Whiteboard lesson

WAL: to read (and apply to problem solving) labelled /unlabelled divisions for measure

Vocabulary

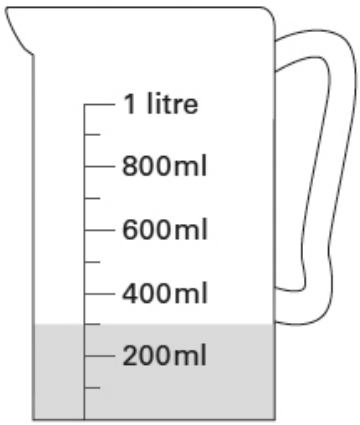
What do these abbreviations stand for?

ml	kg	am	cm	km
l	pm	g	m	mm

How many...?

1. mins in an hour
2. mm in a cm
3. g in a kg
4. ml in a l
5. m in a km
6. cm in a m
7. secs in a min
8. hours in a day

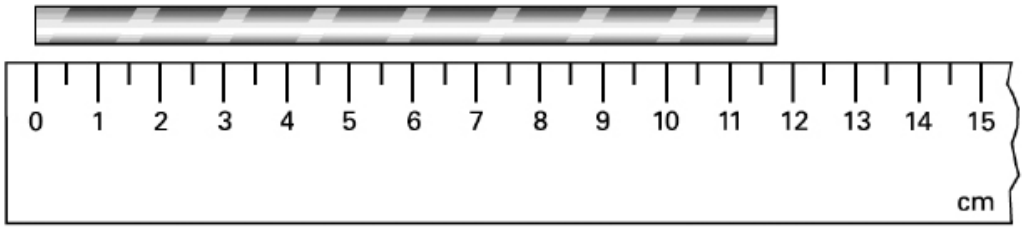
Vijay has a jug with some water in.



How many **more** millilitres must he add to make 1 litre?

ml

What is the length of the straw to the **nearest centimetre**?

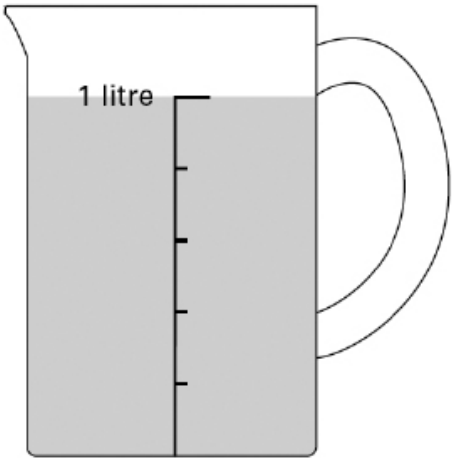


cm

This jug has 1 litre of water in it.

Lauren **pours out** 400 millilitres of water.

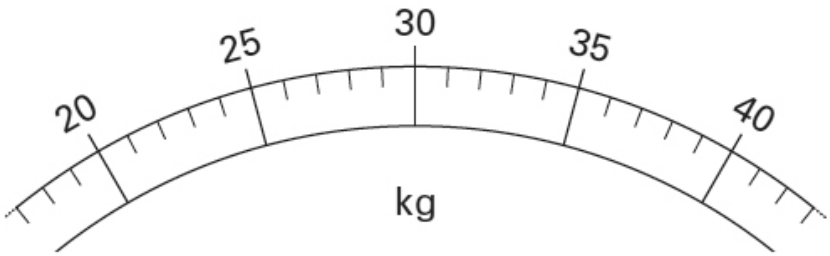
Draw an arrow (→) to show the new level of the water in the jug.



Vijay weighs 29 kilograms.

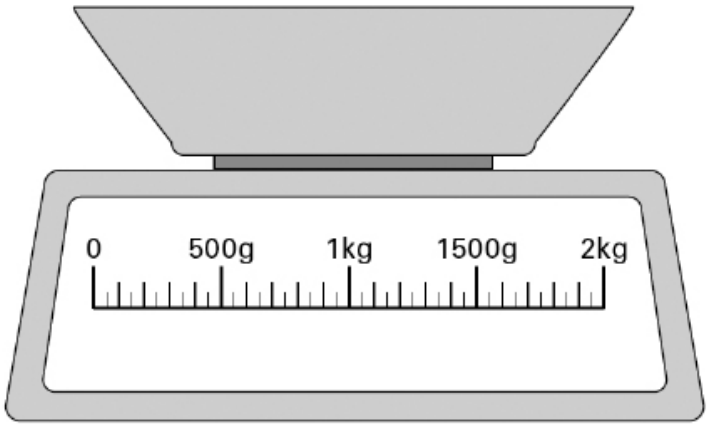
Sarah weighs 8 kilograms **more** than Vijay.

Draw an arrow (↑) on the scale to show how much **Sarah** weighs.

