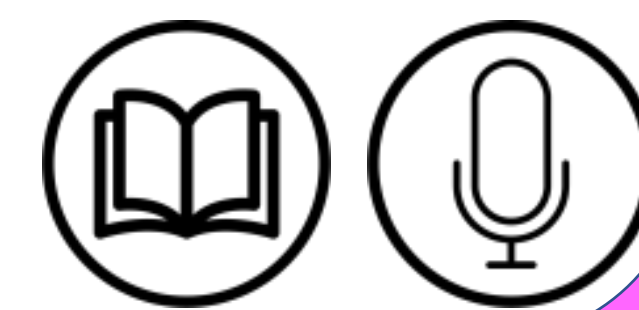




Addition and conversion for metric units of capacity





Addition and conversion for metric units of capacity

- The units of capacity used in the metric system are **litre** and **millilitre**.
- We can convert **millilitres into litres** by divide them by **1000**_(1/1000).
- We can convert **litre into millilitres** by multiplying them by **1000**.



Addition and conversion for metric units of capacity

Example : 1

Add : $10\text{ l} + 7\text{ l}$

Solution :

	Liters	
	1	0
+	0	7
	1	7

$$10\text{ l} + 7\text{ l} = 17\text{ l}$$

So, answer is 17 l

Convert 17 litres into millilitres

Solution :

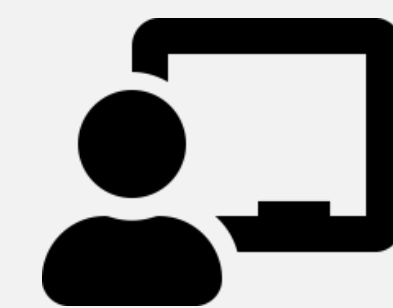
1 litre = 1000 millilitres

$$17\text{ l} = 17 \times 1000\text{ ml}$$

$$= 17000\text{ ml}$$

So, $17\text{ l} = 17000\text{ ml}$

Example : 2



Add : $100 \text{ ml} + 300 \text{ ml}$

Solution :

	millilitres		
	1	0	0
+	3	0	0
	4	0	0

$$100 \text{ ml} + 300 \text{ ml} = 400 \text{ ml}$$

So, answer is 400 ml

Convert 400 millilitres into litres

Solution :

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

$$\begin{aligned} 400 \text{ ml} &= 400 \times \frac{1}{1000} \text{ l} \\ &= \frac{400}{1000} \text{ l} \end{aligned}$$

$$400 \text{ ml} = 0.4 \text{ l}$$



Example : 3

Add : $5 \text{ l } 160 \text{ ml} + 3 \text{ l } 220 \text{ ml}$

Solution :

	l	ml
+	5	160
	3	220
	8	380

$$5 \text{ l } 160 \text{ ml} + 3 \text{ l } 220 \text{ ml} = 8 \text{ l } 380 \text{ ml}$$

So, answer is $8 \text{ l } 380 \text{ ml}$

Convert 8 litres 380 millilitres into millilitres

Solution :

First we to convert 8 l into millilitre,

$$1 \text{ litre} = 1000 \text{ millilitres}$$

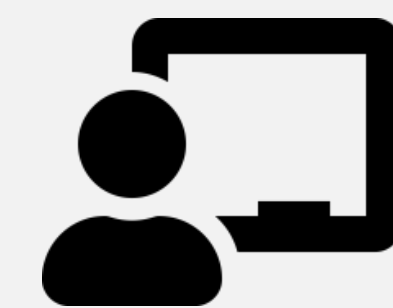
$$\begin{aligned} 8 \text{ l} &= 8 \times 1000 \text{ ml} \\ &= 8000 \text{ ml} \end{aligned}$$

Add 8000 ml and 380 ml ,

$$8 \text{ l } 380 \text{ ml} = 8000 \text{ ml} + 380 \text{ ml}$$

$$8 \text{ l } 380 \text{ ml} = 8380 \text{ ml}$$

Example : 4



Add : $3 \text{ l } 340 \text{ ml} + 4 \text{ l } 400 \text{ ml}$

Solution :

	l	ml
+	3	340
	4	400
	7	740

$3 \text{ l } 340 \text{ ml} + 4 \text{ l } 400 \text{ ml} = 7 \text{ l } 740 \text{ ml}$

So, answer is $7 \text{ l } 740 \text{ ml}$

Convert 7 litres 740 millilitres into litres

Solution :

First we convert 740 ml into litres,

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

$$\begin{aligned} 740 \text{ ml} &= 740 \times \frac{1}{1000} \text{ l} \\ &= \frac{740}{1000} \text{ l} \end{aligned}$$

$$740 \text{ ml} = 0.74 \text{ l}$$

Add 7 l and 0.74 l ,

$$7 \text{ l } 740 \text{ ml} = 7 \text{ l} + 0.74 \text{ l}$$

$$7 \text{ l } 740 \text{ ml} = 7.74 \text{ l}$$

