Chapter- 16

Measurement

WORKSHEET

A. FILL IN THE BLANKS:

1. The standard unit of measuring mass is __gram__ .

2. 50 hm = __5000__ m.

3. To convert a higher unit to lower unit we __multiply__ by 10, 100 or 1000.

4. 9. 015 kg can be written as __9015__ g.

5. 0. 375 L = __375__ mL

B. DO AS DIRECTED:

1. Multiply 159 g by 8 and write the answer in kg.

Ans.

$$
\begin{array}{r}
\overset{(4)}{1}\overset{(7)}{5}\,9 \\
\times\ 8 \\
\hline
1\,2\,7\,2\ g
\end{array}
$$

$$= 1.272 \ kg$$

2. Find by how much 36.594 kg is less than 123 kg?

Ans.

$$
\begin{array}{r}
\overset{(0)}{1}\overset{(11)}{2}\overset{(12)}{3}.\overset{(9)}{0}\overset{(9)}{0}\overset{(10)}{0} \\
3\,6\,.5\,9\,4 \\
\hline
8\,6\,.4\,0\,6\ kg
\end{array}
$$

C. SOLVE THE WORD PROBLEMS

1. A box of frozen vegetables weighing 144 kg 780 g was delivered at a grocery shop. If there were 15 packets of equal weight inside the box, what was the weight of each packet?

Ans. Total weight of frozen veg = 144 Kg 780 g

Number of packets = 15

Weight of each packet = 144.780 ÷ 15 Kg

$$
\begin{array}{r}
9.652 \\
15\overline{)144.780} \\
-135 \\
\hline
97 \\
-90 \\
\hline
78 \\
-75 \\
\hline
30 \\
-30 \\
\hline
0
\end{array}
$$

So, weight of each packet = 9.652 Kg

2. Joy stays in Kalarahanga. His mother drops him to school every day by travelling a distance of 4 km 325 m. One day his mother's friend Mrs. Lisa visited their house. After a while they came to know that her daughter Anna also studies in Joy's school. Then they decided to do carpooling. Joy's mother has to travel 2 km 075 m more to drop the children to school.
   a. How much distance will Joy's mother travel to drop the children to the school
   b. Write any 3 advantages of carpooling.

Ans. Distance from Joy's house to school = 4 km 325 m = 4.325 Km
Additional distance Joy's mother has to travel to drop children to school 2 km 075 m = 2.075 km

The distance Joy's mother has to travel to drop children

$$
\begin{array}{r}
4.325 \text{ Km} \\
+ 2.075 \\
\hline
6.400 \text{ Km}
\end{array}
$$

3 Advantages of carpooling
i) It saves petrol
ii) It saves overall time
iii) It makes less pollution as cars are used on alternate days.