Subtraction and conversion for metric units of capacity

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➢ The units of capacity used in the metric system are

litre

millilitre.

➢ We can convert millilitres into litres divide them by 1000**(1/1000)**.

➢We can convert litres into millilitres multiplying them by 1000.

Example : 1

Subtract : $16\,\ell - 6\,\ell$

Solution :

Litres	
1	**6**
0	**6**
1	**0**

(− on the left side)

$16\,\ell - 6\,\ell = 10\,\ell$

So, answer is $10\,\ell$

Convert 10 litres into millilitre

Solution :

1 litre = 1000 millilitres

$10\,\ell = 10 \times 1000\ ml$

$= 10000\ ml$

So, $10\,\ell = 10000\ ml$

Example : 2

Subtract : 480 $m\ell$ - 340 $m\ell$

Solution :

millilitres
4 8 0
3 4 0
1 4 0

(–)

480 $m\ell$ - 340 $m\ell$ = 140 $m\ell$

So, answer is 140 $m\ell$

Convert 140 millilitres into litre

Solution :

1 millilitre = $\dfrac{1}{1000}$ litres (ℓ)

$140\ m\ell = 140 \times \dfrac{1}{1000}\ \ell$

$= \dfrac{140}{1000}\ \ell$

400 $m\ell$ = 0.14 ℓ

Example : 3

Subtract : 9 ℓ 670 ml - 4 ℓ 220 ml

Solution :

	ℓ	ml
−	9	670
	4	220
	5	450

9 ℓ 670 ml - 4 ℓ 220 ml = 5 ℓ 450 ml

So, answer is 5 ℓ 450 ml

Convert 5 litres 450 millilitres into millilitres

Solution :

First we have to convert 5 ℓ into millilitre,

1 litre = 1000 millilitres

5 ℓ = 5 x 1000 ml

= 5000 ml

Add 5000 ml and 450 ml,

5 l 450 ml = 5000 ml + 450 ml

5 ℓ 450 ml = 5450 ml

Example : 4

Subtract : 46 ℓ 800 $m\ell$ - 34 ℓ 300 $m\ell$

Solution :

	ℓ	$m\ell$
	46	800
	34	300
	12	500

(−)

46 ℓ 800 $m\ell$ - 34 ℓ 300 $m\ell$ = 12ℓ 500 $m\ell$

So, answer is 12 ℓ 500 $m\ell$

Convert 12 litres 500 millilitres into litres

Solution :

First we have to convert 500 $m\ell$ into litre,

1 millilitre = $\frac{1}{1000}$ litres (ℓ)

500 $m\ell$ = 500 x $\frac{1}{1000}$ ℓ

= $\frac{500}{1000}$ ℓ

500 $m\ell$ = 0.5 ℓ

Add 12 ℓ and 0.5 ℓ,

12 ℓ 500 $m\ell$ = 12 ℓ + 0.5 ℓ

12 ℓ 500 $m\ell$ = 12.5 ℓ