

## Averages

### Exercise 16:

#### Solution 1:

Number of days from Monday to Saturday = 6

Total attendance of students from Monday to Saturday

$$= 47 + 45 + 44 + 49 + 48 + 43$$

$$= 276$$

$$\therefore \text{The average attendance per day} = \frac{276}{6} = 46$$

Thus, the average attendance per day is 46.

#### Solution 2:

Number of months [January to June] = 6

Total quantity of milk deposited by the milkman from January to June

$$= 83 + 79 + 81 + 85 + 73 + 61$$

$$= 462 \text{ litres}$$

$$\therefore \text{The average quantity of milk deposited per month} = \frac{462}{6} = 77$$

Thus, the average quantity of milk deposited per month = 77 litres

#### Solution 3:

Number of days from Monday to Saturday = 7

Sum of the profit from Monday to Saturday =  $25 + 25 + 30 + 21 + 15 + 22 + 37 = \text{Rs. } 175$

$$\text{The average profit per day} = \frac{175}{7} = \text{Rs. } 25$$

Thus, Rajaram's average profit per day is Rs. 25.

#### Solution 4:

Total number of days given = 5

Total income of the vegetable vendor =  $73 + 79 + 81 + 77 + 75 = \text{Rs. } 385$

$\therefore$  The average daily income =  $\frac{385}{5} = 77$

Thus, the vendor's average daily income is Rs. 77.

#### **Solution 5:**

Given number of sacks = 10

Total weight of the sacks containing sugar

=  $97 + 99 + 98 + 97 + 96 + 95 + 94 + 92 + 98 + 99$

= 965 kg

$\therefore$  Average weight of one sack =  $\frac{965}{10} = 96.5 \text{ kg}$

Thus, the average weight of one sack is 96.5 kg.