hide
Answers

Conversion Word Problem

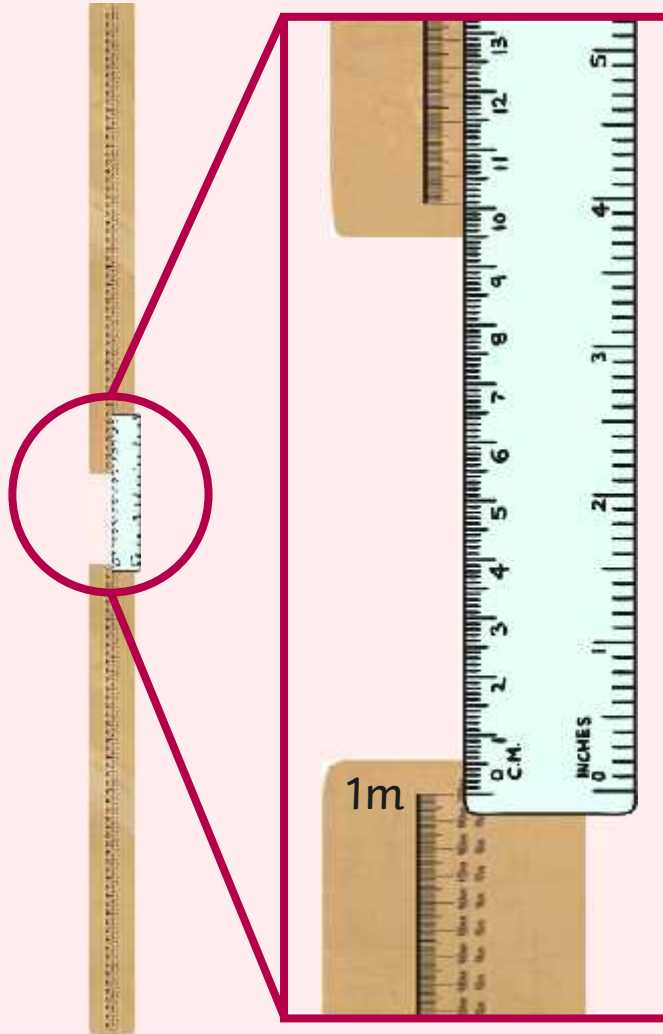
A teacher makes a mixed fruit juice drink, pouring three 750ml cartons of juice into a large jug. What is the volume of the mixed juice drink in litres?



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

Hide
Answers

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?

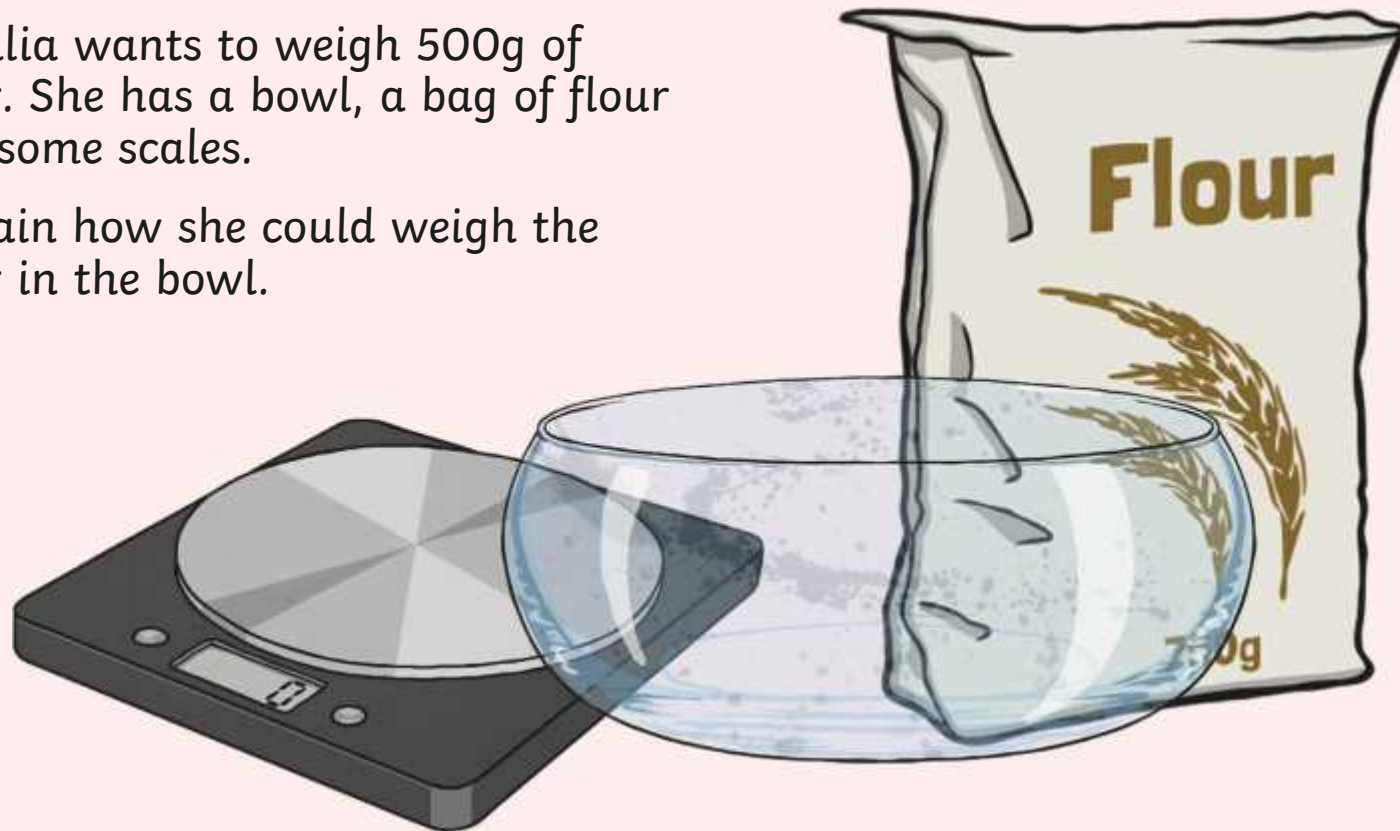
2.1 metres. The gap between the rulers measures 10cm so $2\text{m} + 0.1\text{m} = 2.1\text{m}$

