

Exercise 9.5

A. Change to millilitres: -

1. 6L

$$\text{As } 1\text{L} = 1000\text{ml}$$

$$\text{So } 6\text{L} = (6 \times 1000)\text{ml}$$

$$= 6000\text{ml}$$

$$\text{Ans. } 6\text{L} = 6000\text{ml}$$

3. 2L 970ml

$$1\text{L} = 1000\text{ml}$$

$$2\text{L } 970\text{ml} = 2\text{L} + 970\text{ml}$$

$$= (2 \times 1000)\text{ml} + 970\text{ml}$$

$$= 2000\text{ml} + 970\text{ml}$$

$$= 2970\text{ml}$$

$$\text{Ans. } 2\text{L } 970\text{ml} = 2970\text{ml}$$

4. $9\frac{1}{4}\text{L}$

$$= 9\text{L} + \frac{1}{4}\text{L}$$

$$= (9 \times 1000)\text{ml} + \frac{1}{4}\text{L} \quad [1\text{L} = 1000\text{ml}]$$

$$= 9000\text{ml} + 250\text{ml}$$

$$\text{Ans. } 9\frac{1}{4}\text{L} = 9250\text{ml}$$

5. $4\frac{3}{4}\text{L}$

$$= 4\text{L} + \frac{3}{4}\text{L}$$

$$= (4 \times 1000)\text{ml} + 750\text{ml}, \quad [1\text{L} = 1000\text{ml}]$$

$$= 4000\text{ml} + 750\text{ml}$$

$$= 4750\text{ml}$$

$$\text{Ans. } 4\frac{3}{4}\text{L} = 4750\text{ml}$$

6. 16L 25 ml

$$= 16L + 25ml$$

$$= (16 \times 1000)ml + 25ml \quad (1L = 1000ml)$$

$$= 16000ml + 25ml$$

$$= 16025ml$$

Ans 16L 25 ml = 16025 ml

B. Express as litres and millilitres.

1. 4000 ml

As 1000 ml = 1L and 1 ml = $\frac{1}{1000}$ L

$$\text{So } 4000ml = (4000 \div 1000) L$$

$$= 4L$$

As 4000 ml = 4L

2. 4500 ml

As 1000 ml = 1L

and 1 ml = $\frac{1}{1000}$ L

$$\text{So } 4500ml = (4500 \div 1000) L$$

$$= 4L 500ml$$

Ans. 4500 ml = 4L 500ml

3. 1025 ml

As 1000 ml = 1L

1 ml = $\frac{1}{1000}$ L

$$\text{So } 1025 \text{ ml} = (1025 \div 1000) \text{ L}$$

$$= 1 \text{ L } 25 \text{ ml}$$

$$\text{Ans. } 1025 \text{ ml} = 1 \text{ L } 25 \text{ ml}$$

6. 90075 ml

$$\text{As } 1000 \text{ ml} = 1 \text{ L}$$

$$1 \text{ ml} = \frac{1}{1000} \text{ L}$$

$$90075 \text{ ml} = (90075 \div 1000) \text{ L}$$

$$= 90 \text{ L } 75 \text{ ml}$$

$$= 90 \text{ L } 75 \text{ ml}$$

$$\text{Ans. } 90075 \text{ ml} = 90 \text{ L } 75 \text{ ml}$$

C. SOLVE :-

1. Quantity of water Aman drank = 250 ml

Quantity of water Rohit drank = 175 ml

$$\text{Total quantity of water they both drank} = 250 \text{ ml} + 175 \text{ ml}$$
$$= 425 \text{ ml}$$

Ans. They drank 425 ml water in all.

2. Quantity of milk grandfather gave to the dog = 350 ml

Quantity of milk he gave to the cat = 175 ml

$$\text{Total quantity of milk he gave} = 350 \text{ ml} + 175 \text{ ml}$$
$$= 525 \text{ ml}$$

Quantity of milk grandfathers have = 1L

Required quantity of milk left = 1L - 525ml

$$= 1000 \text{ ml} - 525 \text{ ml}$$

$$= 475 \text{ ml}$$

Ans. 475ml milk was left.

3. Capacity of a vessel = $1\frac{1}{2}$ L

$$= 1 \text{ L} + \frac{1}{2} \text{ L} = 1000 \text{ ml} + 500 \text{ ml}$$

$$= 1500 \text{ ml}$$

Quantity of milk poured once = $\frac{1}{2}$ L = 500ml

Required number of times = $1500 \div 500$

$$= 3$$

Ans. Three times $\frac{1}{2}$ L milk can be poured in a vessel which hold $1\frac{1}{2}$ L milk.

4. Capacity of a bottle = $\frac{1}{2}$ L = 500ml.

Capacity of a spoon = 10ml

Required number of teaspoons = $500 \div 10 = 50$

Ans. Fifty teaspoons of honey will be needed to fill a $\frac{1}{2}$ L bottle with honey.

5. Quantity of sauce was bought = 200 ml

Number of children shared equally = 10

Quantity of sauce each child will get = $(200 \div 10)$ ml
= 20 ml

Ans. Each child got 20 ml of sauce.

Capacity of a soup mug = 250 ml

Number of soup mug = 6

Quantity of soup in 6 mugs = (250×6) ml
= 1500 ml = 1 L 500 ml

Ans. 1 L 500 ml of soup was poured.