

SESSION : 8
CLASS : IV
SUBJECT : MATHEMATICS
CHAPTER NUMBER : 12
CHAPTER NAME : MEASUREMENT
SUBTOPIC : ADDITION AND SUBTRACTION OF CAPACITIES, EX-12 I & EX-12 J

CHANGING YOUR TOMORROW

LEARNING OBJECTIVE

- Enable the students to understand how to add and subtract the capacities.

ADDITION OF CAPACITIES

Addition of capacity measures is carried out in the same way as in mass measures.



Millilitres should be written as a 3-digit number.

CAPACITY

ADDITION OF CAPACITIES

EXAMPLE Add 6 l 225 ml and 4 l 383 ml.

	l	ml
		1
	6	225
+	4	383
	10	608

Method

Step 1 :

Add the millilitres first.

$$225 + 383 = 608 \text{ ml.}$$

Write 408 under millilitres' column.

Step 2 :

Add the litres.

$$6 + 4 = 10 \text{ l.}$$

Write 10 under the litres' column.

Ans : 10 l 408 ml

ADDITION OF CAPACITIES

EXERCISE – 12(I)

A. Add the following.

	l	ml
1		
	1	1
	26	139
+	81	947
	108	086

Ans. **108 l 086 ml**



ADDITION OF CAPACITIES

EXERCISE – 12(I)

A. Add the following.

	l	ml
2		
	1	
	1 2 3	5 1 0
+	2 9	3 2 9
	1 5 2	8 3 9

Ans. $152 \text{ l } 839 \text{ ml}$



ADDITION OF CAPACITIES

EXERCISE – 12(I)

B. Word problems.

1. 31 l 500 ml of milk in one can is mixed with 72 l 650 ml of milk in the other can. Find the total quantity of milk.

One can have total milk = 31 l 500 ml

The milk mixed in the other can = 72 l 650 ml

the total quantity of milk =

	l	ml
	31	500
+	72	650
	104	150



Therefore, The total quantity of milk is **104l 150ml.**

SUBTRACTION OF CAPACITIES

Subtraction of capacity measures is also carried out in the same way as in mass measures.



Millilitres should be written as a 3-digit number.

SUBTRACTION OF CAPACITIES

EXAMPLE Subtract 9 l 48 ml from 14 l 374 ml.

Method

Step 1 :

Subtract the millilitres first.

$$374 - 048 = 326 \text{ ml.}$$

Write 326 under millilitres' column.

Step 2 :

Subtract the litres.

$$14 - 9 = 5 \text{ litres. write 5 under litres' column.}$$

Ans : 5 l 326 ml.

l	ml
14	374
- 9	048
5	326

SUBTRACTION OF CAPACITIES

EXERCISE – 12(J)

A. Subtract the following.

1	l	ml
		10 12 16
	1 7	1 3 6
-	1 2	3 8 8
	0 4	7 4 8

Ans.

4l 748ml



SUBTRACTION OF CAPACITIES

EXERCISE – 12(J)

A. Subtract the following.

	l	ml
2	7 10	9 10
	8 1	0 0 8
-	3 5	6 2 4
	4 5	3 8 4

Ans. **45l 384ml**



SUBTRACTION OF CAPACITIES

EXERCISE – 12(J)

B. Word problems.

1. By how much is 66 l 30 ml greater than 36 l 575 ml?

one capacity is = 66 l 30 ml

Another capacity is = 36 l 575 ml.

The difference between their capacity =

	l		ml
	5	15	9 12 10
	6	6	0 3 0
-	3	6	5 7 5
	2	9	4 5 5



Thus, 66 l 30 ml is greater than from 36 l 575 ml by 29 l 455 ml.

SUBTRACTION OF CAPACITIES

EXERCISE – 12(J)

B. Word problems.

2. By how much is 152 l 460 ml less than 180 l 45 ml?

one capacity is = 180 l 45 ml

Another capacity is = 152 l 460 ml.

The difference between their capacity =

	l	ml
	79	914
	180	045
-	152	460
	027	585



Hence, 152 l 460 ml is less than from 180 l 45 ml by 27 l 585 ml.

HOME ASSIGNMENT:

- **Complete Exercise – 12 I and 12 J in your note book.**

LEARNING OUTCOME:

Students are able to understand about the addition and subtraction of capacities.

THANKING YOU
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