

# GCSE Maths: Units of measure, time and money (Higher): worksheet

GCSE Maths - Number Basics - Higher - Lesson 1.8

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

18 questions. Write your answers in the spaces. Answers and step-by-step help are free at [websink.site/gcse/maths/ch01-number-basics/higher/units-of-measure-time-and-money/](https://websink.site/gcse/maths/ch01-number-basics/higher/units-of-measure-time-and-money/)

## Exercise 1J Units, time and money Non-calculator

### 1 Change these lengths.

(a) 3.5 m to cm

Answer: \_\_\_\_\_

(b) 450 cm to m

Answer: \_\_\_\_\_

(c) 2.4 km to m

Answer: \_\_\_\_\_

(d) 7500 m to km

Answer: \_\_\_\_\_

(e) 85 mm to cm

Answer: \_\_\_\_\_

(f) 0.6 m to mm

Answer: \_\_\_\_\_

### 2 Change these masses and capacities.

(a) 2.5 kg to g

Answer: \_\_\_\_\_

(b) 3400 g to kg

Answer: \_\_\_\_\_

(c) 0.75 litres to ml

Answer: \_\_\_\_\_

(d) 2500 ml to litres

Answer: \_\_\_\_\_

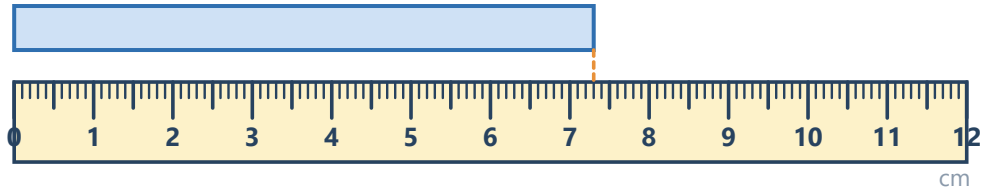
(e) 4.2 tonnes to kg

Answer: \_\_\_\_\_

(f) 650 g to kg

Answer: \_\_\_\_\_

### 3 The ruler shows the length of a pencil.



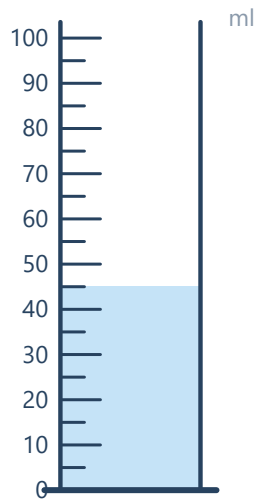
(a) Write down the length of the pencil in millimetres.

Answer: .....

(b) Write the length in centimetres.

Answer: .....

4 The diagram shows the liquid in a measuring cylinder.



(a) Work out the value of each small division on the scale.

Answer: .....

(b) Write down the volume of liquid in the cylinder.

Answer: .....

5 Write each time using the 24-hour clock.

(a) 7:05 pm

Answer: .....

(b) 12:30 am

Answer: .....

(c) 9:45 am

Answer: .....

(d) 11:20 pm

Answer: .....

6 Write each time using the 12-hour clock, with am or pm.

(a) 15:40

Answer: .....

(b) 00:10

Answer: .....

(c) 12:25

Answer:

(d) 21:05

Answer:

**7 Work out how long each journey takes.**

(a) Leaves 09:45, arrives 13:20

Answer:

(b) Leaves 10:00, arrives 12:35

Answer:

(c) Leaves 14:50, arrives 17:15

Answer:

(d) Leaves 06:35, arrives 11:10

Answer:

**8 Work out the finishing time of each activity.**

(a) Starts 08:50 and lasts 2 hours 25 minutes

Answer:

(b) Starts 14:35 and lasts 1 hour 50 minutes

Answer:

(c) Starts 22:50 and lasts 2 hours 25 minutes

Answer:

**9 At a café, tea costs £1.85, a sandwich costs £3.60 and a cake costs £2.45.**

(a) Work out the total cost of one tea, one sandwich and one cake.

Answer:

(b) Maya pays with a £10 note. Work out her change.

Answer:

**10 A recipe uses 750 g of flour. Ali has 2.4 kg of flour. How many whole batches can he make?**

Answer:

**11 A bus leaves at 14:25. The journey takes 1 hour 50 minutes. Jo has a meeting that starts at 16:30. Does she arrive before the meeting starts?**

Answer:

**12 Change these times into hours and minutes, or minutes into hours.**

(a) 2.25 hours

Answer:

(b) 3.5 hours

Answer:

(c) 0.2 hours

Answer:

(d) 45 minutes into hours

Answer:

**13** Which is longer, 0.9 km or 950 m? Show how you decide.

Answer:

**14** Mia says that 2.3 hours is 2 hours 30 minutes. Is she correct? Show your working.

Answer:

**15** A cyclist rides 24 km in 1 hour 30 minutes. Work out her average speed in km/h.

Answer:

**16** A runner goes at 5 metres per second. Work out her speed in kilometres per hour.

Answer:

**17** Gravel costs £42 per tonne. Work out the cost of 250 kg of gravel.

Answer:

**18** Show that a speed of 36 km/h is the same as 10 m/s.

Answer: