

Maths

Week 6 - Lesson 2

Can I convert units of length?

Fast Five - Answers on the next slide

How many grams in 2.345kg?

$$2/9 + 3/9 =$$

$$9436 - 234 =$$

$$4567 \times 3 =$$

How many weeks in a year?

Fast Five - Answers

How many grams in 2.345kg? **2 345g**

$$2/9 + 3/9 = 5/9$$

$$9\ 436 - 234 = 9\ 202$$

$$4\ 567 \times 3 = 13\ 701$$

How many weeks in a year? **52**

Multiplying by a 1000

Before we continue, I would like to remind you about multiplying by a 1000.

The digit will move 3 places to the right



1000s	100s	10s	1s	.	Tenths
			6		
6	0	0	0		

Dividing by a 1000

The numbers also move 3 spaces for dividing by a 1000.

The digit will move 3 places to the left this time



1000s	100s	10s	1s	.	Tenths
6	0	0	0		
			6		

What are the units of length?

These are metric units of length.

1 kilometre (km) = 1000 metres (m)

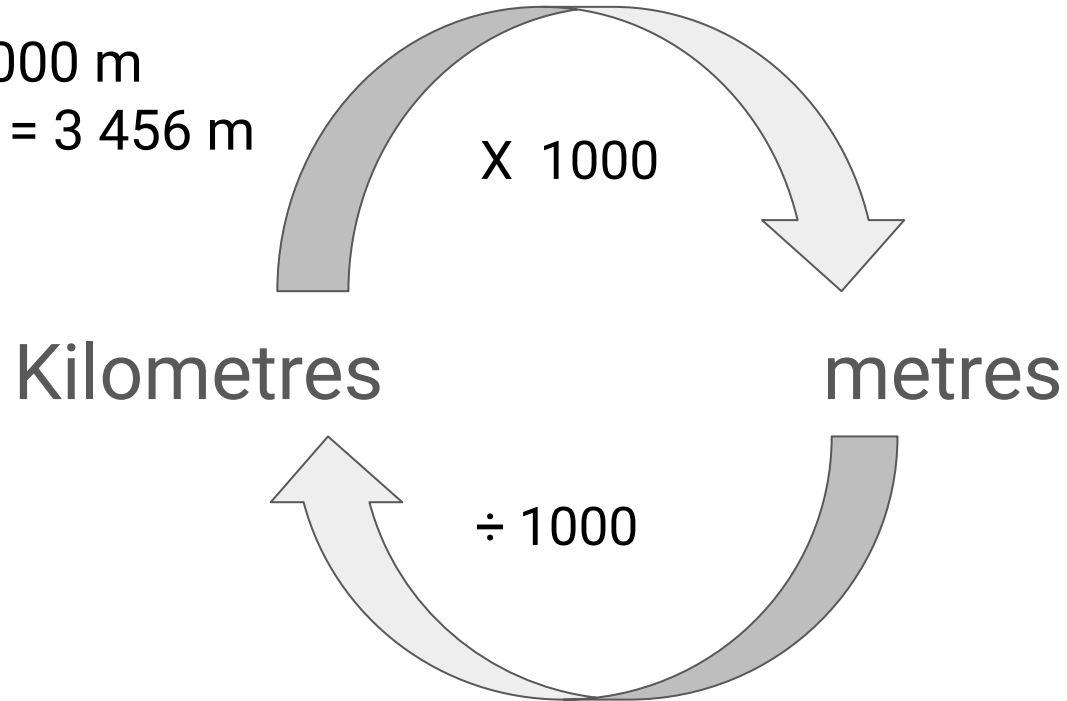
100 centimetres (cm) = 1 metre (m)

1 centimetre (cm) = 10 millimetres (mm)

