L.O.: I can reactivate my prior knowledge (...).
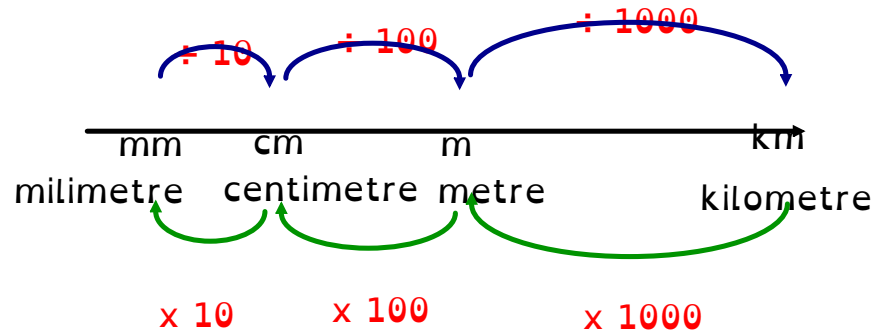
True or false? Explain.

I have measured our garden, which is 6m long and 4m wide, this gives it a perimetre 10m or 10,000cm.

L.O.: I can convert between different measurements involving "milli".

Remember?

: 10   : 100   : 1000

mm   cm   m   km
milimetre   centimetre metre   kilometre

x 10   x 100   x 1000

1 km = 1000 m
1000 m = 1 km
1 m = 100 cm
100 cm = 1 m
1 cm = 10 mm
10 mm = 1 cm

Stem-Sentence:
    … m equates to … km, because …   … km equates to … m, because …
    … cm equates to … m, because …   … m equates to … cm, because …
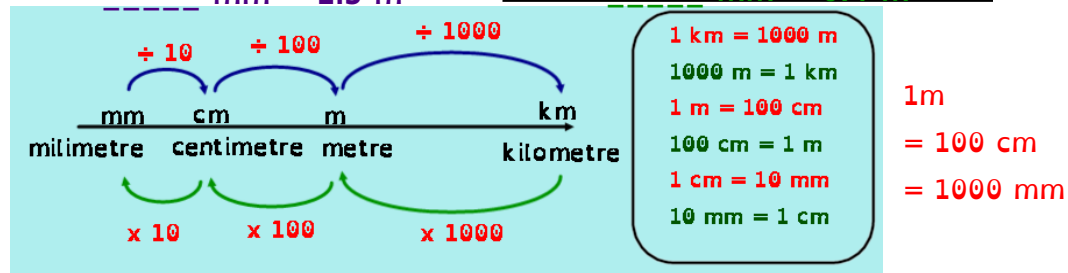   … mm equates to … cm, because …   … cm equates to … mm,
    because …

Keywords:
measurement, distance, mass, capacity, kilometres, millimetres, centimetres,
metres, grams, milligrams, kilograms, metric, imperial, …

L.O.: I can convert between different measurements involving "milli".

With an adult (if needed) -> On your own: Complete the table.

70 mm = _____cm

_____mm = 5 cm

400 mm = _____cm

_____mm = 6.2 cm

8400 mm = ___ cm = ____ m

_____ mm = 2.5 m

200 mm = _____cm

_____mm = 38 cm

12000 mm = _____m

_____mm = 2.3 m

80 mm = ____ m

_____ mm = 0.4 m

÷ 10   ÷ 100   ÷ 1000

mm   cm   m   km
milimetre centimetre metre   kilometre

x 10   x 100   x 1000

1 km = 1000 m
1000 m = 1 km
1 m = 100 cm
100 cm = 1 m
1 cm = 10 mm
10 mm = 1 cm

1m
= 100 cm
= 1000 mm

Stem-Sentence:

    … m equates to … km, because …   … km equates to … m, because …

    … cm equates to … m, because …   … m equates to … cm, because …

    … mm equates to … cm, because …   … cm equates to … mm,
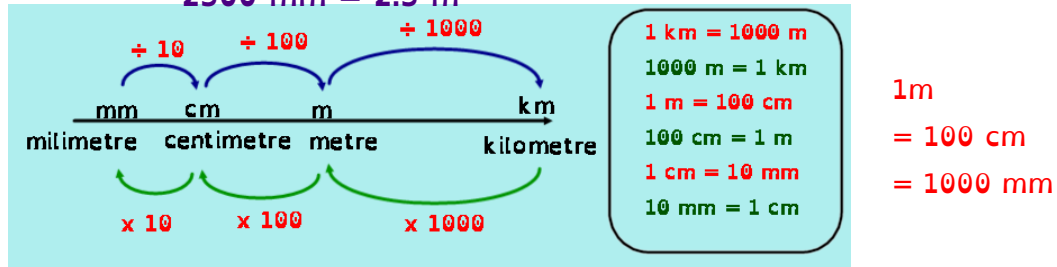
    because …

Keywords:

measurement, distance, mass, capacity, kilometres, millimetres, centimetres, metres, grams, milligrams, kilograms, metric, imperial, …

L.O.: I can convert between different measurements involving "milli".

