



THIRD SPACE
LEARNING



HELLO!

Today we are going to revise reading and
converting metric units

Arithmetic Warm Up

1. $220 \div 1,000 =$

2. $3,400 \times 100 =$

3. $62.19 \div 10 =$



Revision on measurement

Today we are going to revise how to:

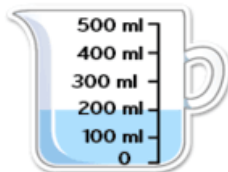


convert between standard metric units of measurement



Read and interpret scales

Revision: Converting metric units



1. 1m = cm

4. 1kg = g

2. 1 cm = 10

5. 1 000 = 1 litre

3. 1km = m

6. 1 tonne = kg

Revision: Converting metric units

Now using your metric units facts, solve these conversions:

1. $2\text{km} =$ m

3. $2030\text{ml} =$ litres

2. $0.4\text{kg} =$ g

4. $5.6\text{m} =$ cm

thousands	hundreds	tens	ones		tenths	hundredths	thousandths
				●			
				●			
				●			



Complete

Question 1

Write these lengths in order, starting with the shortest.

$\frac{1}{2}$ m

3.5cm

25mm

20cm



shortest

1. What do you notice?
2. What do you know?
3. Can you show your working out?
4. How could you extend the question?



Complete

Question 2



Cheddar cheese costs £7.50 for 1kg.

Marie buys 200 grams of cheddar cheese.

How much does she pay?



£

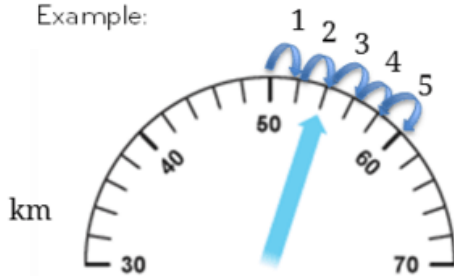
1. What do you notice?
2. What do you know?
3. Can you show your working out?
4. How could you extend the question?

Reading scales

Find the **difference** between the two 'big' numbers your point lies

Count how many **intervals** it is divided into and **divide** by the difference

Example:



The difference between 50km and 60km is 10km
Divide 10km by 5 because there are **5 intervals**

$$10 \div 5 =$$

Each interval is worth

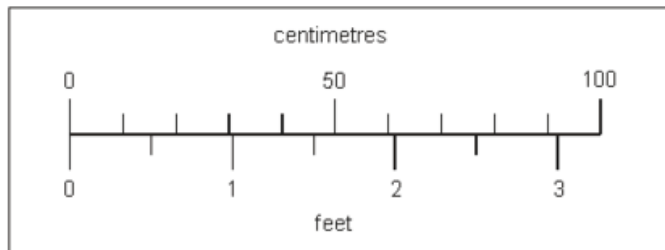
km/h

So, the speedometer is pointing to

km/h



Question 3



Not actual size

This scale shows length measurements in centimetres and feet.

Estimate the number of centimetres that are equal to $2\frac{1}{2}$ feet.

1. What do you notice?
2. What do you know?
3. Can you show your working out?
4. How could you extend the question?

Let's review:



convert between standard metric units of measurement



Read and interpret scales

Draw a circle around the smiley face to show how you feel about what we've just been doing.



CHALLENGE



Complete

1. What do you notice?
2. What do you know?
3. Can you show your working out?
4. How could you extend the question?

A carton of milk contains 2.5ℓ of milk.

Every day Mary and her brother use 200ml of milk in their cereal.



How many days do Mary and her brother have enough milk for?

Centimetres into metres

Convert 900cm into m.

2.

900

3.

900cm =

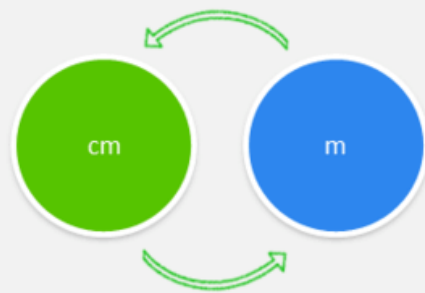
4.

762cm =

5.

65cm =

× 100



1.