Converting kilometres to metres

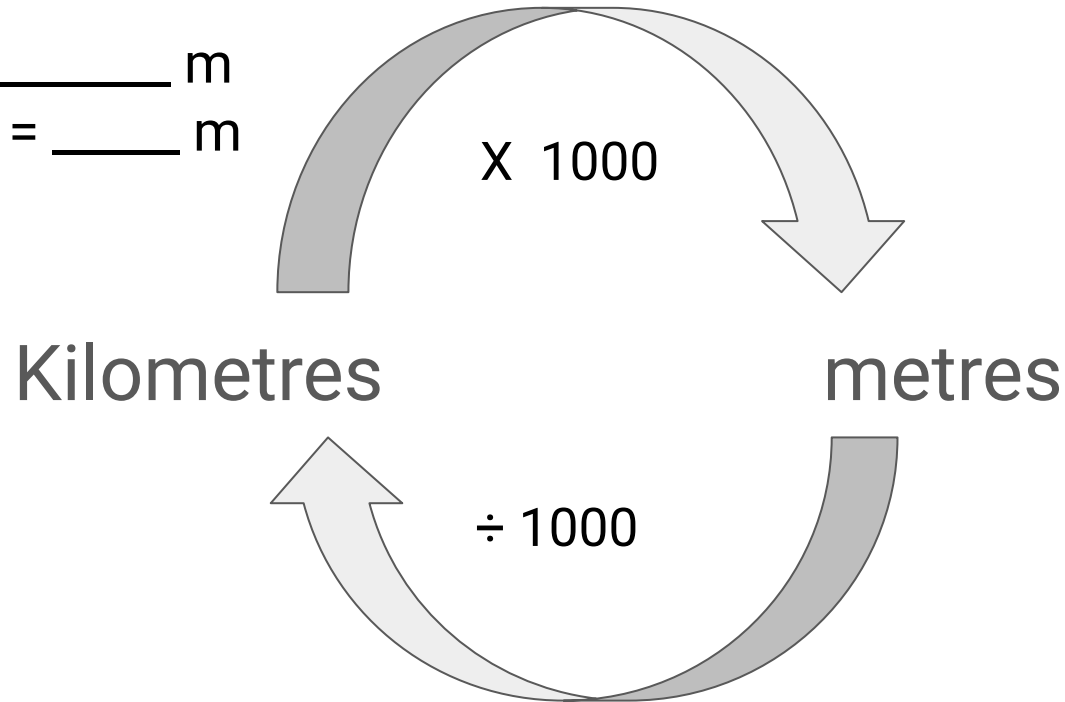
$$2 \text{ km} = 2000 \text{ m}$$

$$3.456 \text{ km} = 3\,456 \text{ m}$$



Converting kilometres to metres: You have a go

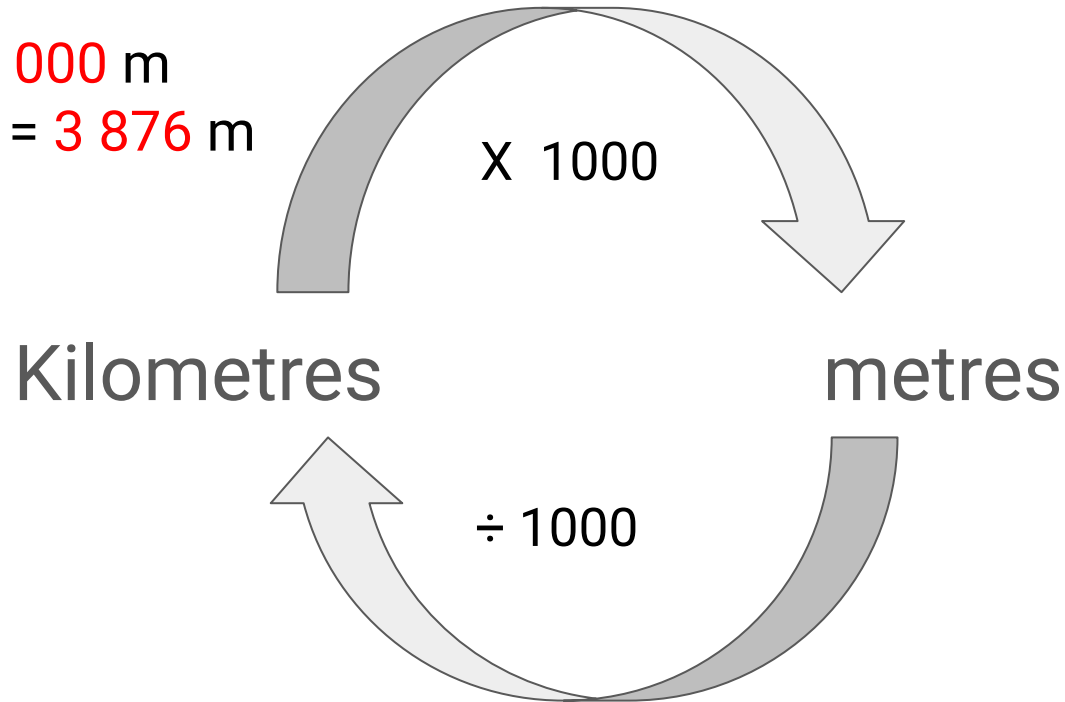
7 km = _____ m
3.876 km = _____ m