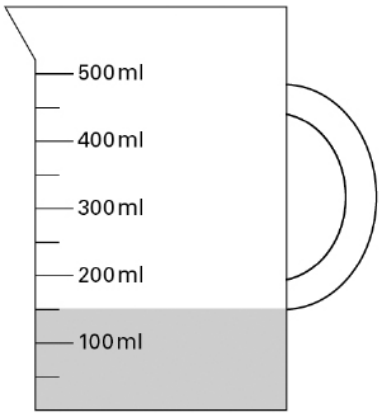


Luke needs 200 grams of flour.

Draw an arrow (↑) on the scale to show 200g.



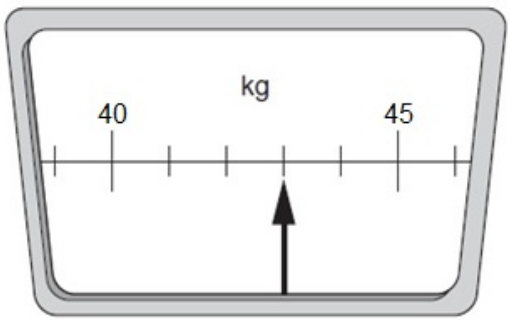
Here is a jug with some water in it.



How many **more** millilitres of water must be added so that there are **500 ml** in the jug?

ml

This scale shows how much Charlie weighs.



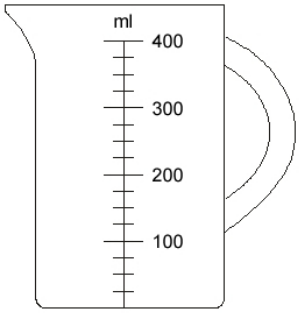
How much does Charlie weigh?

kg

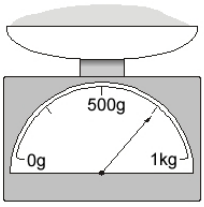
Raj is making a cake.

He pours 275ml of milk into a jug.

(a) Draw a line on the jug to show the level of milk.



(b) The scales below show how much flour he uses.



How much flour does Raj use?

g

(c) Raj put the cake in the oven at 4:00pm.

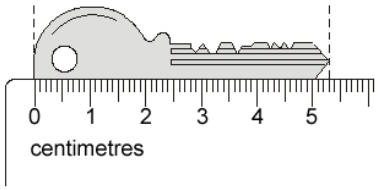
He took the cake out of the oven after $1\frac{1}{2}$ hours.

At what time did he take the cake out of the oven?

pm

The diagrams in this question are not drawn accurately.

(a) The diagram shows Jo's key.

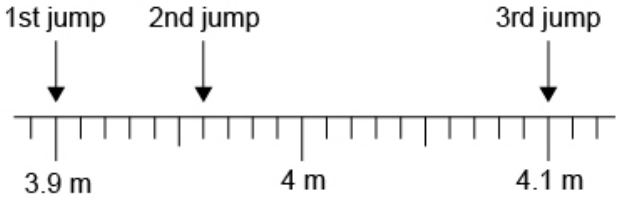


Use the scale to find the length of Jo's key.

cm

Peter took part in a long jump competition.
He had three jumps.

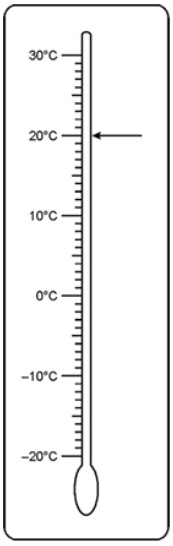
The arrows on the scale show how far he jumped each time.



(a) How far did Peter jump on his **2nd** jump?

m

The arrow by this thermometer shows a temperature of **20°C**



(a) Draw an arrow by the thermometer to show a temperature of **−8°C**

(b) The temperature was **−10°C**

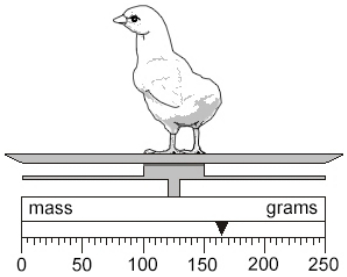
It **went up** by **15°C**

What is the new temperature?

°C

(a) Look at the scales.

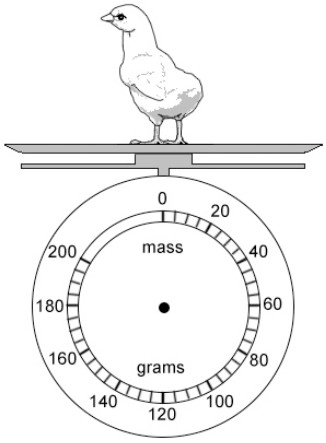
What is the mass of the chick?



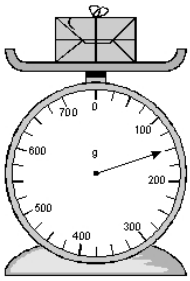
grams

The diagram below shows the **same chick** on different scales.

Draw an arrow to show the mass of the chick.