Hide
Answers

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.



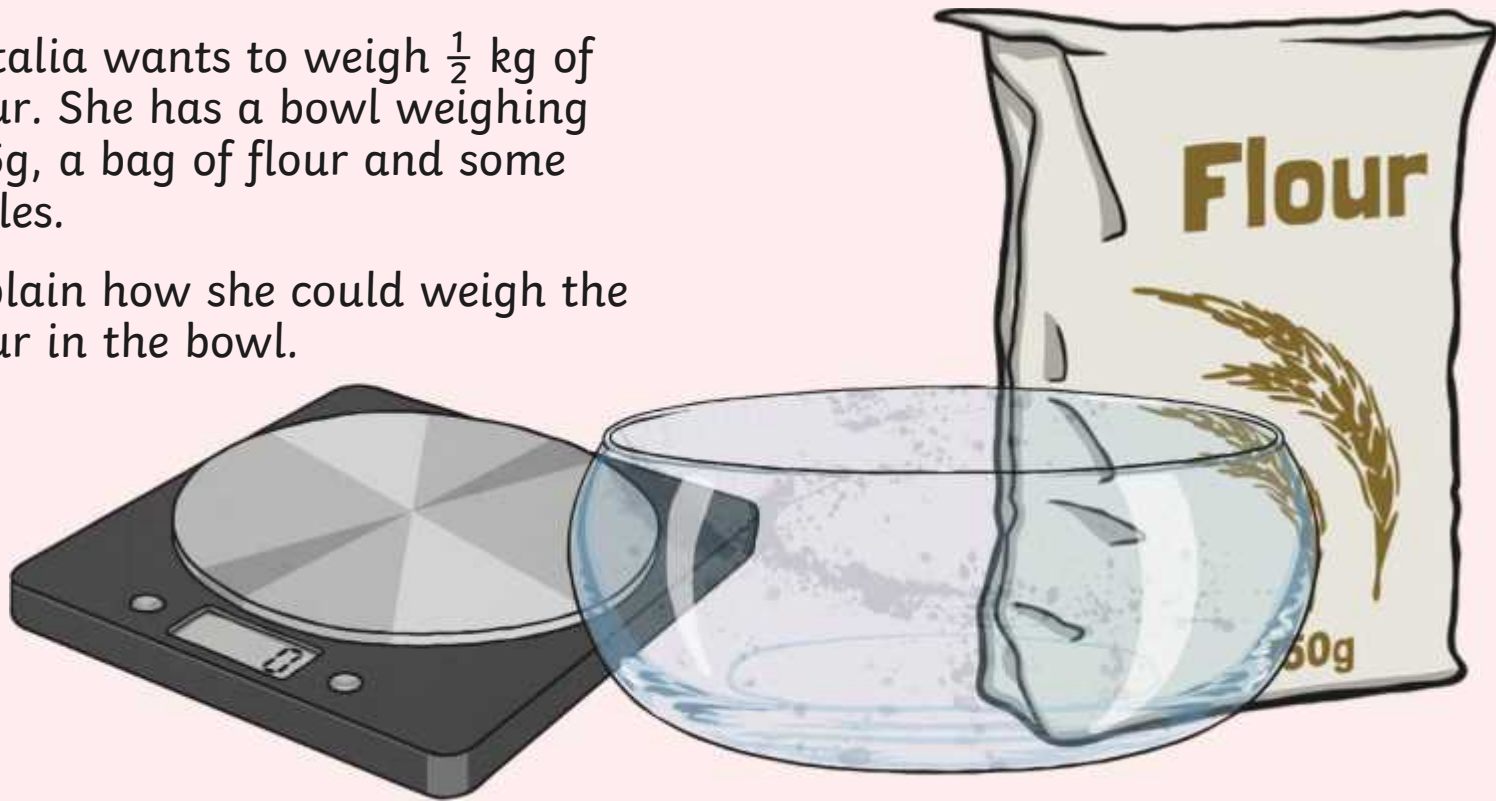
Put the bowl on the scales. Make a note of the weight. Add 500g to this and pour in the flour to the required weight.

Hide
Answers

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.



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.

Hide
Answers

