Cosmo School

Class-5

Subject-Mathematics

Chapter-8 (Average)

Lecture Sheet – 3 (Solution)

Exercise

1. Reza recorded the time for his home study from Saturday to Thursday last week, and made the following table:

Day	Sat	Sun	Mon	Tue	Wed	Thu
Hour	2	1.5	1	1.5	1	2

How many hours a day in average did he study at home?

2. The following table shows the mathematics test scores of Group A and Group B students. The number of students in Group A is 5 and Group B is 3.

Group A	59	67	92	80	85
Group B	82	78	65		

Find the average score of all the students in Group A and Group B.

3. The teacher divided the students in the class into the boy group ad girl group, and told them to calculate the average number of family members in each group. Then the students made the table as shown below:

	Number of students	Average number of family members
Boy group	18	4.5
Girl group	12	5.3

Find the average number of family members in the whole class.

Solution:

1. Sum of quantities = (2+1.5+1+1.5+1+2) hours

$$= 9$$

Number of quantities = 6

We Know,

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

$$= \frac{9}{6} \text{ hours}$$

$$= 1.5 \text{ hours}$$

Ans : 1.5 Hours.

2.0
1.5
1.0
1.5
1.0
+2.0
9.0

2. Total marks of all the students in group A and group B

$$= 59+67+92+80+85+82+78+65$$

$$= 608$$

Total number of students in group A and group B = 5+3 = 8

∴ Average marks of these eight students = 608 ÷ 8 = 76

Ans : 76.

3. For boy group,

Number of students = 18

Average number of family members = 4.5

∴ The total number of family members = 18 × 4.5

= 81

For girl group,

Number of students = 12

Average number of family members = 5.3

∴ The total number of family members = 12 × 5.3

= 63.6

∴ The total number of family members of boy group and girl group

= 81+63.6

= 144.6

∴ The total number of students = 18+12 = 30

∴ The average number of family members of boy group and girl group

= 144.6 ÷ 30

= 4.82

Ans : 4.82.