Metres into centimetres

1. $1\text{m} =$

2.

3. Convert 18m into cm.

18

=



4. $18\text{m} =$

5. $6.2\text{m} =$

Centimetres into millimetres

1. $1\text{cm} =$

mm

2.

x

3. Convert 9cm into mm.

9

x

=

mm

cm

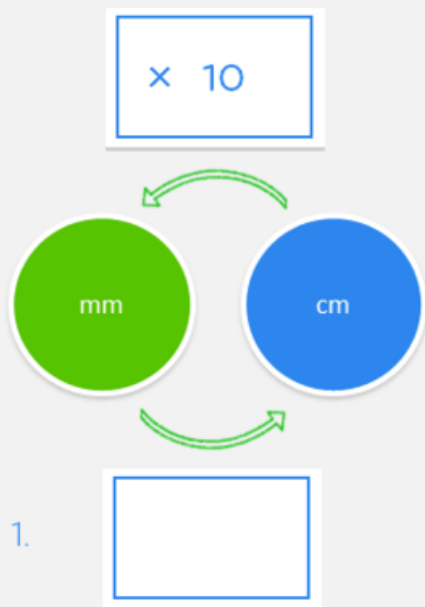
4. $13\text{cm} =$

mm

5. $7.8\text{cm} =$

mm

Millimetres into centimetres



2. Convert 50mm into cm.

$$50 \text{ } = \text{ cm}$$

3. 75mm = cm

4. 600mm = cm

5. 65mm = cm

Kilometres into metres

1. 1km =

 m

2.

3. Convert 16km into m.

16



4. 16km =

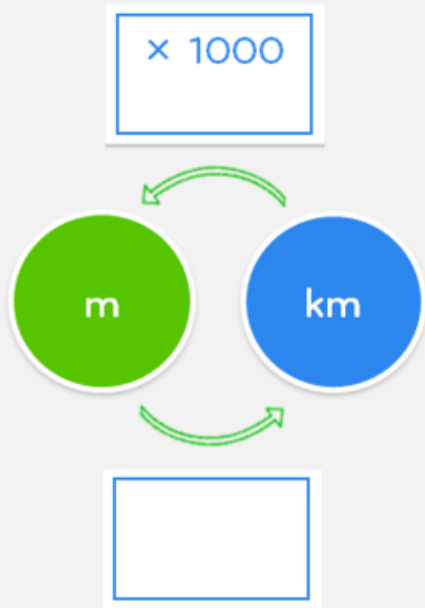
 m

5. 9.3km =

 m

Metres into kilometres

1.



2. Convert 6000m into km.

6000

3. 6000m =

km

4. 16000m =

km

5. 650m =

km

Kilograms into grams

1. 1kg =

 g

2.

3. Convert 16kg into g.

16

16kg =

 g

4. 9.3kg =

 g

Grams into Kilograms

1.



2. Convert 6000g into kg.

6000

6000g =

kg

3. 52,000g =

kg

4. 650g =

kg

Litres into millilitres

1. $1\ell =$

 ml

2.

3. Convert 16ℓ into ml.

$16\ell \times$

4. $16\ell =$

 ml

5. $9.3\ell =$

 ml

Millilitres into litres

× 1000



1.

Convert 6000ml into ℓ.

2. 6 000 ml ÷

3. 6 000 ml =

 ℓ

4. 52 000 ml =

 ℓ

5. 650 ml =

 ℓ

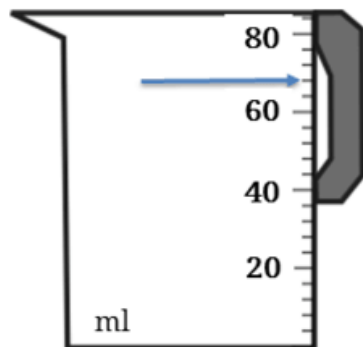
Reading scales

- Find the **difference** between the two 'big' numbers your point lies
- **Count** how many **intervals** it is divided into
- **Divide** by the difference



The arrow is pointing to

ml



- Find the **difference** between the two 'big' numbers your point lies
- **Count** how many **intervals** it is divided into
- **Divide** by the difference



The arrow is pointing to

kg