Converting kilometres to metres: **Answers**

$$7 \text{ km} = 7\,000 \text{ m}$$

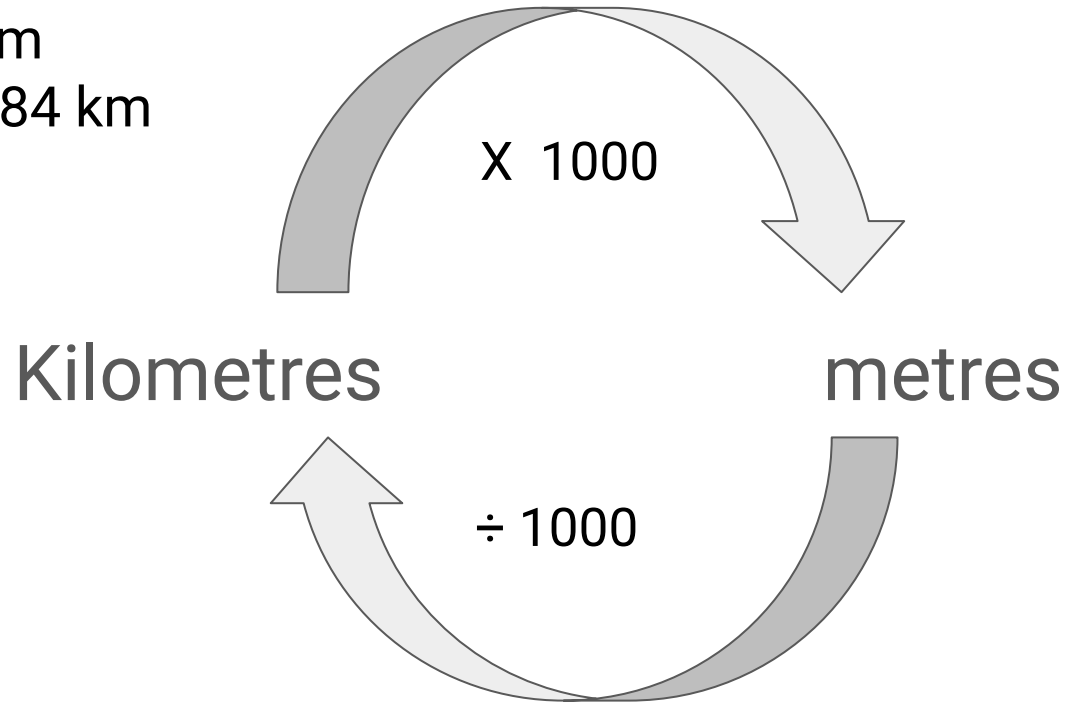
$$3.876 \text{ km} = 3\,876 \text{ m}$$



Converting metres to kilometres

$$4\ 000\ \text{m} = 4\ \text{km}$$

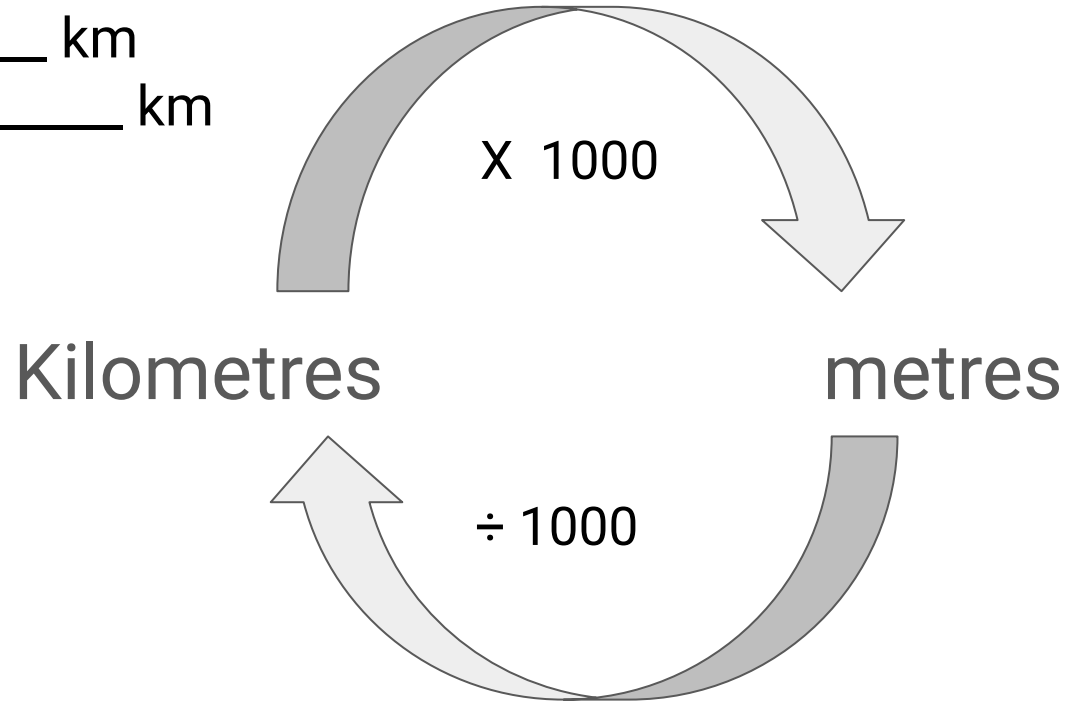
