



SACRED HEART SCHOOL

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Website: <http://www.sacredheartkoderma.org/>

Maths

Class – VII



EXERCISE 3.1

- Find the range of heights of any ten students of your class.
- Organise the following marks in a class assessment, in a tabular form.
4, 6, 7, 5, 3, 5, 4, 5, 2, 6, 2, 5, 1, 9, 6, 5, 8, 4, 6, 7
 - Which number is the highest?
 - Which number is the lowest?
 - What is the range of the data?
 - Find the arithmetic mean.
- Find the mean of the first five whole numbers.
- A cricketer scores the following runs in eight innings:
58, 76, 40, 35, 46, 45, 0, 100.
Find the mean score.

5. Following table shows the points of each player scored in four games:

| Player | Game 1 | Game 2 | Game 3 | Game 4 |
|--------|--------|--------|--------------|--------|
| A | 14 | 16 | 10 | 10 |
| B | 0 | 8 | 6 | 4 |
| C | 8 | 11 | Did not Play | 13 |

Now answer the following questions:

- Find the mean to determine A's average number of points scored per game.
 - To find the mean number of points per game for C, would you divide the total points by 3 or by 4? Why?
 - B played in all the four games. How would you find the mean?
 - Who is the best performer?
6. The marks (out of 100) obtained by a group of students in a science test are 85, 76, 90, 85, 39, 48, 56, 95, 81 and 75. Find the:
- Highest and the lowest marks obtained by the students.
 - Range of the marks obtained.
 - Mean marks obtained by the group.
7. The enrolment in a school during six consecutive years was as follows:
1555, 1670, 1750, 2013, 2540, 2820
Find the mean enrolment of the school for this period.

8. The rainfall (in mm) in a city on 7 days of a certain week was recorded as follows:

| Day | Mon | Tue | Wed | Thurs | Fri | Sat | Sun |
|------------------|-----|------|-----|-------|------|-----|-----|
| Rainfall (in mm) | 0.0 | 12.2 | 2.1 | 0.0 | 20.5 | 5.5 | 1.0 |

- Find the range of the rainfall in the above data.
 - Find the mean rainfall for the week.
 - On how many days was the rainfall less than the mean rainfall.
9. The heights of 10 girls were measured in cm and the results are as follows:
135, 150, 139, 128, 151, 132, 146, 149, 143, 141.
- What is the height of the tallest girl? (ii) What is the height of the shortest girl?
 - What is the range of the data? (iv) What is the mean height of the girls?
 - How many girls have heights more than the mean height.

