

1. Draw a suitable graph for the following dataset.

Favorite Colors	No. of male	No. of female
Black	10	5
Blue	3	7
Red	4	3
White	5	3

2. Answer the following question-
- What is the type of data?
  - Represent the data in a suitable graph

Years	Price of Sugar(Tk)	Price of onion(Tk)
2009	50	50
2010	45	35
2011	60	30
2012	65	50
2013	70	20

3. Represent the data by a pie chart

Profession	no. of students
Banker	12
Teacher	5
Business	10
Lawer	3

4. The income of 52 students are given below.

Income(tk)	No. of students
50-100	8
100-150	11
150-200	10
200-250	20
250-300	3

- Represent the data by
- A histogram and comment

- ii. A frequency polygon (curve) and comment.
- iii. A cumulative frequency polygon(curve)/ogive
- iv. Draw a suitable graph for the above data
- v. How many students (% or proportion) do have income less than 150 Tk?  
Less than 225Tk?
- vi. How many students do have income at least 200 Tk?

5. The age-distribution of 27 students are given below

Age (years)	No. of persons
20-29	3
30-39	10
40-49	12
50-59	2

- i. Represent the data by a histogram and comment
- ii. Represent the data by a frequency polygon(curve) and comment
- iii. Represent the data by a cumulative frequency polygon(curve)/ogive
- iv. Draw a suitable graph for the above data

6. Draw the suitable graphs for the data and comment

Age(years)	No. of Person
15-19	9
20-24	7
25-29	12
30-34	5
35-39	2

7. Compare the sections and comment on them using appropriate graph.

Class Interval	Section 1	Section 2	Section 3
40-50	9.1	4	8.8
50-60	27.3	32	14.7
60-70	36.4	24	14.7
70-80	13.6	20	32.4
80-90	9.1	12	17.6
90-100	4.5	8	11.8

8. A recent study of home technologies reported the number of hours of personal computer usage per week for a sample of 60 persons. Excluded from the study were people who worked out of their home and used the computer as a part of their work.

9.3	5.3	6.3	8.8	6.5	0.6	5.2	6.6	9.3	4.3
6.3	2.1	2.7	0.4	3.7	3.3	1.1	2.7	6.7	6.5
4.3	9.7	7.7	5.2	1.7	8.5	4.2	5.5	5.1	5.6
5.4	4.8	2.1	10.1	1.3	5.6	2.4	2.4	4.7	1.7
2.0	6.7	1.1	6.7	2.2	2.6	9.8	6.4	4.9	5.2
4.5	9.3	7.9	4.6	4.3	4.5	9.2	8.5	6.0	8.1

Show them in Stem and leaf plot.