

Class = III

Ch = 8

Weight

### Let US RECALL

Fill in the blanks:

1. Standard units of weight is kilogram. It is represented by kg.
2. To measure smaller weights we use gram. It is represented by g.
3. If a kilogram is divided into 1000 equal parts, then each part is gram.

We say 1000 g = 1 kg or 1 kg = 1000 g.



### EXERCISE 8.1

Fill in the blanks:

- |                          |                          |
|--------------------------|--------------------------|
| 1. 5 kg = <u>5000</u> g  | 2. 2 kg = <u>2000</u> g  |
| 3. 4 kg = <u>4000</u> g  | 4. 7 kg = <u>7000</u> g  |
| 5. 9 kg = <u>9000</u> g  | 6. 8 kg = <u>8000</u> g  |
| 7. 4000 g = <u>4</u> kg  | 8. 8000 g = <u>8</u> kg  |
| 9. 2000 g = <u>2</u> kg  | 10. 3000 g = <u>3</u> kg |
| 11. 6000 g = <u>6</u> kg | 12. 5000 g = <u>5</u> kg |



## EXERCISE 8.2

1. Add:

$$\begin{array}{r} \text{(a)} \quad 228 \text{ g} \\ + 552 \text{ g} \\ \hline 780 \text{ g} \end{array}$$

$$\begin{array}{r} \text{(b)} \quad 651 \text{ g} \\ + 179 \text{ g} \\ \hline 830 \text{ g} \end{array}$$

$$\begin{array}{r} \text{(c)} \quad 7891 \text{ kg} \\ + 2086 \text{ kg} \\ \hline 9977 \text{ kg} \end{array}$$

$$\begin{array}{r} \text{(d)} \quad 1792 \text{ kg} \\ + 2198 \text{ kg} \\ \hline 3990 \text{ kg} \end{array}$$

Subtract:

$$\begin{array}{r} \text{(a)} \quad 643 \text{ g} \\ - 394 \text{ g} \\ \hline 249 \text{ g} \end{array}$$

$$\begin{array}{r} \text{(b)} \quad 672 \text{ g} \\ - 273 \text{ g} \\ \hline 399 \text{ g} \end{array}$$

$$\begin{array}{r} \text{(c)} \quad 8976 \text{ kg} \\ - 4918 \text{ kg} \\ \hline 4058 \text{ kg} \end{array}$$

$$\begin{array}{r} \text{(d)} \quad 8382 \text{ kg} \\ - 5561 \text{ kg} \\ \hline 2821 \text{ kg} \end{array}$$

Multiply:

(a) 177 g

× 11

$$\begin{array}{r} 177 \\ 177 \times \\ \hline 1947 \end{array} \text{g}$$

(b)

328 g

× 12

$$\begin{array}{r} 656 \\ 328 \times \\ \hline 3936 \end{array} \text{g}$$

(c) 462 kg

× 13

$$\begin{array}{r} 1386 \\ 462 \times \\ \hline 6006 \end{array} \text{kg}$$

(d)

713 kg

× 14

$$\begin{array}{r} 2852 \\ 713 \times \\ \hline 9982 \end{array} \text{kg}$$

4. Divide:

(a) 5751 g by 9

$$\begin{array}{r} 639 \\ 9 \overline{) 5751} \\ \underline{-54} \phantom{00} \\ 035 \phantom{0} \\ \underline{-27} \phantom{00} \\ 081 \phantom{0} \\ \underline{-81} \phantom{00} \\ 00 \end{array}$$

(b) 7596 g by 12

$$\begin{array}{r} 633 \\ 12 \overline{) 7596} \\ \underline{-72} \phantom{00} \\ 039 \phantom{0} \\ \underline{-36} \phantom{00} \\ 036 \phantom{0} \\ \underline{-36} \phantom{00} \\ 00 \end{array}$$

(c) 7545 kg by 15

$$\begin{array}{r} 503 \\ 15 \overline{) 7545} \\ \underline{75} \phantom{00} \\ 0045 \phantom{0} \\ \underline{-45} \phantom{00} \\ 00 \end{array}$$



## EXERCISE 8.3

1. A granary had 4512 kg of corn. What quantity of corn will it contain if 2942 kg more is added to it?

Weight of corn a granary had = 4512 Kg  
Weight of corn more added = 2942 Kg  
Quantity of corn now = 7454 Kg

Hence, the quantity of corn will 7454 Kg

2. A warehouse has 4925 kg of sugar. Out of this 2232 kg was supplied to ration shops. What quantity of sugar is left in the warehouse now?

Weight of sugar a warehouse has = 4925 Kg  
Weight of sugar was supplied to ration shops = 2232 Kg  
Quantity of sugar left in warehouse = 2693 Kg

Hence 2639 Kg of sugar is left in the warehouse.

3. A bag has 210 g of turmeric powder. What quantity of turmeric powder will 12 such bags contain?

Weight of turmeric powder = 210 g  
Number of bags = 12  
Total weight of turmeric powder = 420  
Hence, 2520 g of turmeric powder will 12 such bags contain. [2520] g

4. A store has 5070 kg of wheat. This is to be equally distributed into 13 parts. What quantity of wheat for each part?

Weight of wheat a store has = 5070 Kg  
Parts of wheat equally distributed = 13  
Quantity of wheat for each part =  $5070 \div 13$   
= 390 Kg

Hence, 390 Kg of wheat for each part.



# REVIEW EXERCISE

1. Fill in the blanks:

(a)  $5 \text{ kg} = 5000 \text{ g}$

(b)  $2000 \text{ g} = 2 \text{ kg}$

2. Simplify: (a)

$$\begin{array}{r} 228 \text{ g} \\ + 352 \text{ g} \\ \hline 580 \end{array}$$

(b)

$$\begin{array}{r} 743 \text{ g} \\ - 394 \text{ g} \\ \hline 349 \end{array}$$

(c)

$$\begin{array}{r} 621 \text{ kg} \\ \times 13 \\ \hline 1863 \\ \hline 6210 \\ \hline 8073 \end{array} \text{ kg}$$

3. A vessel has 2512 kg of cement. What quantity of cement will it contain if 4394 kg more is added to it?

Weight of cement a vessel has = 2512 kg  
 Weight of more cement added to it = 4394 kg  
 Total weight of cement now 6906 kg

4. A store has 6925 kg of sugar. Out of this 4250 kg was sold. What quantity of sugar is left in the store now?

Weight of sugar a store has = 6925  
 weight of sugar was sold = -4250  
 Quantity of sugar is left in store now 2675 kg

5. A bag has 155 kg of rice. What quantity of rice will 13 such bags contain?

Weight of rice a bag has = 155 kg  
 Number of bags = 13  
 Total quantity of rice 2015 kg

6. A drum has 5955 kg of washing powder. This washing powder is to be equally distributed into bags of 15 kg each. How many such bags can be made?

Weight of washing powder a drum has = 5955  
 Weight of powder equally distributed into bags = 15  
 Number of bags can be made =  $5955 \div 15$   
 = 397