Class-5

Subject-Mathematics

Chapter-8 (Average)

Lecture Sheet – 2

Word Problem

Formula: Average = $\dfrac{\text{Sum of quantities}}{\text{Number of quantities}}$

Example – 1: The height of 5 students are as shown in the table below:

Name	Reza	Mina	Siyam	Taslima	Ujwal
Height (cm)	143	144	137	145	140

Find their average height.

Solution:

Sum of quantities = 143+144+137+145+140

= 709

Number of quantities = 5

We Know,

Average = $\dfrac{\text{Sum of quantities}}{\text{Number of quantities}}$

= $\dfrac{709}{5}$ cm

= 141.8 cm

Ans: 141.8 cm.

Example – 2: The weight of 6 books is 924 g. Find the average weight of these books.

Solution: Given,

Sum of quantities = 924 g

Number of quantities = 6

We Know,

$$\text{Average} = \frac{\text{Sum of quantities}}{\text{Number of quantities}}$$

$$= \frac{924}{6} \text{ g}$$

$$= 154 \text{ g}$$

Ans: 154 g.

Exercise

1. Find the average of the following quantities:

   a) 96 m, 78 m, 89 m, 73 m, 80 m, 82 m.

   b) 520 kg, 640 kg, 586 kg, 572 kg, 605 kg.

2. The weights of eight eggs are as follows:

   54 g, 56 g, 55 g, 58 g, 57 g, 50 g, 53 g, 51 g.

   Find the average weight of these eight eggs.

3. The table below shows the amount of milk taken from one cow:

Day	Sat	Sun	Mon	Tue	Wed	Thu	Fri
Milk (litre)	13	16	15	13	17	14	17

Find the average amount of milk that this cow gives one day.