RS Aggarwal Solutions for Class 8 Maths Chapter 21 Exercise 21.1 Data Handling: RS Aggarwal Solutions for Class 8 Maths Chapter 21 Exercise 21.1 on Data Handling provide a detailed approach to understanding and solving problems related to data interpretation and analysis. This exercise focuses on various methods of data representation including frequency tables and bar graphs allowing students to organize and analyze data efficiently.

The solutions provide step-by-step guidance on constructing frequency tables, calculating mean, median, and mode and interpreting graphical representations. By working through these solutions students will develop a solid grasp of data handling concepts which are important for making informed decisions based on statistical information.

RS Aggarwal Solutions for Class 8 Maths Chapter 21 Exercise 21.1 Data Handling Overview

RS Aggarwal Solutions for Class 8 Maths Chapter 21 Exercise 21.1 on Data Handling provide a comprehensive overview of fundamental concepts in data representation and analysis. This exercise focuses on organizing and interpreting data through frequency tables and bar graphs.

Students learn how to create frequency tables to summarize data efficiently, calculate measures of central tendency like mean, median, and mode, and use bar graphs to visualize data trends. The solutions guide students through each problem step-by-step, ensuring a clear understanding of how to manage and interpret data.

RS Aggarwal Solutions for Class 8 Maths Chapter 21 Exercise 21.1 Data Handling PDF

RS Aggarwal Solutions for Class 8 Maths Chapter 21 Exercise 21.1 on Data Handling provide a detailed guide to mastering data organization and interpretation skills. This exercise focuses on creating and interpreting frequency tables and bar graphs.

The step-by-step solutions included help students understand how to summarize data, calculate key statistical measures, and visualize information effectively. For a detailed understanding and easy reference you can download the PDF version of the solutions using the link below.

RS Aggarwal Solutions for Class 8 Maths Chapter 21 Exercise 21.1 Data Handling PDF

RS Aggarwal Solutions for Class 8 Maths Chapter 21 Exercise 21.1 Data Handling

Below we have provided RS Aggarwal Solutions for Class 8 Maths Chapter 21 Exercise 21.1 Data Handling -

(Question 1) The number of members in 20 families are given below:

4, 6, 5, 5, 4, 6, 3, 3, 5, 5, 3, 5, 4, 4, 6, 7, 3, 5, 5, 7

Prepare a frequency distribution of the data.

Solution: Arrange the data in ascending order, we get the observations as

3, 3, 3, 3, 4, 4, 4, 4, 5, 5, 5, 5, 5, 5, 5, 6, 6, 6, 7, 7

We find that

3 occurs 4 times

4 occurs 4 times

5 occurs 7 times

6 occurs 3 times

7 occurs 2 times

Number of the members	Tally marks	Number of families (frequency)
3	||||	4
4	||||	4
5	̶H̶H̶L̶ ||	7
6	|||	3
7	||	2

(Question 2) A dice was thrown 30 times and the following outcomes were noted:

2, 1, 2, 4, 6, 1, 2, 3, 6, 5, 4, 4, 3, 1, 1, 3, 1, 1, 5, 6, 6, 2, 2, 3, 4, 2, 5, 5, 6, 4

Prepare a frequency table.

Solution: Arrange the data is ascending order, we get the observations as

1, 1, 1, 1, 1, 1, 2, 2, 2, 2, 2, 2, 3, 3, 3, 3, 4, 4, 4, 4, 4, 5, 5, 5, 5, 6, 6, 6, 6, 6
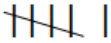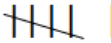
We find that

1 occurs 6 times

2 occurs 6 times

3 occurs 4 times

4 occurs 5 times

5 occurs 4 times

6 occurs 5 times

Number of the Outcome	Tally marks	Number of dice (frequency)
1	⊞Ⅱ I	6
2	⊞Ⅱ I	6
3	||||	4
4	⊞Ⅱ	5
5	||||	4
6	⊞Ⅱ	5

(Question 3) The following data gives the number of children in 40 families:

1, 2, 6, 5, 1, 5, 1, 3, 2, 6, 2, 3, 4, 2, 0, 4, 4, 3, 2, 2, 0, 0, 1, 2, 2, 4, 3, 2, 1, 0, 5, 1, 2, 4, 3, 4, 1, 6, 2, 2.

Represent in the form of a frequency distribution.

Solution: Arrange the data is ascending order, we get the observations as

0, 0, 0, 0, 1, 1, 1, 1, 1, 1, 1, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 3, 3, 3, 3, 3, 4, 4, 4, 4, 4, 4, 5, 5, 5, 6, 6, 6

0 occurs 4 times

1 occurs 7 times

2 occurs 12 times

3 occurs 5 times

4 occurs 6 times

5 occurs 3 times

6 occurs 3 times

Number of the Children	Tally marks	Number of Families (frequency)
0	||||	4
1	⊬⊬⊬ ||	7
2	⊬⊬⊬ ⊬⊬⊬ ||	12
3	⊬⊬⊬	5
4	⊬⊬⊬ |	6
5	|||	3
6	|||	3

Benefits of RS Aggarwal Solutions for Class 8 Maths Chapter 21 Exercise 21.1

- **Enhanced Understanding**: The solutions provide clear, step-by-step explanations for creating and interpreting frequency tables and bar graphs helping students grasp key data handling concepts.
- **Improved Problem-Solving Skills**: By working through the exercises students develop their ability to analyze and represent data accurately, which is essential for solving complex problems.
- **Practice and Preparation**: Regular practice with these solutions prepares students for exams and assessments, boosting their confidence and performance in data handling.
- **Visual Learning**: The inclusion of graphical representations such as bar graphs help in visual learning, making it easier for students to understand and remember data handling methods.