

Metric Unit of Measurement

Read carefully each question and answer it correctly based on metric unit conversion.

1. Complete this table by writing a sensible metric unit for each measurement.

	Metric unit
The height of a door	
The weight of a mouse	
The volume of water in a kettle	

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2. Write down a sensible **metric** unit for each measurement.

(a) The weight of a woman.

.....

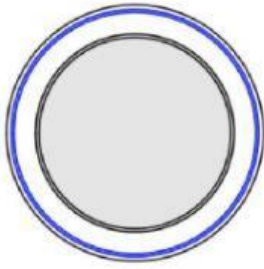
(b) The height of a school.

.....

(c) The distance between two cities.

.....

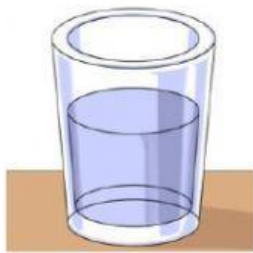
3. Which metric unit would you use to measure the following?



- (a) The diameter of a plate.



- (b) The weight of an airplane



- (c) The amount of water in a glass

4.

- (a) Convert 3 metres into centimetres.

.....cm

- (b) Convert 8 kilometres into metres.

.....m

- (c) Convert 350 centimetres into metres.

.....m

- (d) Convert 200 millimetres into centimetres.

.....cm

5.

- (a) Convert 400 cm into metres.

.....m

- (b) Write these measurements in order of size, smallest first.

400 cm 2 m 0.003 km

.....

6. James runs 400m every day.

Work out how far James runs in one week.
Give your answer in kilometres.

.....km

7. Kelly has two dogs, Pixie and Fifi.

Pixie weighs 8.5 kilograms
Fifi is 720 grams lighter than Pixie.

Work out how much Fifi weighs.
State your units.

.....

8. A bucket weighs 800g
When half filled with water, the bucket weighs 4.5kg.

Work out the weight when the bucket is filled with water.

.....kg

9. Complete these sentences with the correct metric unit.

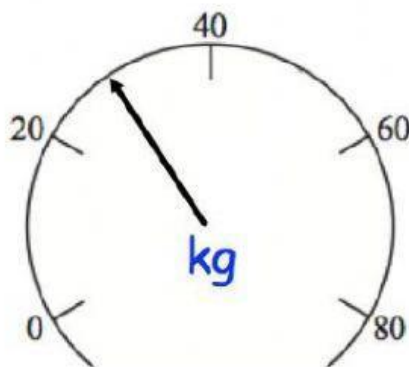
(a) The distance between two towns is about 9

(b) The capacity of a small glass is about 250

(c) The weight of an apple is about 120

(d) The capacity of a bottle of fizzy drink is 2

10. A girl stands on a set of scales.



(a) What is the girl's weight?

.....kg

(b) Convert your answer into grams.

.....g

11. A pencil is 8.5 centimetres long.

(a) Change 8.5 centimetres to millimetres.

.....mm

There are 350 millilitres of juice in a jug

(b) Change 350 millilitres to litres.

.....litres

12. The weight of a 2p coin is 7g.

Find the weight of £6 worth of 2p coins.
Give your answer in kilograms.

.....kilograms

13. Which metric unit would you use to measure the following?

(a) The length of a book

.....

(b) The area of a rugby pitch

.....

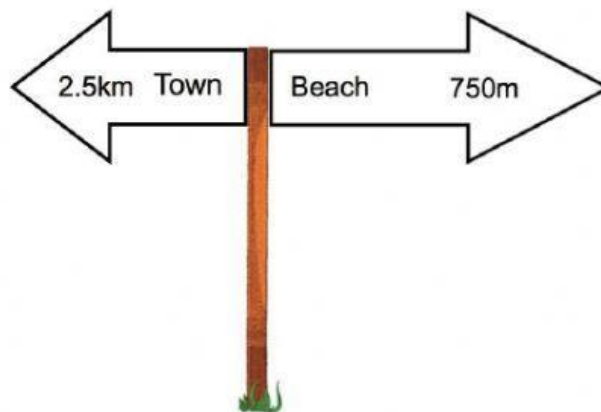
(c) The capacity of a tea cup

.....

(d) The weight of a lorry

.....

14.



Work out the distance between the town and the beach.
State your units.

.....

15. Shown below is a rectangle.



- (a) Find the area of the rectangle.

.....m²

- (b) Convert your answer to centimetres squared.

.....cm²

-
15. Convert 0.4m³ into cm³

.....cm³

-
16. Convert 6.3 m² to cm²

.....cm²

17. Convert 14km/h into m/s.



.....m/s