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NOTES

SUBJECT: MATHEMATICS

MONTH: AUGUST

CLASS: IV

TOPIC: JUGS AND MUGS

In this chapter we will learn,

*** Concept of measuring liquids and their units**

*** Litres and millilitres**

*** Quantity of water spent by individuals in a day**

*** Quantity of water spent by a family**

I. The different ways to add upto 1 litre:

1. One Litre=500 ml+500ml
2. One litre=250ml+500ml+250ml
3. One litre=800 ml+200ml
4. One litre=100ml+200ml+300ml+400ml
5. One litre=150ml+350ml+500ml
6. One litre=700ml+300ml
7. One litre=600ml+400ml

II. Look around:

PACKET	HOW MANY ML OR L
MILK	500 ML
OIL	1L
INK BOTTLE	250 ml
SHAMPOO	50 ml
UJALA	300ml

III. NEETU IN HOSPITAL:

Neetu has to take 3 injections in a day for 5 days. One injection gives 5 ml of medicine. How much medicine will she need for one day? And for 5 days?

Ans: 1 injection = 5 ml

3 injections = $3 \times 5 = 15$ ml

1 day = 15 ml

Therefore for 5 days = $15 \times 5 = 75$ ml

IV. HOW MUCH DO WE USE AT A TIME?

1. Eye drops = Less than 1 ml
2. Cough syrup = 5 ml
3. Soup = less than 100 ml
4. Tea or coffee = less than 100 ml

V. LIST THINGS WE USE MORE THAN 1 LITRE:

1. Water for taking bath
2. Water for washing clothes
3. Water for washing utensils
4. Paint for whole house
5. Petrol or Diesel to fill up the tank of a car or a bus

VI. PRACTICE TIME:

1. Amina's water bottle holds 1 litre of water. She drank 250ml of water and her friend Govind drank 150 ml. How much water is left in her bottle?

Ans: Amina water bottle = 1 l

1 l = 1000ml

Amina drank = 250ml

Govind drank = 150ml

$$\text{Total} = 250 + 150 = 400 \text{ ml}$$

$$\text{Remaining} = 1000 - 400 = 600 \text{ ml}$$

VII. 1. List the objects which contains less than 1 L:

a.) Bowl b.) Cup c.) Mug d.) Glass

2. List the objects which contains more than 1 L:

a.) Bucket b.) Water tank c.) Pot d.) Well

VIII. The Table shows the water used in one day by a family of 5 people. They live in goodalur village.

Activity	Water in Litres
Cooking and drinking	30 L
Washing clothes	40L
Cleaning pots and pans	20 L
Bathing	75L

$$\text{Total water used by them} = 30 + 40 + 20 + 75 = 165 \text{ L}$$

IX. FIND OUT HOW MUCH WATER IS WASTED IN A DAY:

i.) In a day:

$$1 \text{ day} = 24 \text{ hours}$$

$$1 \text{ hour} = 1 \text{ l is wasted}$$

$$\text{So } 24 \text{ hours} = 24 \times 1 = 24 \text{ L}$$

ii.) In a week:

$$1 \text{ week} = 7 \text{ days}$$

$$1 \text{ day} = 24 \text{ L}$$

$$\text{So } 7 \text{ days} = 7 \times 24 = 168 \text{ L}$$

iii.) In a month:

$$1 \text{ month} = 30 \text{ days}$$

$$1 \text{ day} = 24 \text{ L}$$

$$\text{So } 30 \text{ days} = 30 \times 24 = 720 \text{ L}$$

iv.) In a year:

$$1 \text{ year} = 365 \text{ days}$$

$$1 \text{ day} = 24 \text{ L}$$

$$\text{So } 1 \text{ year} = 365 \times 24 = 8760 \text{ L}$$