Tender Heart High School, Sec-33B, Chandigarh

Class - V
Subject - Mathematics

Date - 13.01.2025
Teacher - Ms. Sushma

Chapter - 11
Measurement Ex 11.5

Solve these story sums:-

1. Rashi lives in the pink building on the left. A lift covers 13.44 m from the basement to her house on the fourth floor. Her friend Ganesh lives on the third floor. The lift covers 3.36 m from her floor to Ganesh's. How much distance will the lift cover to reach the basement from Ganesh's floor.

Soln:→ Distance between basement and Rashi's house = 13.44 m
Distance b/w Rashi's house and Ganesh's house = 03.36 m
Distance b/w Ganesh's house and basement = 10.08 m

Ans:- So, Lift will cover 10.08 m to reach the basement from Ganesh's floor.

2. Ravi has a watering can with 5L of water. He uses 3250 mL of water to water plants. What quantity of water is left in the can?

1L = 1000 mL

Soln:- Water in the can = 5L = 5X1000 = 5000 mL
Water used = 3250 mL
Quantity of water left = (5000 - 3250) mL

$$\begin{array}{r} {}^{4}\cancel{5}{}^{10}\cancel{0}0 \\ -\ 3250 \\ \hline 1750 \end{array}$$

So, 1750ml or 1L 750 mL water is left in the can.

Q3. Mandeep weighs 36 kg 500g. Karan weighs 2kg 750g more than Mandeep. How much does Karan weigh?

Soln:- Weight of Mandeep = 36 kg 500 g

" " Karan = 2 kg 750 g + 36 kg 500 g

	kg	g	
=	36	500	
+	02	750	
	38	1250	÷ 1000
+	1	← 1kg 250g	
	39kg	250g	

So, Karan weighs 39kg 250g. Ans.

Q4. Mrs Arora bought 1kg 500g cauliflower, 2kg 250g tomatoes and 2kg 500g potatoes. Find the total mass of the vegetables she has bought.

Soln:- Mass of cauliflower = 1kg 500g

" " tomatoes = 2kg 250g 1kg = 1000g

" " potatoes = + 2kg 500g

Total mass = 5kg 1250g ÷ 1000g

+1 ← 1kg 250g

6kg 250g

So, the mass of all vegetables is 6kg 250g

Exercise 11.6

A. Multiply

1. 89m 33cm by 8

1m = 100cm

89m 33cm = 89 × 100 + 33
= 8900 + 33
= 8933 cm

Now

$$\begin{array}{r} 8933 \\ \times \quad 8 \\ \hline 71464 \end{array}$$

= 71464 cm ÷ 100
= 714m 64cm Ans.

2. 14L 650mL by 3

1L = 1000mL

= 14 × 1000 + 650
= 14000 + 650
= 14650 mL

$$\begin{array}{r} 14650 \\ \times \quad 3 \\ \hline 43950 \end{array}$$

= 43950 mL ÷ 1000
= 43L 950 mL

3. 12kg 312g by 15

1kg = 1000g

= 12 × 1000 + 312
= 12000 + 312
= 12312 g

$$\begin{array}{r} {\scriptstyle ①①\ \ ①} \\ 12312 \\ \times \quad 15 \\ \hline 61560 \\ 12312\times \\ \hline 184680 \end{array}$$

$= 184680\ g \div 1000$

$= 184\ kg\ 680\ g$

B. Divide.

(i) 28L 608 mL by 8

$= 28.608$ mL by 8

$= 3.576$ mL

$= 3L\ 576$ mL Ans.

$$\begin{array}{r} 3.576 \\ 8\overline{)28.608} \\ -24\downarrow\ \ \ \ \ \ \\ \hline 46\ \ \ \ \ \ \\ -40\ \ \ \ \ \ \downarrow \\ \hline 60\ \ \ \ \ \ \\ -56\ \ \ \ \ \ \downarrow \\ \hline 48\ \ \ \ \ \ \\ -48 \\ \hline 0 \end{array}$$

(ii) 420g 420mg by 12

$= 420.420$ mg by 12

$= 35.035$ mg

$= 35g\ 035mg$ Ans.

$$\begin{array}{r} 35.035 \\ 12\overline{)420.420} \\ -36\downarrow\ \ \ \ \ \ \ \ \\ \hline 60\ \ \ \ \ \ \ \ \\ -60\ \ \ \ \ \ \ \ \downarrow \\ \hline 042\ \ \ \ \ \ \\ -36\ \ \ \ \ \ \downarrow \\ \hline 60\ \ \ \ \ \ \\ -60 \\ \hline 0 \end{array}$$

Exercise 11.7

Solve these story sums.

1. A tailor uses 6m 25 cm of cloth to stitch a skirt. What will be the length of cloth needed to stitch 7 such skirts?

Soln:- Length of cloth required to stitch 1 shirt = 6m 25 cm
" " " " " 7 " = 6m 25 cm ×7

= 6m 25 cm
= 6 × 100 + 25
= 600 + 25
= 625 cm × 7
= 4375 cm
= 43m 75 cm

(2) (3)
625
× 7
4375

So, 43m 75 cm long cloth is required to stitch 7 shirts.

2. A glass can hold 50mL of milk. Find the number of glasses that can hold 2L of milk.

Soln:- Capacity of a glass = 50 mL
No. of glasses required to fill 2 L (2000mL) of milk = 2000 mL ÷ 50 mL
= 40

So, 40 glasses are required.

3. Grandpa walks 750m everyday. How many Kilometres will he walk in a week?

Soln:→ 1 week = 7 days.
Distance covered everyday = 750 m
" " in 7 days = 750 × 7 = 5250 m

$= 5250 \div 1000$ $\quad 1\text{km} = 1000\text{m}$

$= 5\text{ km } 250\text{ m}$

or 5.25 km.

So., Grandpa will walk 5.25 km in a week.

4. A cat laps up 250mL of milk at a time. How many times can the cat be fed with $1\frac{1}{2}$ L of milk?

Soln:- Milk fed to a cat at a time = 250mL

No. of times the cat can be fed with $1\frac{1}{2}$ L of milk = $1\frac{1}{2}\text{ L} \div 250$

$= 1\times100 + 500 \div 250$

$= 1500\text{mL} \div 250\text{mL}$

$= 6$ times.

So, A cat can be fed for 6 times with $1\frac{1}{2}$ L of milk.