

Name: _____

Exam Style Questions

Metric Units



Corbettmaths

Ensure you have: Pencil, pen, ruler, protractor, pair of compasses and eraser

You may use tracing paper if needed

Guidance

1. Read each question carefully before you begin answering it.
2. Don't spend too long on one question.
3. Attempt every question.
4. Check your answers seem right.
5. Always show your workings

Revision for this topic

www.corbettmaths.com/contents

Video 347

Video 349a, b, c



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

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

(3)

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

(a) The weight of a woman.

kilograms

(b) The height of a school.

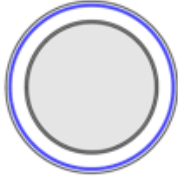
metres

(c) The distance between two cities.

kilometres

(3)

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



(a) The diameter of a plate.

centimetres



(b) The weight of an airplane

tonnes



(c) The amount of water in a glass

millilitres
(3)

4.

- (a) Convert 3 metres into centimetres.

300.....cm
(1)

- (b) Convert 8 kilometres into metres.

8000.....m
(1)

- (c) Convert 350 centimetres into metres.

3.5.....m
(1)

- (d) Convert 200 millimetres into centimetres.

20.....cm
(1)

5.

- (a) Convert 400 cm into metres.

4.....m
(1)

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

400 cm 2 m 0.003 km
4m 3m

2m, 0.003km, 400cm
(2)

6. James runs 400m every day.

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

$$7 \times 400 = 2800\text{m}$$

2.8 km
(2)

7. Kelly has two dogs, Pixie and Fifi.

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

$$8.5 - 0.72$$

Work out how much Fifi weighs.
State your units.

7.48 kg
(3)

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.

$$4.5 - 0.8 = 3.7\text{kg}$$

$$2 \times 3.7 = 7.4$$

$$7.4 + 0.8$$

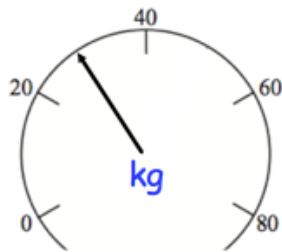
8.2 kg
(3)

9. Complete these sentences with the correct metric unit.

- (a) The distance between two towns is about 9 kilometres.....
- (b) The capacity of a small glass is about 250 millilitres.....
- (c) The weight of an apple is about 120 grams.....
- (d) The capacity of a bottle of fizzy drink is 2 Litres.....

(4)

10. A girl stands on a set of scales.



(a) What is the girl's weight?

30.....kg
(1)

(b) Convert your answer into grams.

30000.....g
(1)

11. A pencil is 8.5 centimetres long.

(a) Change 8.5 centimetres to millimetres.

.....85.....mm
(1)

There are 350 millilitres of juice in a jug

(b) Change 350 millilitres to litres.

.....0.35.....litres
(1)

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

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

$$600 \div 2 = 300$$
$$300 \times 7g = 2100g$$

.....2.1.....kilograms
(4)

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

(a) The length of a book

centimetres

(b) The area of a rugby pitch

m²

(c) The capacity of a tea cup

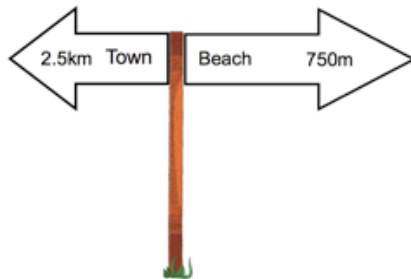
millilitres

(d) The weight of a lorry

tonnes

(4)

14.



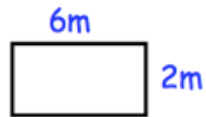
Work out the distance between the town and the beach.
State your units.

$$2.5\text{km} + 0.75\text{km}$$

3.25 km

(3)

15. Shown below is a rectangle.



(a) Find the area of the rectangle.

$$6 \times 2$$

$$\dots\dots\dots 12 \text{ m}^2$$

(1)

(b) Convert your answer to centimetres squared.

$$600 \times 200$$

$$\dots\dots\dots 120000 \text{ cm}^2$$

(1)

15. Convert 0.4 m^3 into cm^3

$$\times 1000000$$

$$\dots\dots\dots 400000 \text{ cm}^3$$

(2)

16. Convert 6.3 m^2 to cm^2

$$\times 10000$$

$$\dots\dots\dots 63000 \text{ cm}^2$$

(2)

17. Convert 20km/h into m/s.



$$\begin{aligned} & \times 1000 \\ & 20000 \text{ m/h} \\ & \div 60 \\ & 333.\dot{3} \text{ m/min} \\ & \div 60 \\ & 5.\dot{5} \text{ m/s} \end{aligned}$$

$$\begin{aligned} & \dots\dots\dots 5.\dot{5} \text{ m/s} \\ & \text{or} \\ & 5.55\bar{6} \end{aligned}$$