$$4\ 584\ \text{m} = 4.584\ \text{km}$$



Converting metres to kilometres: You have a go

$$9\ 000\ \text{m} = \underline{\quad\quad} \text{ km}$$

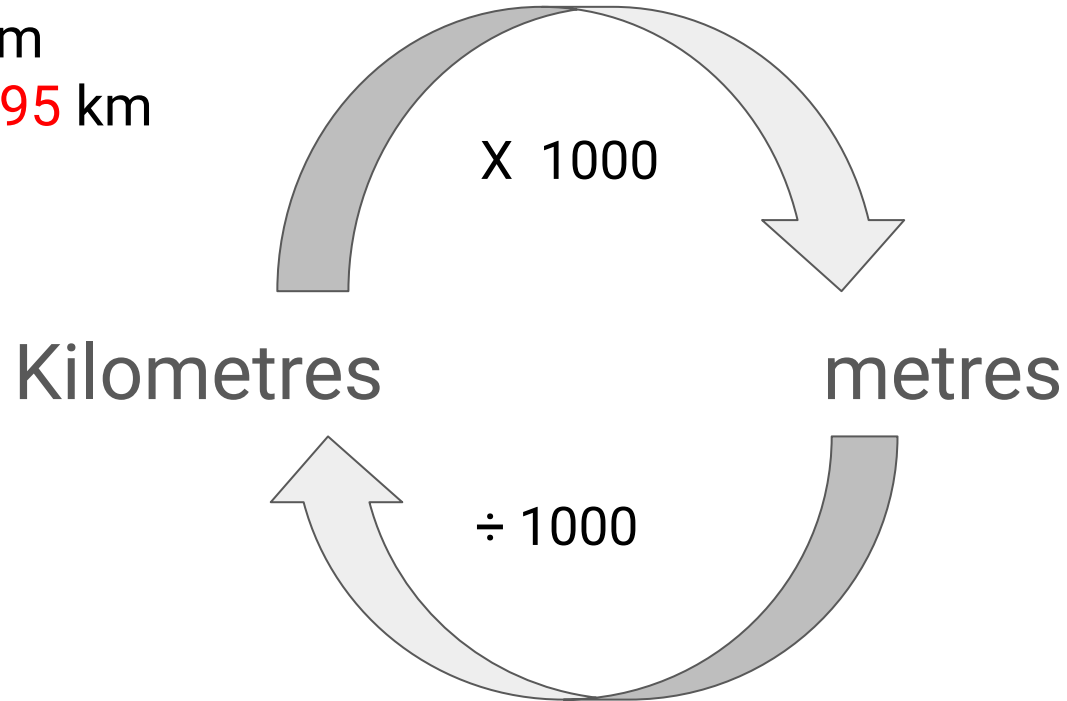
$$9\ 495\ \text{m} = \underline{\quad\quad\quad} \text{ km}$$



