Class-5

Subject-Mathematics

Chapter-11

Measurement

Lecture-4

Solution

Exercise (Do yourself)

a) Latif went to a market, and bought 3.5kg of rice, 8hg of vegetables and 2400g of meat. How many kilograms of items did he buy?

b) A book weighs 124g. How many kilograms will be if there are 80 books?

c) There are 8 people and their total weight is 451.2kg. What is the average weight in hectogram of these 8 people?

Solution:

a)

Here, rice = 3.5kg

Vegetables = 8hg = (8 ÷ 10) kg [∵ 1hg = $\frac{1}{10}$ kg]

$\qquad$ = 0.8 kg

Meat = 2400g = (2400 ÷ 1000) kg [∵ 1 g = $\frac{1}{1000}$ kg]

$\qquad$ = 2.4kg

Rough

$$
\begin{array}{r}
3.5 \\
0.8 \\
+\ 2.4 \\
\hline
6.7
\end{array}
$$

∴ He bought in total = (3.5 + 0.8 + 2.4) kg

= 6.7kg

Ans: 6.7kg.

b)

1 book weighs = 124g

∴ 80 book weigh = (124 × 80) g

= 9920g

= (9920 ÷ 1000) kg [∵ 1 g = $\frac{1}{1000}$ kg]

= 9.92kg

Ans: 9.92kg.

c)

Here, the weight of 8 persons = 451.2kg

∴ There average weight = (451.2 ÷ 8) kg

= 56.4kg

= (56.4 × 10) hg [∵1kg = 10hg]

= 564hg

Ans: 564hg.

Average = $\frac{\text{sum of elements}}{\text{Number of elements}}$

$$
\begin{array}{r}
56.4 \\
8\ \overline{)\ 451.2} \\
40 \\
\hline
51 \\
48 \\
\hline
32 \\
32 \\
\hline
0
\end{array}
$$