

Converting Metric Units

ANSWERS

1

Convert 3.5 m into cm.

m	1	$\times 3.5$	3.5
cm	100	$\rightarrow$	350

Start with the fact. Multiply both rows.

$$3.5 \times 100 = 350$$

Answer 350 cm

2

Convert 4.2 kg into g.

kg	1	$\times 4.2$	4.2
g	1000	$\rightarrow$	4200

$$4.2 \times 1000 = 4200$$

Answer 4200 g

3

Convert 2.5 km into m.

km	1	$\times 2.5$	2.5
m	1000	$\rightarrow$	2500

$$2.5 \times 1000 = 2500$$

Answer 2500 m

4

Convert 7.5 cm into mm.

cm	1	$\times 7.5$	7.5
mm	10	$\rightarrow$	75

$$7.5 \times 10 = 75$$

Answer 75 mm

5

Notice the change!

Convert 450 cm into m.

m	1	$\times 4.5$	4.5
cm	100	$\rightarrow$	450

$$450 \div 100 = 4.5$$

Answer 4.5 m

6

Convert 2300 g into kg.

kg	1	$\times 2.3$	2.3
g	1000	$\rightarrow$	2300

$$2300 \div 1000 = 2.3$$

Answer 2.3 kg

7

A ribbon is 2.4 m long. A piece 85 cm long is cut off. How many centimetres are left?

$$240 - 85$$

Answer 155 cm

8

Which is heavier, 0.45 kg or 480 g? Show how you know.

$$0.45 \text{ kg} = 450 \text{ g}$$

Answer 480 g

Converting Metric Units further practice

ANSWERS

9

Convert 3.06 kg into g.

$$3.06 \times 1000$$

Answer 3060 g

10

Write these lengths in order, shortest first.

1.2 km 950 m 1080 m

$$1.2 \text{ km} = 1200 \text{ m}$$

Answer 950 m, 1080 m, 1.2 km

11

Fill in the boxes.

$$4.5 \text{ km} = 4500 \text{ m}$$

$$= 450\,000 \text{ cm}$$

$$\times 1000, \text{ then } \times 100$$

12

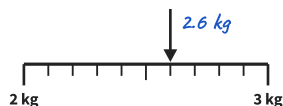
Zara runs 8 laps of a 400 m track. How far does she run in kilometres?

$$8 \times 400 = 3200 \text{ m}$$

Answer 3.2 km

13

A parcel is put on these scales. Write the reading in grams.

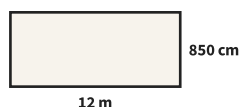


each small step is 100 g

Answer 2600 g

14

Find the perimeter of this vegetable patch in metres.



$$850 \text{ cm} = 8.5 \text{ m}$$

$$12 + 8.5 + 12 + 8.5$$

Answer 41 m

15

Each loaf of bread needs 350 g of flour. A baker has a 2 kg bag of flour. How many loaves can she make, and how much flour is left over?

$$2 \text{ kg} = 2000 \text{ g}, 5 \times 350 = 1750$$

Loaves 5

Left over 250 g

16

Rosa needs 2 m of string to fly a kite. She has three pieces: 85 cm, 0.6 m and 540 mm. If she ties them end to end, is that enough? Explain.

$$85 + 60 + 54 = 199 \text{ cm},$$

$$2 \text{ m} = 200 \text{ cm}$$

Answer No, 1 cm short