CHECK!

70 mm = 7 cm

50 mm = 5 cm

400 mm = 40 cm

62 mm = 6.2 cm

8400 mm = 840 cm = 8.4m

2500 mm = 2.5 m

200 mm = 20 cm

380 mm = 38 cm

12000 mm = 12 m

2300 mm = 2.3 m

80 mm = 0.8 m

400 mm = 0.4 m

÷ 10   ÷ 100   ÷ 1000

mm   cm   m   km

milimetre   centimetre   metre   kilometre

x 10   x 100   x 1000

1 km = 1000 m

1000 m = 1 km

1 m = 100 cm

100 cm = 1 m

1 cm = 10 mm

10 mm = 1 cm

1m

= 100 cm

= 1000 mm

Stem-Sentence:

... m equates to ... km, because ...   ... km equates to ... m, because ...

... cm equates to ... m, because ...   ... m equates to ... cm, because ...

... mm equates to ... cm, because ...   ... cm equates to ... mm,
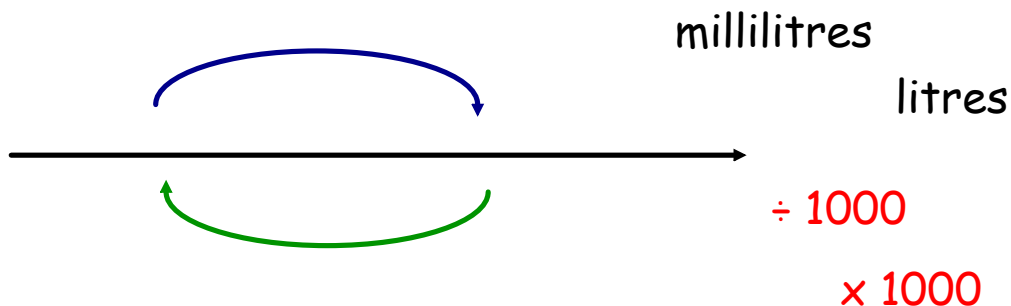
because ...

Keywords:

measurement, distance, mass, capacity, kilometres, millimetres, centimetres, metres, grams, milligrams, kilograms, metric, imperial, ...

L.O.: I can convert between different measurements involving "milli".

Measurement of capacity:

Complete the "number line" and add the missing numbers.

millilitres

litres

÷ 1000

× 1000

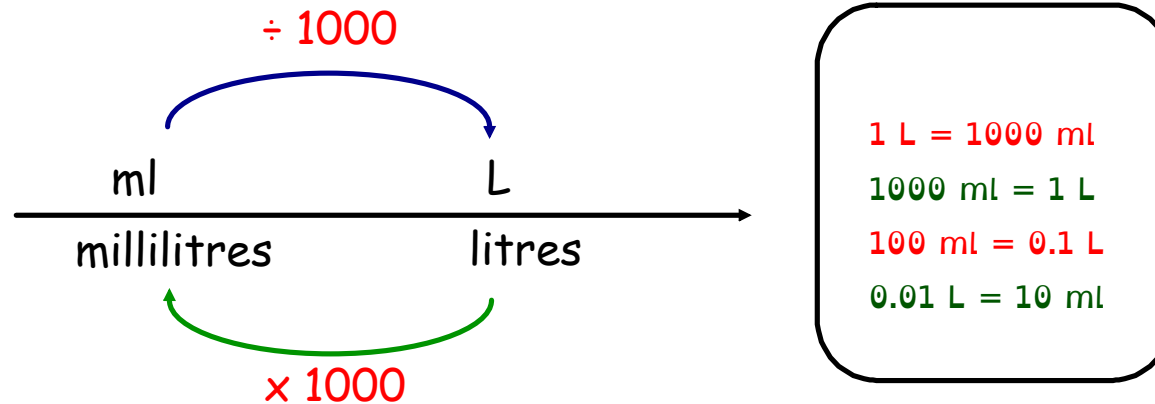| Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones	.	Tenths	Hundredths	Thousandths
100000	10000	1000	100	10	1	.	.1	.01	.001

Stem-Sentence:

... ml equates to ... L, because ...   ... L equates to ... ml,

because ...

Keywords:

measurement, distance, mass, capacity, kilometres, millimetres,

centimetres, metres, grams, milligrams, kilograms, metric,

imperial, ...

L.O.: I can convert between different measurements involving "milli".

CHECK!

