

Metric measures



1 Sort the metric units into the correct categories.

ml

mm

g

kg

tonne

l

km

Mass	Length	Capacity

2 Match the measure to its definition.

length

how much an object weighs

volume

the amount of space enclosed by a container

mass

how much of a solid, liquid or gas an object can hold

capacity

the measurement of something from end to end

3 Circle the most appropriate unit for each item.

a) the mass of an elephant

g kg l tonnes

b) the length of a classroom

cl cm m km

c) the capacity of a water bottle

cm³ m³ ml l

d) the length of a fly

mm cm m mg

4 Circle the best estimate for each item.

a) the capacity of a glass

2 ml 20 ml 200 ml 2,000 ml

b) the length of a rounders bat

50 mm 50 cm 50 m 50 km

c) the mass of a car

1.5 g 1.5 kg 1.5 tonnes 15 kg

d) the length of a football pitch

100 cm 100 m 100 km 100 mm

5 Estimate the length of your classroom. Give units with your answer.

Compare answers with a partner.



6



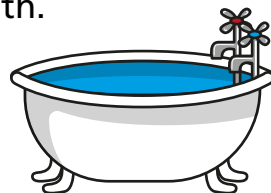
It's impossible to measure the school field using centimetres!

Do you agree with Mo? _____

Explain your thinking.

7

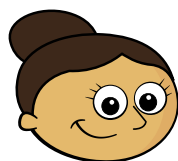
Estimate how much water it would take to fill a bath.



Explain your estimate to a partner.

8

Dora and Ron are estimating the capacity of a jug.



The capacity of a jug is approximately 1 litre.

The capacity of a jug is approximately 600 ml.

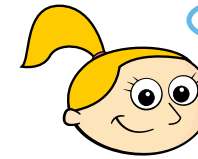


They could both be correct.

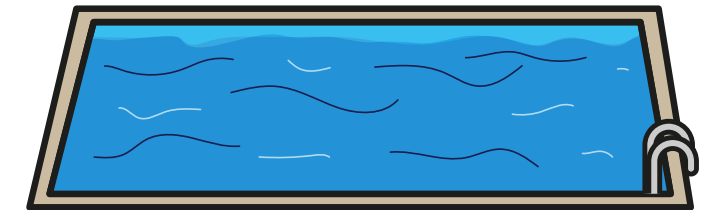
Talk about why with a partner.

9

Eva is thinking about how to estimate the capacity of a swimming pool.

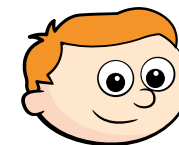


I know that a metal can holds roughly 200 ml of liquid. So to find out the capacity of a swimming pool, I could just imagine how many cans could fit into it!



Create your own way of estimating the capacity of a swimming pool.

10



I wonder how heavy our school is.

Write a plan to estimate the mass of your school.
