

Chapter- 16

Measurement

WORKSHEET

A. FILL IN THE BLANKS:

- The standard unit of measuring mass is gram.
- 50 hm = 5000 m.
- To convert a higher unit to lower unit we divide. Multiply by 10, 100 or 1000.
- 9.015 kg can be written as 9015 g.
- 0.375 L = 375 mL

B. DO AS DIRECTED:

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

Ans.

$$\begin{array}{r} 47 \\ 159 \\ \times 8 \\ \hline 1272 \end{array}$$

$$1272 \div 1000 = 1.272 \text{ kg}$$

- Find by how much 36.594 g is less than 123 kg?

Ans.

$$\begin{array}{r} 123000.000 \\ - 36.594 \\ \hline 122963.406 \end{array}$$

C. SOLVE THE WORD PROBLEMS

1. A box of frozen vegetables weighing $144\text{ kg } 780\text{ g}$ 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. ~~780g~~ Weight of the vegetable box = $144\text{ kg } 780\text{ g}$

No. of packets kept in box equally = 15

The total weight of each packet is = $780 \div 1000 = 0.780\text{ kg}$
 $= 144.780\text{ kg}$

$$\frac{144.780}{15} = 9.652\text{ kg}$$

\therefore So, each packet weighs 9.652 kg

2. Joy stays in Kalarahanga. His mother drops him to school every day by travelling a distance of $4\text{ km } 325\text{ m}$. 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 $2\text{ km } 075\text{ m}$ more to drop the children to school.

- How much distance will Joy's mother travel to drop the children to the school?
- Write any 3 advantages of carpooling.

Ans. Distance from house to school = 4.325 km

More distance need to travel = 2.075 km

Distance traveled by joy's mother to drop the children to school = $4.325 - 2.075 = 2.250$

\therefore Joy's mother need to travel 2.250 more to drop the children to school