

**BHARATIYA VIDYA BHAVAN'S V.M.PUBLIC SCHOOL
VADODARA**

Date:	WORKSHEET-Data Handling	Subject: Mathematics
Class: VIII	Name of the student:	

Questions on frequency distribution and data analysis:

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 data.

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.

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

Draw a histogram to display the data.

4. The marks obtained by 40 students of a class in an examination are given below:

8, 47, 22, 31, 17, 13, 38, 26, 3, 34, 29, 11, 22, 7, 15, 24, 38, 31, 21, 35, 42, 24, 45, 23, 21, 27, 29, 49, 25, 48, 21, 15, 18, 27, 19, 45, 14, 34, 37, 34 .

Draw a frequency distribution table using proper class interval and hence make a histogram.

5. Draw a histogram for the daily earnings of 50 general stores that are more than 5 years old in a city.

Daily earnings in Rupees	No. of years
10,000---11,000	15
11,000---12,000	20
12,000---13,000	5
13,000---14,000	10

6. A boy spends 8 hours sleeping, 6 hours in school, 6 hours in studying at home and 2 hours in playing and 2 hours in miscellaneous activities. This schedule is to be represented by a pie chart. Find the angles of each sector representing the various activities

7. One card is drawn at random from a pack of 52 playing cards. Find the probability that the card drawn is a red card

8. A die is rolled. Find the probability of getting a number greater than or equal to 5.

9. A bag balls contains 15 red, 12 green and 20 blue balls. One ball is drawn at random. Find the probability that it is a green ball.