÷ 1000

ml   L

millilitres   litres

× 1000

1 L = 1000 ml

1000 ml = 1 L

100 ml = 0.1 L

0.01 L = 10 ml

Stem-Sentence:

... ml equates to ... L, because ...   ... L equates to ... ml,
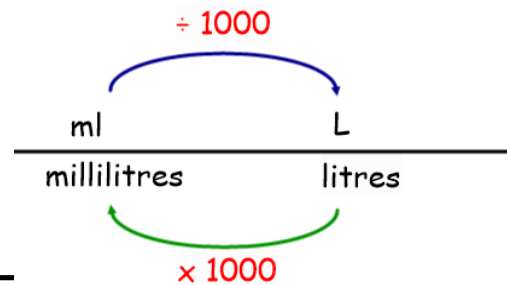
because ...

Keywords:

measurement, distance, mass, capacity, kilometres, millimetres,

centimetres, metres, grams, milligrams, kilograms, metric, imperial, ...

L.O.: I can convert between different measurements involving "milli".

With an adult (if needed) -> On your own: Complete the table.

| 3000 ml = _____ L |
| _____ml = 5 L |
| 4300 ml = _____ L |
| _____ ml = 2.2 L |
| 700 ml = _____ L |
| _____ ml = 0.25 L |

| 7000 ml = _____ L |
| _____ ml = 18 L |
| 43,500 ml = _____ L |
| _____ ml = 4.8 L |
| 650 ml = _____ L |
| _____ ml = 0.951 L |

÷ 1000

ml   L

millilitres   litres

× 1000

1 L = 1000 ml

1000 ml = 1 L

100 ml = 0.1 L

0.01 L = 10 ml

Stem-Sentence:

... ml equates to ... L, because ...   ... L equates to ... ml,
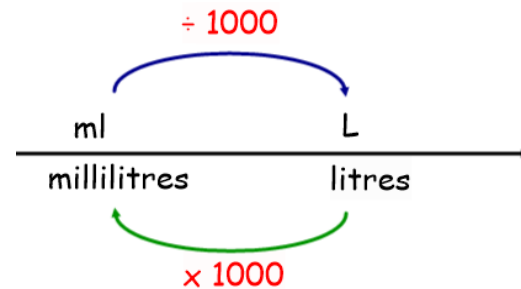
because ...

Keywords:

measurement, distance, mass, capacity, kilometres, millimetres,

centimetres, metres, grams, milligrams, kilograms, metric, imperial, ...

L.O.: I can convert between different measurements involving "milli".

CHECK!

3000 ml = 3 L
5000 ml = 5 L
4300 ml = 4.3 L
2200 ml = 2.2 L
700 ml = 0.7 L
250 ml = 0.25 L

7000 ml = 7 L
18,000 ml = 18 L
43,500 ml = 43.5 L
4800 ml = 4.8 L
650 ml =0.65 L
951 ml = 0.951 L

÷ 1000

ml
millilitres

L
litres

× 1000

1 L = 1000 ml
1000 ml = 1 L
100 ml = 0.1 L
0.01 L = 10 ml

Stem-Sentence:

    ... ml equates to ... L, because ...   ... L equates to ... ml,
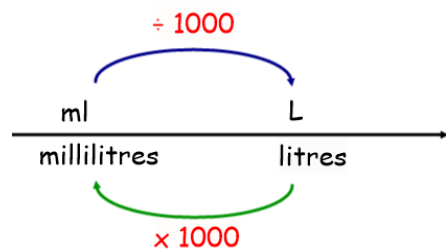
    because ...

Keywords:

measurement, distance, mass, capacity, kilometres, millimetres,

centimetres, metres, grams, milligrams, kilograms, metric, imperial, ...

L.O.: I can convert between different measurements involving "milli".

Partner-Task:

Sara buys 4 cartons of apple juice. Each contains 1.25L of juice?

She sells the juice in 100ml glasses for £1.20 each.

How much <u>profit</u> does she make?

÷ 1000

ml — L

millilitres — litres

× 1000

1 L = 1000 ml
1000 ml = 1 L
100 ml = 0.1 L
0.01 L = 10 ml

£1.45 each

Stem-Sentence:

... 1/5 equates to ..., because ...   ... 1/4 equates to ..., because ...
... 2/5 equates to ..., because ...   ... 1/2 equates to ..., because ...
... 1/10 equates to ..., because ...   ... 3/4 equates to ..., because ...

Keywords:

measurement, distance, mass, capacity, kilometres, millimetres, centimetres, metres, grams, milligrams, kilograms, metric, imperial, ...

L.O.: I can convert between different measurements involving "milli".

Task: Complete the tasks from your sheet.

Plenary

RL: Today's learning will help me ...

I have become better at ...

I need to practise ...

Stem-Sentence:

... m equates to ... km, because ...   ... km equates to ... m, because ...
... cm equates to ... m, because ...   ... m equates to ... cm, because ...
... mm equates to ... cm, because ...   ... cm equates to ... mm, because ...
... ml equates to ... L, because ...   ... L equates to ... ml, because ...

Keywords:

measurement, distance, mass, capacity, kilometres, millimetres, centimetres, metres, grams, milligrams, kilograms, metric, imperial, ...