Converting Measures

Choose the unit of measure that would be the most appropriate to measure the items.

cm   kg   km   g   tonnes   ml   mm   litres

- The weight of an elephant
- The volume of water in a bath
- The length of an ant
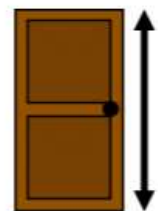- The length of a football pitch
- The weight of an apple

Estimate how much juice the glass holds:

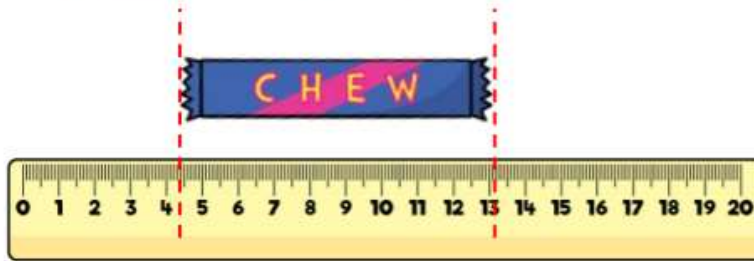250 ml   2 litres   0.5 litres $\frac{1}{2}$ kg

Estimate the height of the door frame:

20 mm   20 cm   20 m   2 km   2 m   0.2 km

Teddy thinks his chew bar is 13.2 cm long.

Do you agree? Explain why.

Ron's dog is about $\frac{1}{4}$ of the height of the door.

Ron is three times the height of his dog.

Estimate the height of Ron and his dog.

Here is a train timetable showing the times of trains travelling from Halifax to Leeds.

Halifax	Leeds
07:33	08:09
07:49	08:37
07:52	08:51

An announcement states all trains will arrive $\frac{3}{4}$ of an hour late.

Which train will arrive in Leeds closest to 09:07?

Put these capacities in order, starting with the smallest.

3 litres	3,500 ml
0.4 litres	0.035 litres
450 ml	330 ml

A shop sells one-litre bottles of water for 99p each.
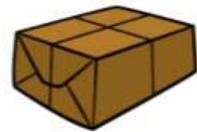
300 ml bottles of water are on offer at 8 bottles for £2

Whitney wants to buy 12 litres of water.
Find the cheapest way she can do this.

A tube of toothpaste holds 75 ml.

How many tubes can be filled using 3 litres of toothpaste?

A parcel weighs 439 grams. How much would 27 parcels weigh? Give your answer in kilograms.

To bake buns for a party, Ron used these ingredients:

600 g caster sugar
0.6 kg butter
18 eggs (792 g)
$\frac{3}{4}$ kg self-raising flour
10 g baking powder

What is the total mass of the ingredients?
Give your answer in kilograms.

Jack, Alex and Amir jumped a total of 12.69 m in a long jump competition.

Alex jumped exactly 200 cm further than Jack.

Amir jumped exactly 2,000 mm further than Alex.

What distance did they all jump?

Give your answers in metres.

Dora made a stack of her magazines.
Each magazine on the pile is 2.5 mm thick.
The total height of the stack is 11.5 cm high.
How many magazines does she have in her pile?

Each nail weighs 3.85 grams.

There are 24 nails in a packet.

What would be the total mass of 60 packets of nails? Give your answer in kilograms.

How many packets would you need if you wanted $\frac{1}{2}$ kg of nails?

How many grams of nails would be left over?