

Name:

Exam Style Questions

Metric Units



Equipment needed: Ruler, Pencil, Calculator and Pen

Guidance

1. Read each question carefully before you begin answering it.
2. Check your answers seem right.
3. Always show your workings

Video Tutorial

www.corbettmaths.com/contents

Videos 349a, 349b, 349c



Answers and Video Solutions



1. (a) Draw a 9.5 centimetre line below.



(1)

(b) Change 9.5 centimetres into millimetres.

.....mm
(1)

2. Change 6 kilometres into metres.



.....m
(1)

3. Change 400 centimetres into metres.



.....m
(1)

4. Change 7.5 metres into centimetres.



.....cm
(1)

5. How many millimetres are there in 9.4 centimetres?



.....
(1)

6. (a) Convert 3 metres into centimetres.



.....cm
(1)

(b) Convert 8 kilometres into metres.

.....m
(1)

(c) Convert 350 centimetres into metres.

.....m
(1)

(d) Convert 200 millimetres into centimetres.

.....cm
(1)

7. What is 6200 millimetres in centimetres?

Circle your answer.



0.62 cm 6.2 cm 62 cm 620 cm

(1)

8. (a) Convert 400 cm into metres.



.....m
(1)

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

400 cm 2 m 0.003 km

.....
(2)

9. Change 50 centimetres into millimetres.



.....mm
(1)

10. Write 1.2 litres into millilitres.



.....ml
(1)

11. Change 75000 grams into kilograms.



.....kg
(1)

12. Change $8\frac{1}{4}$ kg into grams.



.....g
(1)

13. Put the correct symbol in each box below.



= < >

2.8 litres 2800ml

900g 0.8kg

3090mm 3.1m

(3)

14. Change $1\frac{3}{4}$ km into centimetres.



.....cm
(2)

15. Add together 4mm and 9cm.
Circle your answer.



13cm 9.4cm 4.9mm 94cm

(1)

16. Circle the heaviest mass.



5900 kg 600000g 0.7 tonnes

(1)

17. Circle the longest length.



0.22 km 215 m 2050000 mm 30000 cm

(1)

18. Change 2451 ml into litres.



.....litres

(1)

19. Alejandro is 1.77m tall.



Alejandro is 9cm taller than Konnie.

How tall is Konnie?

.....
(2)

20. James runs 400m every day.



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

.....km
(2)

21. 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.

.....
(3)

22. A pencil is 8.5 centimetres long.



(a) Change 8.5 centimetres to millimetres.

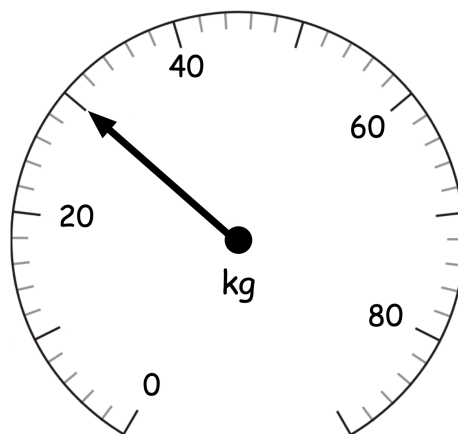
.....mm
(1)

There are 350 millilitres of juice in a jug

(b) Change 350 millilitres to litres.

.....litres
(1)

23. A dog stands on a set of scales.



(a) What is the dog's weight?

.....kg
(1)

(b) Convert your answer into grams.

.....g
(1)

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



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

.....kg
(3)

25. The mass of a 2p coin is 7g.
Find the mass of £6 worth of 2p coins.
Give your answer in kilograms.



.....kilograms
(4)

26. A small can of lemonade holds 150ml.
A large bottle holds 3 litres of lemonade.



How many times larger is the bottle than the can?

.....
(2)

27. Write 450 ml as a fraction of 6 litres.



Give your answer in its simplest form.

.....
(2)

28. On Monday, Erik runs 1.8km



On Tuesday, Erik runs 900m

On Wednesday, Erik runs 6 laps of a running track.
Each lap is 400m

Work out how far Erik ran in total.
Give your answer in kilometres.

.....km
(3)

29. A tub contains 2.5kg of rice.



850g of rice is poured out of the tub.

How much rice is left in the tub?
Include suitable units.

.....
(3)

30. Lexi has 10 metres of string.

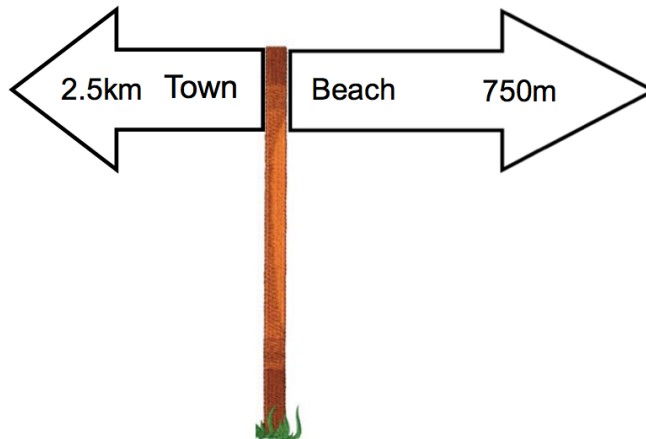


She cuts the string into 6 pieces.
5 pieces of string each have a length of 70mm.

Work out the length of the last piece of string.
Include suitable units.

.....
(3)

31.



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

.....
(3)

32. A coffee shop sells coffee in three different sizes: small, medium and large.



A small coffee is 250ml.

A medium coffee is 475ml.

A large coffee is 600ml.

A group of friends buy 3 small coffees, 4 large coffees and some medium coffees.

Altogether 8.85 litres of coffee is sold to the group.

How many medium coffees are bought?

.....
(3)

33. Mr Hicks has 4 metal blocks.



The mass of the first three blocks are 200g, 850g and 1.4kg.

The mean mass of all 4 blocks is 2kg.

Find the mass of the fourth block.

.....
(3)

34. The mass of a Chihuahua is 800g



The mass of a German Shepherd is 36kg

Find the ratio

mass of the Chihuahua : mass of the German Shepherd.

Give your answer in its simplest form.

.....
(3)

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

.....m/s
(3)