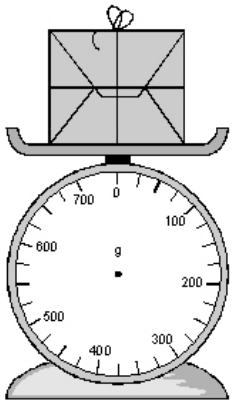
(a) What is the mass of this parcel?

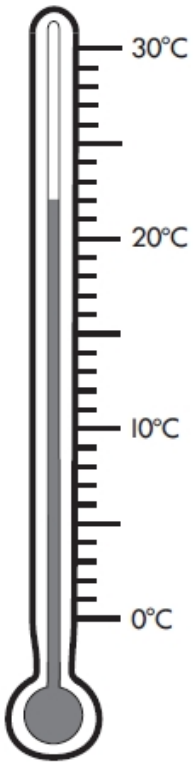


g

(b) A different parcel has a mass of **575g**.

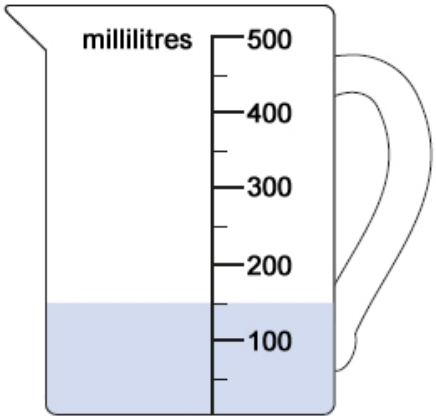
Show this on the scale by drawing an arrow.





What temperature is shown?

°C

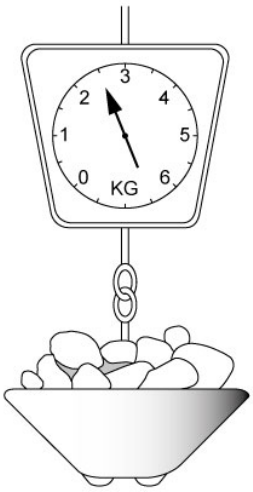


Kemi needs **450** millilitres of water.

How much **more** water does she needs to put in the jug?

millilitres

How much do the potatoes weigh?

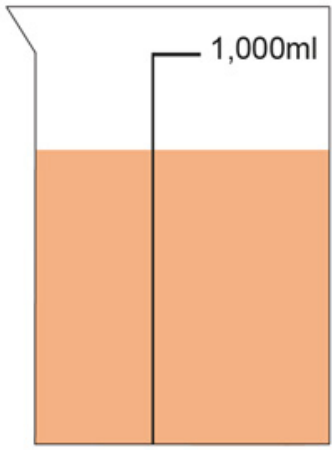


.....kg

.....g

How heavy is the parcel?

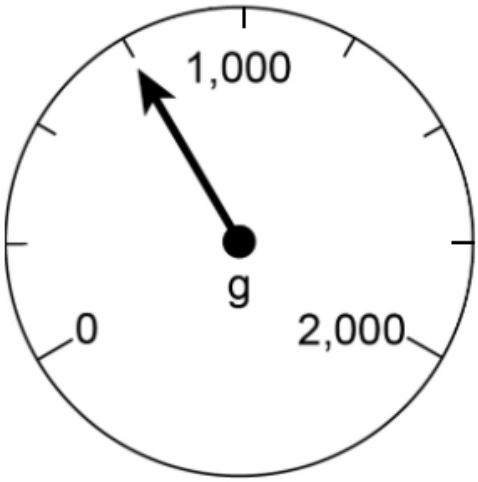
g



(a) **Estimate** how much liquid is in the beaker.

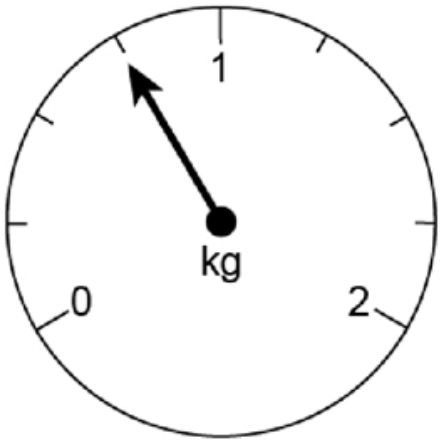
ml

Estimate and mark the position of **600g** on this scale.



What is the reading on the scale?

g

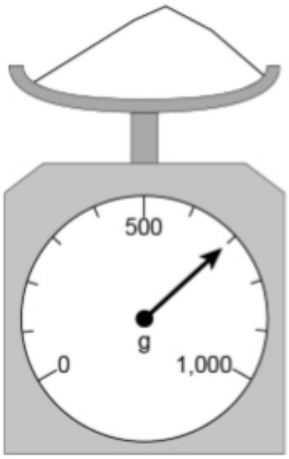


What is the reading on these scales, **in kilograms**?

kg

I need $1\frac{1}{4}$**kg** of flour for a recipe.

I pour some flour into the weighing scales.



How much more flour do I need for the recipe?