

23/06/2020

WALT convert milli units.

WILF:

- Convert millilitres to litres.
- Convert millimetres to meters.
- Use multiplication and division.
- + Use reasoning.



Milli means $1/1000$
Or, 1 in 1000.

Today we are focussing on millimetres and millilitres.

There are 1000 millilitres in a litre.

There are 1000 millimetres in a metre.

So, when you see milli before a unit, that means you need 1000 of them to get to the unit in the word that follows.



To convert millilitres into litres, divide by 1000.
To convert litres to millilitres, multiply by 1000.
Use your place value to help you.

Change 750 millilitres into litres

L

Change 6 litres into millilitres

ml

Change 13.5 litres into millilitres

ml

James and Jack buy 3 litres of orange juice.

Each boy drinks 650 millilitres of orange juice.

How much orange juice is left?

To convert millilitres into litres, divide by 1000.
To convert litres to millilitres, multiply by 1000.
Use your place value to help you.

Change 750 millilitres into litres

$$750 \div 1000 = 0.75$$

Imagine a decimal point at the end of your number, then move it left 3 places for the 3 zeros of 1000.

0.75L

Change 6 litres into millilitres

$$6 \times 1000 = 6000$$

Imagine a decimal point at the end of your number, then move it right 3 places for the 3 zeros of 1000.

6000ml

Change 13.5 litres into millilitres

$$1.35 \times 1000 = 1350$$

1350 ml

James and Jack buy 3 litres of orange juice.

Each boy drinks 650 millilitres of orange juice.

How much orange juice is left? 1700ml

First, convert the litres to millilitres. $3 \times 1000 = 3000$
Then, multiply 650 by 2 (for the two boys) and subtract it.

$$650 \times 2 = 1300 \quad 3000 - 1300 = 1700$$

Use the same method for millimetres.

Divide by 1000 to change metres into millimetres.

Multiply by 1000 to change millimetres into metres.

Example:

Change 1.5 metres into millimetres.

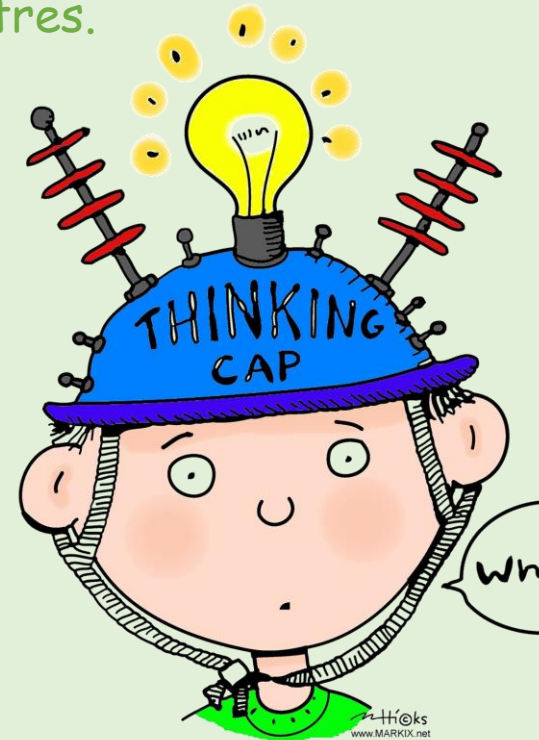
$$1.5 \times 1000 = 1500$$

Answer: 1500mm

Change 120 millimetres into metres.

$$120 \div 1000 = 0.12$$

Answer: 0.12 metres



Watch this if you're confused about converting:

Litres to millilitres - . <https://safeYouTube.net/w/OTAL>

Millimetres to metres: <https://safeYouTube.net/w/wUAL>

Have a go at today's activity.

