Tender Heart High School, Sec-33B, Chd

Class - IV
Subject - Mathematics

Date - 21.10.24
Teacher - Ms. Sushma

Ex 9.4

Q1. Convert to millilitres :-

1. 6 L

$1\ L = 1000\ mL$

$6\ L = 6 \times 1000 = 6000\ mL$

2. 15 L

$15\ L = 15 \times 1000 = 15000\ mL$

3. $2\ L\ 950\ mL = (2 \times 1000 + 950)\ mL$
$= (2000 + 950)\ mL$
$= 2950\ mL$

4. $9\ L\ 250\ mL = (9 \times 1000 + 250)\ mL$
$= (9000 + 250)\ mL$
$= 9250\ mL$

5. $24\ L\ 750\ mL = 24 \times 1000 + 750$
$= 24000 + 750$
$= 24750\ mL$

6. $55\ L\ 500\ mL = 55 \times 1000 + 500\ mL$
$= (55000 + 500)\ mL = 55500\ mL$

B. Convert to litres.

1. 4000 mL
4000 ÷ 1000 = 4L

2. 9000 mL
9000 ÷ 1000 = 9L

3. 14000 mL
14000 ÷ 1000 = 14L

4. 63000 mL
63000 ÷ 1000 = 63L

C. Convert to litres and millilitres.

1. 8461 ml
=8461 ÷ 1000
= 8L 461 ml

2. 9500 mL
9500 ÷ 1000
= 9L 500 mL

3. 9125 mL
9125 ÷ 1000
= 9L 125 mL.

4. 15750 mL
15750 ÷ 1000
= 15L 750 mL

5. 21025 mL
21025 ÷ 1000
= 21 L 025 mL

6. 30075 mL
30075 ÷ 1000
30L 075 mL

7. 41305 mL
41305 ÷ 1000
41 L 305 mL

D. Solve these story sums.

1. A man drinks 3250 mL of water daily. How much is this in litres and millilitres?

Soln:→ Water a man drinks in a day = 3250 mL
= 3250 ÷ 1000
= 3L 250 mL.

2. A water tank has 309 L of water. How much is this in millilitres?

Soln:→ Water in a water tank = 309 L
= 309 X 1000
= 309000 mL

Exercise 9.5

A. Add.

1.

m	cm
① ①	①
219	36
+ 187	49
406	85

2.

km	m
	①
654	752
+ 21	076
675	828

3.

kg	g
	① ①
321	156
+ 217	075
538	231

4.

L	mL
①	
223	130
+ 584	149
807	279

B. Arrange in columns and add.

1. 182 kg 250 g + 322 kg 450 g + 98 kg 915 g

kg	g
② ① ①	①
182	250
322	450
+ 098	915
603	615

2. 235 L 360 mL + 128 L 420 mL + 210 L 50 ml

L	mL
①	①
235	360
128	420
+ 210	050
573	830

Exercise 9.6

A. Subtract.

1.

Km	m
8	16 12
139	~~0~~ 12
- 100	218
038	854

2.

kg	g
1 13 7	10 11 15
2 ~~3~~ 8	1 ~~2~~ ~~5~~
- 0 96	878
141	247

B. Subtract

1. 118 m 75cm from 310 m 53 cm

m	cm
2 10 9	14 13
~~3~~ 1 ~~0~~	~~5~~ ~~3~~
- 118	75
191	78

2. 571 km 296m from 892 km

km	m
1	9 9 10
892	~~0~~ ~~0~~ ~~0~~
- 571	296
320	704

C. Find the difference between.

1.

	Km	m
	527	66
−	450	00
	077	66

2.

	kg	g
	882	158
−	628	231
	253	927

Exercise 9.7

Solve these story sums.

1. A train covers 75 km 265 m in the first hour and 78 km 486 m in the second hour. Find the total distance covered by the train in these two hours.