Converting metres to kilometres: **Answers**

$$9\ 000\ \text{m} = 9\ \text{km}$$

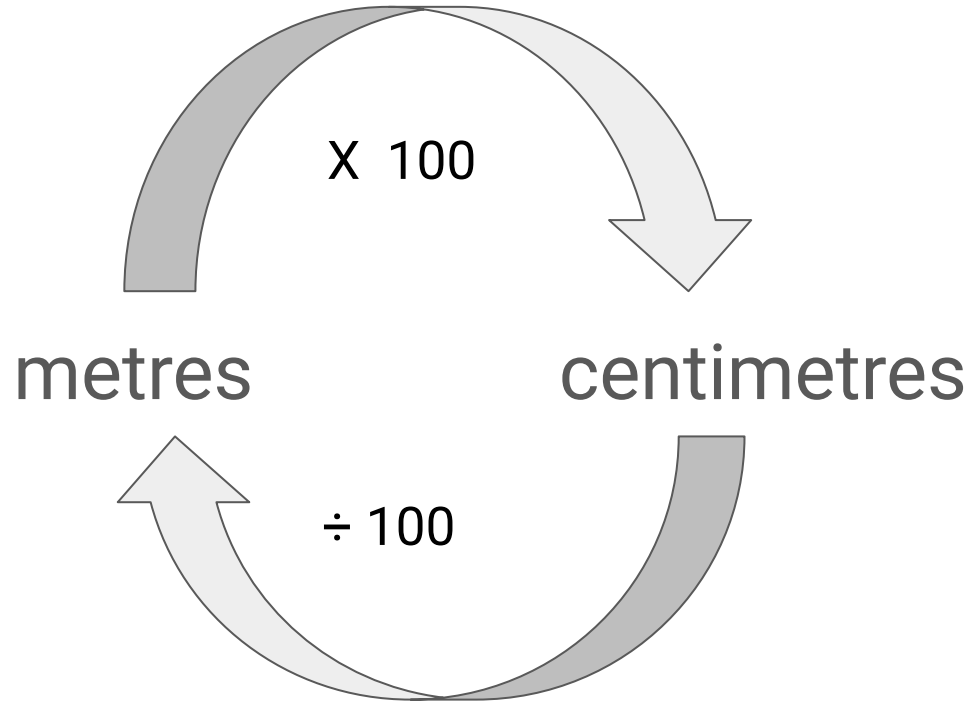
$$9\ 495\ \text{m} = 9.495\ \text{km}$$



Converting metres to centimetres

$$4 \text{ m} = 400 \text{ cm}$$

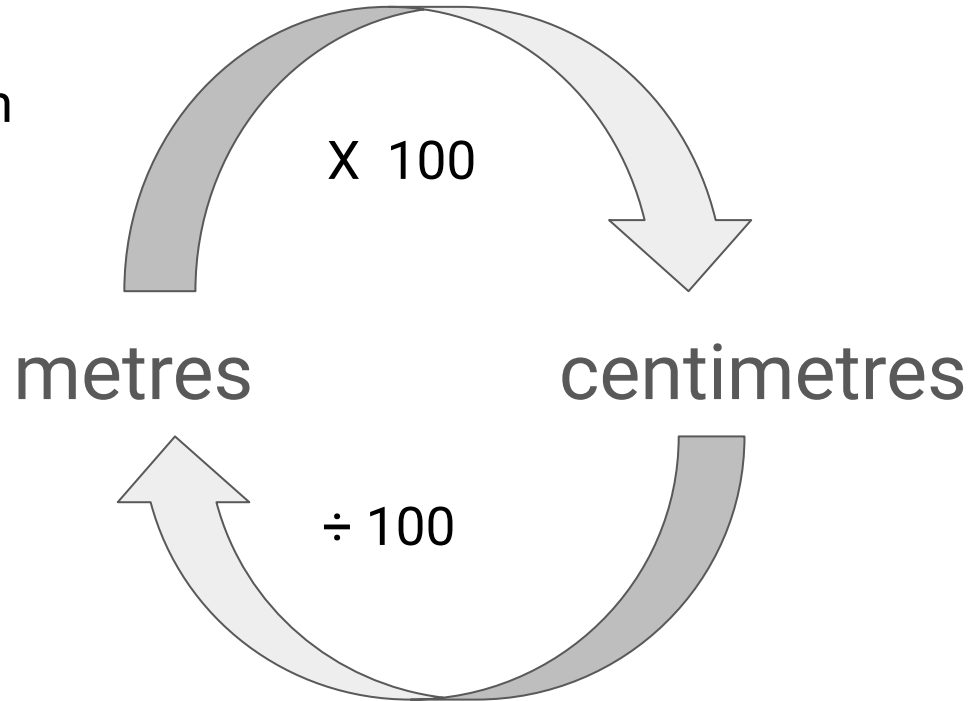
$$4.76 \text{ m} = 476 \text{ cm}$$



Converting metres to centimetres: You have a go

$$5 \text{ m} = \underline{\quad\quad} \text{ cm}$$

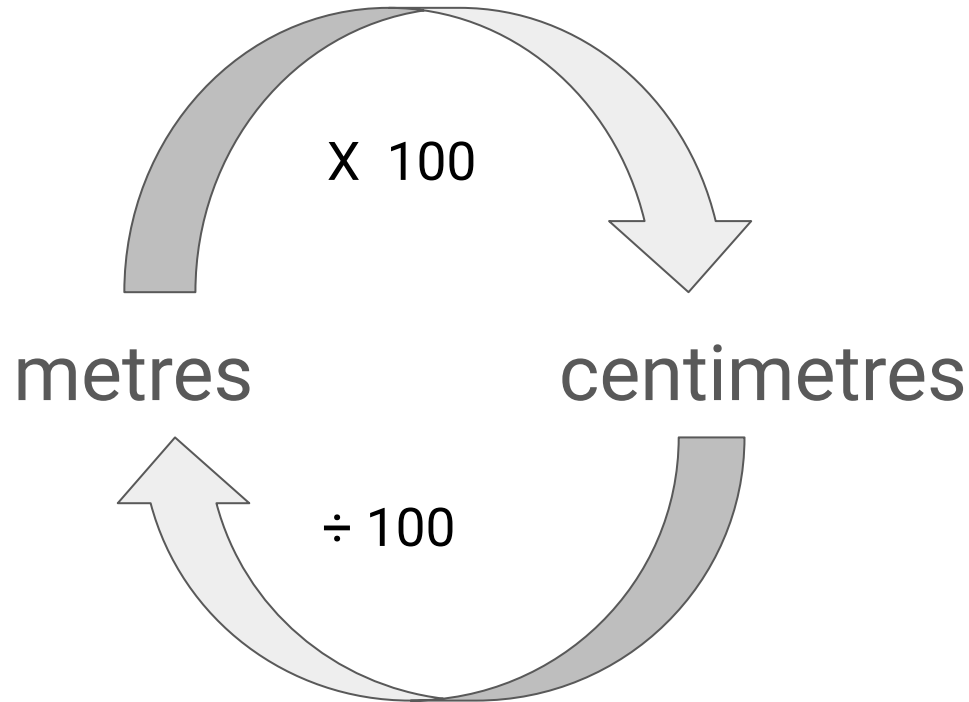
$$6.78 \text{ m} = \underline{\quad\quad} \text{ cm}$$



