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## Many more liters

Ichoda milk cooperative society collects milk from surrounding villages.



1 liter = 1000 milliliters

Liter is written in short as L or l.

Milliliter is written in short as mL or ml.

Four farmers from Ponna village supply to it milk in the following quantities

Laxmi : 12 L 500 ml

Ramaiah : 9 L

Rahim : 8 L 800 ml

Jani : 10 L 700 ml

- Arrange the names of the farmers in the order of the amounts of milk supplied from highest to lowest.
- What is the total quantity of milk supplied by the farmers of Ponna village?
- If the cooperative society pays ₹ 20 per litre to the farmers, how much money will Rahim get?  
Hint : What part of a liter is 800 ml?
- If 12 villages supply the same amount of milk in a day as Ponna village, then how much milk will the cooperative society collect in a day?

## At the milk processing and packaging unit

The milk cooperative society actually collects 336 L of milk in a day. After processing they pack the milk into packets of 1 L, 500 ml and 250 ml.



- (a) 110 L of milk is packed into 1 L packets. How many such packets will be made?
- (b) 90 L of milk is packed into 500 ml packets. How many such packets will be made?  
Hint : How many 500 ml are there in 1 L?
- (c) 100 L of milk is packed into 250 ml packets. How many such packets will be made?  
Hint : How many 250 ml are there in 1 L?
- (d) How many liters of milk is packeted?
- (e) The rest of the milk is wasted during processing. How much milk is wasted?

## Sending milk to various homes

The cooperative society employs various milk boys to sell its milk. Each milk boy gets a daily commission of ₹ 65 for his work.

Kishan has sold 12 packets of 500 ml, 24 packets of 250 ml and 22 packets of 1 L, in a day.

- (a) How much milk has he sold in the day?

Balaji supplies 8 L of milk in 500 ml packets and 6 L of milk in 250 ml packets.

- (a) How many 500 ml packets did he sell?  
(b) How many 250 ml packets did he sell?



## Try This

1. A milk boy sold milk in packets of 250 ml and 500 ml. He sold 6 L of milk in 17 packets . How many packets of each type did he sell?

### Painting home

Amar wants to paint his home. He went to the paint shop and bought white, yellow, red and green colour paints. The details of the quantity of each paint he bought are given below.



Colour	Capacity per can	No. of cans	Cost per liter
Yellow	50 ml	3	₹ 400
Green	100 ml	2	₹ 500
White	10 L	4	₹ 120
Red	200 ml	3	₹ 500



- (a) How many liters of paint did Amar buy in all?
- (b) How much would one 100 ml can of green paint cost?  
How much money did Amar spend on green paint?  
Hint : What part of 1 L is 100 ml?
- (c) How much would one 200 ml can of red paint cost?  
How much money did Amar spend on red paint?  
Hint : What part of 1 L is 200 ml?
- (d) How much would one 50 ml can of yellow paint cost? How much money did Amar spend on yellow paint?  
Hint : What part of 1 L is 50 ml?
- (e) How much does 10 L of white paint cost? How much money did Amar spend on white paint?
- (f) What is the total amount that Amar spent on paint?



## Petrol pump

Ganesh petrol pump is a busy petrol pump.



The following are the details of the sale of petrol and diesel made by the petrol pump in a day.

Vehicle	Fuel	Number of liters per vehicle
4 container trucks	Diesel	1000
4 trucks	Diesel	800
4 lorries	Diesel	600
6 buses	Diesel	300
6 cars	Petrol	30
7 Jeeps	Diesel	40

- How many liters of petrol and diesel did the pump sell in the day?
- If the underground tank which stores diesel at the pump holds 16000 liters in the morning, how much diesel will it hold at the end of the day?
- If the petrol pump has to maintain a full tank of 16000 L by next morning, how many more liters of diesel need to be pumped into it?

## Exercise

1. A juice vendor sold 67 glasses of orange juice in a day. If each glass of juice holds 250 ml then how many liters of juice did the vendor sell? If the vendor sold 15 glasses of pineapple juice, then how many liters of pineapple juice did he sell?
2. A cow gave 14 L 500 ml of milk in the morning and 13 L and 750 ml of milk in the evening. How much milk did the cow give in the day?
3. A cup can hold 50 ml of tea. How much tea will be there in 12 such cups?
4. A tanker is carrying 9000 litres of water. If it has to deliver 1500 litres of water at each location, then to how many locations can it deliver water?



5. Raju fills 5 liters of petrol in his car every 3 days. How many liters of petrol does he fill in a month? If the cost of petrol is ₹ 69 per liter, how much does Raju spend on petrol every month?
6. A bus driver paid ₹ 2250 at petrol pump for diesel. If the cost of diesel is ₹ 50 per liter, then how many liters of diesel did he buy?