Soln:-

	Km	m
Distance covered in the first hour =	75	265
Distance covered in the 2nd hour = +	78	486
Total distance covered by the train =	153	751

2. A van is carrying 265 kg 750 g of potatoes and 138 kg 450 g of onions. Find the total mass of the potatoes and onions.

Soln:→

	kg	g
Amount of potatoes =	265	750
Amount of onions = +	138	450
Total mass of the potatoes and onions =	404	200

3. Sanaya bought 105 m of rope. She used 53 m 40 cm. Find the remaining length of the rope.

Soln:→ Length of the rope = 105 m 00 cm
Length of the rope used = − 053 m 40 cm
Length of the rope left = 051 m 60 cm

4. A drum full of rice weighs 316 Kg 230 g. The mass of the empty drum is 21 Kg 765 g. Find the mass of the rice in the drum.

Soln:→ Weight of a drum full of rice = 316 Kg 230 g
Mass of the empty drum = − 021 Kg 765 g
Mass of the rice = 294 Kg 465 g

5. My water bottle had 2 L of water. I drank 775 mL. How much water was left in the bottle?

Soln:→ Water in the water bottle = 2 L 000 mL
Water drank = − 0 L 775 mL
Water left in the bottle = 1 L 225 mL

Exercise 9.8

A. Multiply

1. 100m by 5
$100\,m \times 5 = 500\,m$

2. 8 cm by 15 =
$8\,cm \times 15 = 120\,cm$

3. 200mL by 25
$200 \times 25 = 5000\,mL$

B. Divide

1. $100\ m \div 20 = 5\ m$

2. $750\ km \div 3 = 250\ km$

3. $30\ cm \div 10 = 3\ cm$

4. $1\ kg \div 4 = 1000\ g \div 4 = 250\ g$

Exercise 9.9.

Solve these story sums.

1. The circular track is half a kilometre long. If Kunal took 4 rounds of it, how many kilometres did he run?

Soln:→ Length of a circular track $= \frac{1}{2}\ km = 500\ m$

Length of 4 rounds $= 500 \times 4 = 2000\ m$

$= 2\ km.$

2. The teacher distributed 3750 mL of lemonade equally among 25 students of class 4A. How much lemonade did each student get?

Soln:→ Total quantity of lemonade = 3750mL

No. of students = 25

quantity of lemonade each child get $= 3750 \div 25$

$= 150\ mL$

$$
\begin{array}{r}
150 \\
25\overline{)3750} \\
-25\downarrow \\
\hline
125 \\
-125\downarrow \\
\hline
00 \\
-0 \\
\hline
0
\end{array}
$$

3. The mass of 1 lemon used in the lemon race is 57g. What is the mass of 38 such lemons?

Soln:→ The mass of 1 lemon = 57g
Mass of 38 lemons = 57 × 38
= 2166 g

$$\begin{array}{r} 57 \\ \times\ 38 \\ \hline 456 \\ 171\ \times \\ \hline 2166 \end{array}$$

4. Shweta had bought 2m 50cm of coloured paper for making flags. How many flags did she make if one flag was made from 50cm of the paper?

Soln:→ Length of the paper = 2m 50cm = 2×100+50
= 200+50
= 250cm

Paper required for 1 flag = 50cm
No. of flags = 250 ÷ 50
= 5

5. A water bottle can hold 1200mL of water. What is the capacity of 8 such bottles?

Soln:→ Capacity of a water bottle = 1200mL
Capacity of 8 such water bottles = 1200×8
= 9600 mL

6. Mala's mother has bought ice creams for Mala and her friends. If the mass of 1 ice cream is 135g, what is the mass of 12 such ice creams?

Soln:→ Mass of 1 ice cream = 135g
Mass of 12 ice cream = 135×12 = 1620g

$$\begin{array}{r} 135 \\ \times\ 12 \\ \hline 270 \\ 135\ \times \\ \hline 1620 \end{array}$$