Converting metres to centimetres: **Answers**

$$5 \text{ m} = 500 \text{ cm}$$

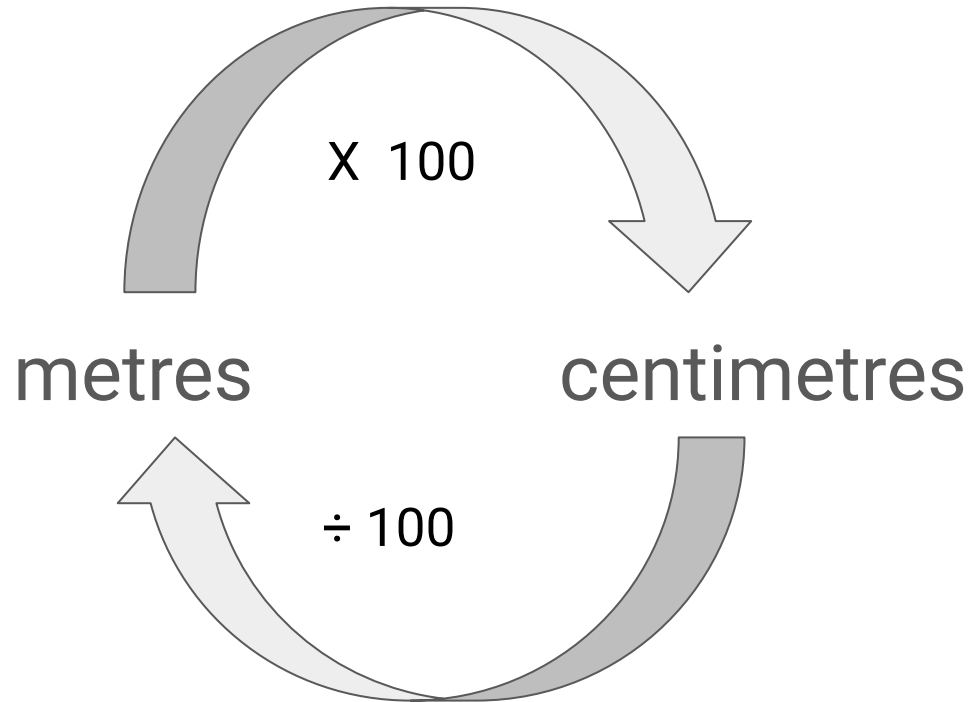
$$6.78 \text{ m} = 678 \text{ cm}$$



Converting centimetres to metres:

