

SESSION : 7
CLASS : IV
SUBJECT : MATHEMATICS
CHAPTER NUMBER : 12
CHAPTER NAME : MEASUREMENT
**SUBTOPIC : CAPACITY AND CONVERSION OF
CAPACITY, EX-12 H**

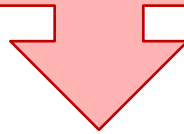
CHANGING YOUR TOMORROW

LEARNING OBJECTIVE

- Enable the students to understand about the different units of the capacity and also about the conversion of capacities.

CAPACITY

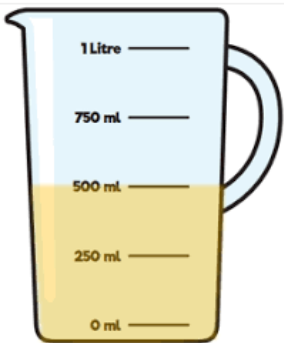
We measure capacity in **litres** and **millilitres**. **Litre** is the standard unit of capacity. Liquids like milk, water, petrol, etc., are measured in **litres**. Smaller quantities like medicinal liquids such as cough syrup, tonics, etc., are measured in **millilitres**.



1 litre = 1,000 millilitres



'L' or 'l' is the short form of litres and **'mL' or 'ml'** is the short form of millilitre.



CAPACITY

Just as we have standard weights, we have vessels (containers) with standard capacities too.



These vessels are generally used for measuring milk.



These vessels are generally used for measuring oil.



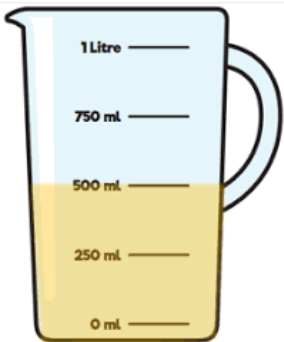
Chemists and druggists measure medicinal liquids with small graduated cylinders of capacities 1ml to 100 ml.

CAPACITY

CONVERSION

Litres into millilitres (litres \times 1000)

To convert litres into millilitres, multiply the quantity by 1000.



CAPACITY

CONVERSION

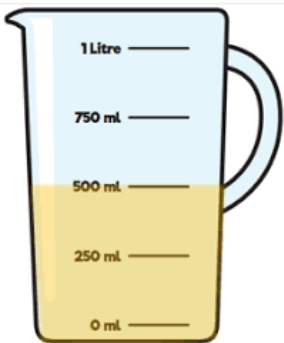
EXAMPLE : Convert the following into millilitres.

(a) 5 litres = $5 \times 1,000\text{ml}$ = **5,000 ml**

(b) 7 litres = $7 \times 1,000\text{ml}$ = **7,000 ml**

(c) 3l 175ml = $3 \times 1,000\text{ml} + 175\text{ml} = 3,000\text{ml} + 175\text{ml} =$ **3,175 ml**

(d) 6l 224ml = $6 \times 1,000\text{ml} + 224\text{ml} = 6,000\text{ml} + 224\text{ml} =$ **6,224 ml**

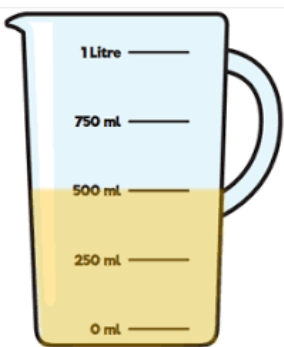


CAPACITY

CONVERSION

Millilitres into litres (millilitres \div 1000)

To convert millilitres into litres, divide the quantity by 1000.



CAPACITY

CONVERSION

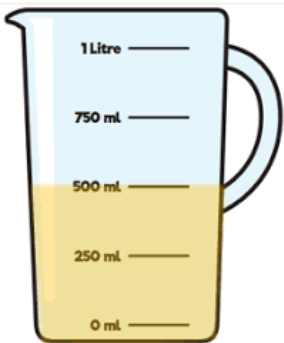
EXAMPLE : Convert the following into litres and millilitres.

(a) $2,000 \text{ ml} = 2000 \div 1,000 = \mathbf{2 \text{ l}}$

(b) $4,000 \text{ ml} = 4000 \div 1,000 = \mathbf{4 \text{ l}}$

(c) $8,000 \text{ ml} = 8000 \div 1,000 = \mathbf{8 \text{ l}}$

(d) $6,025 \text{ ml} = 6,000 \div 1,000 \text{ ml} + 025 \text{ ml} = \mathbf{6 \text{ l } 025 \text{ ml}}$

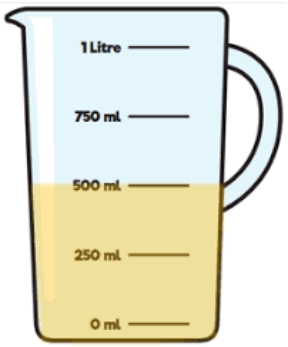


CAPACITY

CONVERSION

Millilitres into litres (millilitres \div 1000)

When converting millilitre into litre, the last three digits on the right gives the millilitre, remaining digits give the litre.



$9352 \text{ ml} = 9 \text{ l } 352 \text{ ml}$

$13450 \text{ ml} = 13 \text{ l } 450 \text{ ml}$

CAPACITY

EXERCISE – 12(H)

A. Convert into millilitres.

(1) $3 \text{ l} =$ 3,000 ml

$$3 \times 1,000\text{ml} = 3,000 \text{ ml}$$

(2) $4 \text{ l } 125\text{m l} =$ 4,125 ml

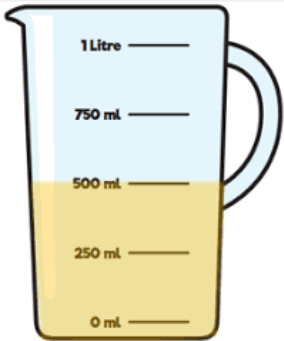
$$4 \times 1,000 \text{ ml} + 125 \text{ ml} = 4,000 \text{ ml} + 125 \text{ ml} = 4,125 \text{ ml}$$

(3) $6 \text{ l} =$ 6,000 ml

$$6 \times 1,000 \text{ ml} = 6,000\text{ml}$$

(4) $5 \text{ l } 225 \text{ ml} =$ 5,225 ml

$$5 \times 1,000 \text{ ml} + 225 \text{ ml} = 5,000 \text{ ml} + 225 \text{ ml} = 5,225 \text{ ml}$$



CAPACITY

EXERCISE – 12(H)

B. Convert into litres.

(1) 3,000 ml = l ml

3,000 ml = $3000 \div 1000 =$ **3 l**

(2) 6,666 ml = l ml

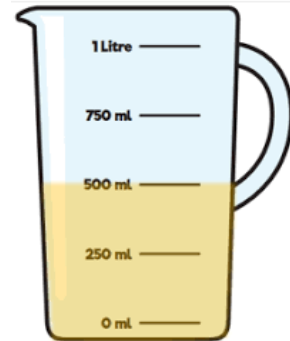
6,666 ml = $6000 + 666 \text{ ml} =$ **6 l 666 ml**

(3) 9,000 ml = l ml

9,000 ml = $9000 \div 1000 =$ **9 l**

(4) 6,808 ml = l ml

6,808 ml = $6000 + 808 \text{ ml} =$ **6 l 808 ml**



HOME ASSIGNMENT:

- **Complete Exercise – 12 H in your note book.**

LEARNING OUTCOME:

Students are able to understand about the different units of capacity and also about the conversion of capacities.

THANKING YOU
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