



G.D.GOENKA PUBLIC SCHOOL

Subject: Math 5th

Aspect: 15-10-21.Home-Assignment

Chapter No.9 Measurements

Exercise No.4 (Part 9)

Q.No.3).Applying measurements (story sums).

a) Rajiv used 12 mugs of water to have a bath. If the capacity of a mug is 950 ml, how many litres of water did he use?

Sol: Number of mugs of water used for bath = 12

Capacity of the mug = 950 ml

Therefore, total capacity of water used for bath by Rajiv = $950 \text{ ml} \times 12 = 11400 \text{ ml}$

As we know, $1000 \text{ ml} = 1 \text{ litre}$

Then, $11400 \text{ ml} = 11400 \div 1000 \text{ litres} = 11.400 \text{ litres}$

Hence, Rajiv used 11.400 litres of water to have a bath.

b) Ayesha took a shower for 3 minutes. 9550 ml of water runs out of the shower in 1minute. How much water did she use?

Sol: Time taken by Ayesha for shower = 3 minutes

Water runs out of the shower in 1 minute = 9550 ml

Therefore, total water used by Ayesha 3 minutes = $9550 \times 3 \text{ ml} = 28650 \text{ ml}$

As we know, $1000 \text{ ml} = 1 \text{ litre}$

Then, $28650 \text{ ml} = 28650 \div 1000 \text{ litres} = 28.650 \text{ litres}$

Hence, Ayesha used 28.650 litres of water

c) Manu's family buys 1500 ml milk in the morning and 2750 ml in the evening. How many litres of milk do they buy in a day?

Sol: Quantity of milk bought by Manu's family in the morning = 1500 ml

Quantity of milk bought by Manu's family in the evening = 2750 ml

Therefore, total milk bought in a day = $1500 \text{ ml} + 2750 \text{ ml} = 4250 \text{ ml}$

As we know, $1000 \text{ ml} = 1 \text{ litre}$

Then, $4250 \text{ ml} = 4250 \div 1000 \text{ litres} = 4.250 \text{ litres}$

Hence, Manu's family bought 4.250 litres of milk in a day.

d) A car petrol tank has a capacity of 55.75 l. 10 l 225 ml Petrol is filled into it. How much more petrol is needed to fill the tank completely?

Sol: Capacity of petrol tank of a car = 55.75 l

Petrol filled into the tank = 10 l 225 ml = 10.225 l

Therefore, amount of petrol needed to fill the tank completely

$$= 55.75 \text{ l} - 10.225 \text{ l} = 44.525 \text{ l}$$

$$= 44 \text{ l } 525 \text{ ml}$$

Hence, 44 l 525 ml more

petrol is needed to fill the tank completely.

Note: Exercise No.4 (To be done in the notebook, page No.157)

Maths Speed: (Skill Sheet No.58; Q.No.13, 14, 16, 18; Page No.58)