$$500 \text{ cm} = 5 \text{ m}$$

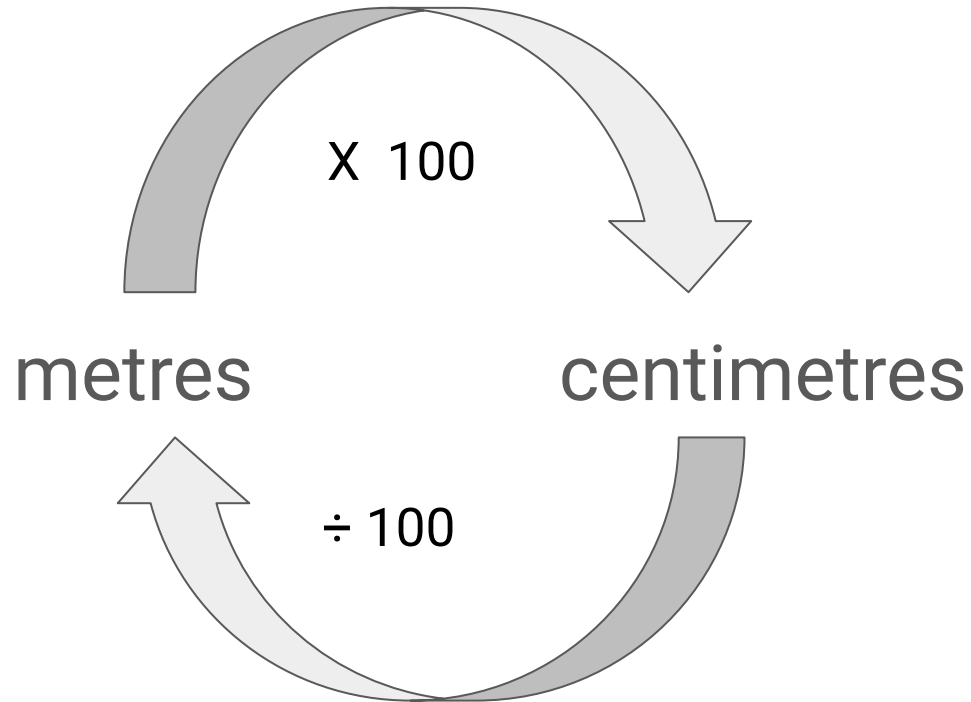
$$678 \text{ cm} = 6.78 \text{ m}$$



Converting centimetres to metres: You have a go

600 cm = ____ m

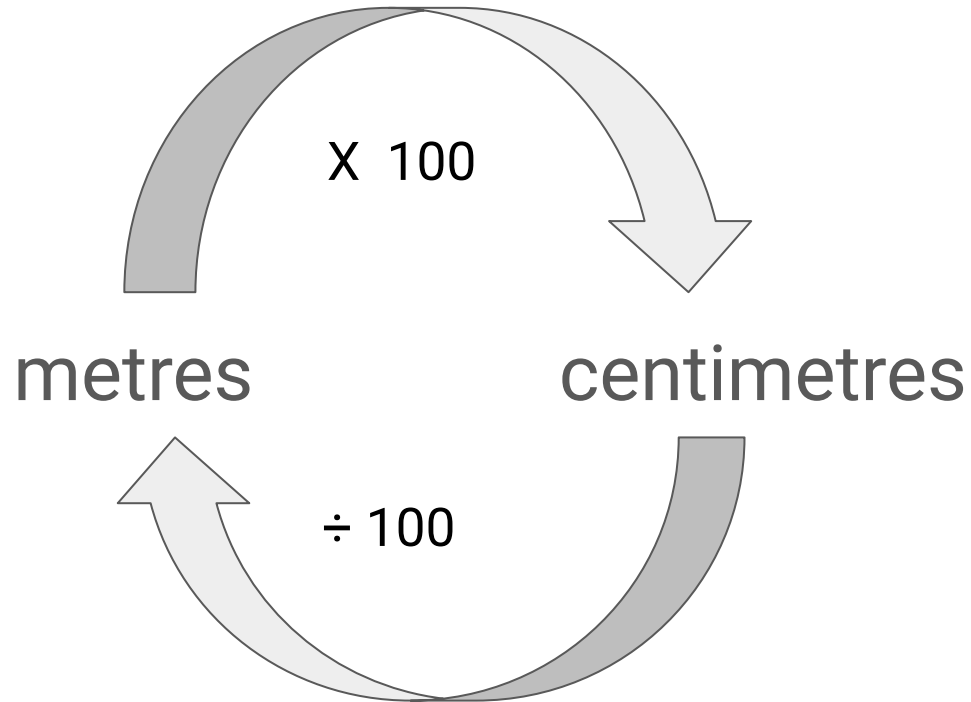
847 cm = ____ m



Converting centimetres to metres: **Answers**

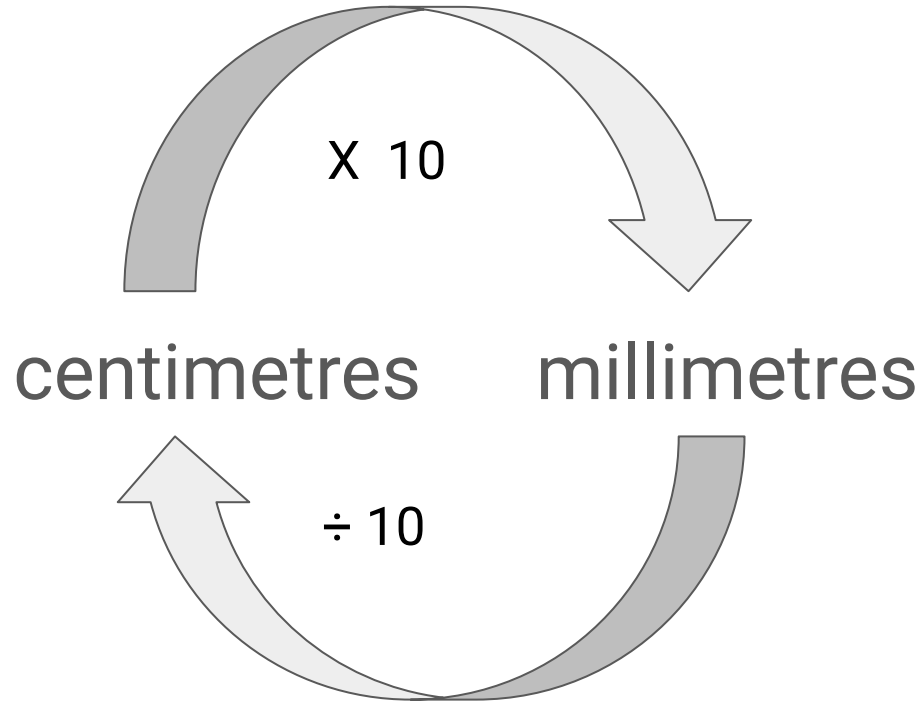
$$600 \text{ cm} = 6 \text{ m}$$

$$847 \text{ cm} = 8.47 \text{ m}$$



Converting centimetres to millimetres

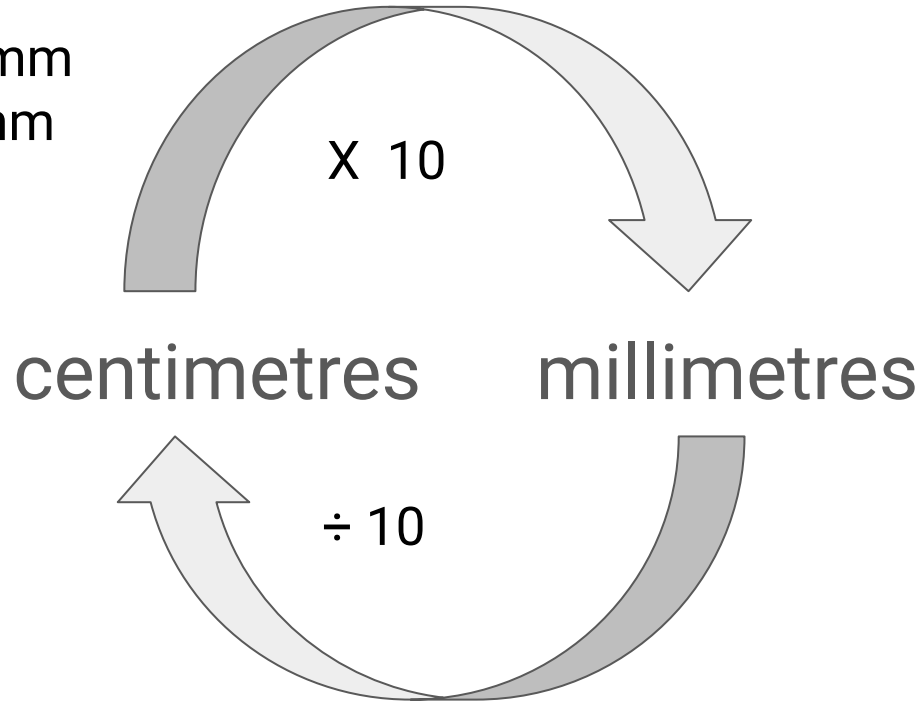
