

Class Notes	
Class: 4	Topic: Chapter - 7
Subject: Mathematics	JUGS AND MUGS

Copy the content in your Maths Notebook

Word problems –

Q.1 Arjun had 1 litre of Limca, Anu had 2l 500ml of Frooti and Aman had 5l 750ml of Coke. Find the total amount of the cold drink.

$$\begin{array}{r}
 \text{Sol..: Arjun had} = 1 \quad \text{000 of Limca} \\
 \text{Anu had} = + 2 \quad \text{500 of Frooti} \\
 \text{Aman had} = + 5 \quad \text{750 of Coke.} \\
 \hline
 \quad \quad \quad 9 \quad \text{250}
 \end{array}$$

Total cold drink = 9 / 250 ml.

Q.2 Yusuf runs a tea-stall. For making 1 cup of tea, he uses 20 ml of milk. How much milk will be needed to make 100 cup of teas?

$$\begin{array}{l}
 \text{Sol.: Milk used for 1 cup of tea} = 20 \text{ ml} \\
 \therefore \text{milk used for 100 cup of tea} = 100 \times 20 = 2000 \text{ml or 2 litre}
 \end{array}$$

Ans: Milk needed for 100 cup of tea = 2 l or 2000ml

Q.3. Amina's bottle holds 1 litre of water, she drank 250ml from it and her friend Gopal drank 175 ml. Find the amount of water left?

$$\begin{array}{l}
 \text{Sol.: Total water consumed =} \\
 \text{Amina drank} = 250 \text{ ml} \\
 \text{Gopal drank} = + 175 \text{ ml} \\
 \hline
 \quad \quad \quad \text{425 m} \\
 \text{Total quantity of water} = 1000 \text{ ml}_ (1 \text{ litre} = 1000 \text{ml}) \\
 \text{Total water consumed} = - 425 \text{ ml} \\
 \hline
 \quad \quad \quad \text{575 ml}
 \end{array}$$

Ans.: Water left = 575 ml

Q.4 Radha's grandmother was ill. The doctor gave her a bottle with 200ml of medicine. She has to take the medicine every morning for 10 days. How many millilitres of medicine does she have to take every morning?

Sol.: Quantity of medicine for 10 days = 200 ml
∴ Quantity of medicine for 1 day = $200 \div 10 = 20$ ml

Ans.: She needs to take 20ml every day.

Q.5 Neetu has to take 3 injections in a day for 5 days. Quantity of medicine in 1 injection is 5 ml. Find out the following –

- How much medicine will she need for one day?
- How much medicine is needed in all for 5 days?

Sol.: a) Quantity of medicine in 1 injection = 5 ml
∴ Quantity of medicine in 3 injections = $5 \times 3 = 15$ ml

Ans.: Quantity of medicine needed in 1 day = 15 ml

b) Medicine required for 1 day = 15 ml
∴ Medicine required for 5 days = $15 \times 5 = 75$ ml

Ans.: Quantity of medicine needed in days = 75 ml

Q.6 Suman filled 4l 350ml of water in a bucket, 2 litre and 600ml of water was used. Find the quantity of water left?

Sol.: Quantity of water in a bucket = 4 l 350ml
Quantity of water of water used = $\begin{array}{r} - 2 \text{ l } 600\text{ml} \\ \hline 1 \text{ l } 750\text{ml} \end{array}$

Ans.: Quantity of water left = 1 litre 750 ml

Q.7 1 litre and 600 ml of juice is poured equally in 8 glasses. Find the quantity of juice in each glass.

Sol.: Total quantity of juice = 1 litre and 600ml or 1600ml

$$\begin{aligned} \text{Number of glasses} &= 8 \\ \therefore \text{Quantity in 1 glass} &= 1600\text{ml} / 8 = 200\text{ml} \end{aligned}$$

Ans.: Each glass contains 200ml of juice.

Q.8 A bottle can hold 200 ml of milk. How many such bottles can be filled from 5 litre of milk?

$$\begin{aligned} \text{Sol.: Quantity of milk} &= 5 \text{ litre or } 5000\text{ml} \\ \text{Capacity of bottle} &= 200\text{ml} \\ \therefore \text{numbers of bottle required} &= \frac{5000}{200} = 50/2 = 25 \end{aligned}$$

Ans.: 25 bottles can be filled from 5 litre of milk.

Q.9 There is a small can of 160ml of hair oil. If there are 259 cans ,find the total quantity of hair oil.

$$\begin{aligned} \text{Sol.: Quantity of hair oil in 1 can} &= 160\text{ml} \\ \therefore \text{Quantity of hair oil in 259 cans} &= 259 \times 160 \\ &= 41,440 \text{ ml or } 41 \text{ litre } 440\text{ml} \end{aligned}$$

Ans.: Total quantity of hair oil is 41,440 ml or 41 litre 440ml

Q.10 A pot can store 15 litre of water. How many times we need to fill the pot, with a mug having a capacity of 250 ml?

$$\begin{aligned} \text{Sol.: Capacity of pot} &= 15 \text{ litre or } 15,000\text{ml} \\ \text{Capacity of mug} &= 250 \text{ ml} \\ \therefore \text{number of times we need to fill the pot} &= \frac{15,000}{250} = 60 \text{ times} \end{aligned}$$

Ans.:We can fill the pot by pouring 60 times from the mug.

The above content has been prepared at home.