5 cm = 50 mm
12 cm = 120 mm



Converting centimetres to millimetres: You have a go

3 cm = _____ mm

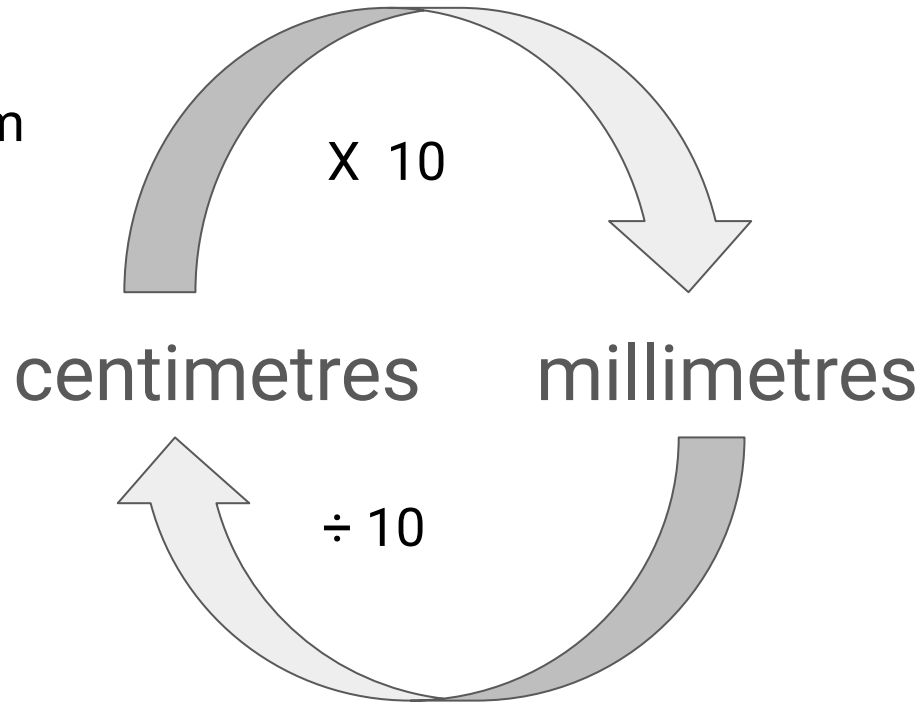
45 cm = _____ mm



Converting centimetres to millimetres: **Answers**

$$3 \text{ cm} = 30 \text{ mm}$$

$$45 \text{ cm} = 450 \text{ mm}$$



Activities: Use the previous slides to help you remember whether you multiply or divide

Red: Convert km to m

Yellow: Convert km to m and cm to m

Green: Convert km to m, cm to m and cm to mm