1. A die was thrown 35 times and the following numbers were obtained:
   5, 1, 4, 2, 3, 2, 6, 6, 1, 4, 2, 5, 4, 5, 3, 6, 1, 5
   2, 6, 2, 5, 4, 1, 3, 2, 1, 4, 1, 6, 2, 6, 3, 3, 3
   Prepare a frequency table for the data.
   Solution:
   From the given data, we have the following table.

Number	Tally marks	Frequency
1	卌		6
2	卌 ||	7
3	卌		6
4	卌	5
5	卌	5
6	卌		6

2. The result of a Mathematics test is as follows:
   80, 90, 70, 80, 80, 60, 80, 70, 90, 65, 100, 60, 70, 60, 70, 85, 65, 70, 70, 85, 90, 60, 65, 80, 60

   Make a frequency table for the above data and answer the following questions:
   (a) What is the maximum marks obtained?
   (b) How many students score less than 75 marks?
   (c) How many students scored 80 marks or above?
   (d) How many students appeared in the test?
   Solution:
   From the above information, we have the following table.

Marks obtained	Tally marks	Frequency
60	卌	5
65					3
70	卌		6
80						5
85				2
90					3
100			1

(a) Maximum marks obtained by a student = 100
(b) 5 + 3 + 6 = 14 students obtained marks less than 75.
(c) 5 + 2 + 3 + 1 = 11 students scored marks 80 or above 80.
(d) Total 25 students were appeared in the test.

3. Mr. Rajan made a pictograph given below to show the number of cars washed at a washing station during three days of a week.

Days	Number of cars washed	One 🚗 = 5 cars
Friday	🚗 🚗 🚗 🚗	
Saturday	🚗 🚗 🚗 🚗 🚗 🚗 🚗 🚗 🚗	
Sunday	🚗 🚗 🚗 🚗 🚗 🚗 🚗	

From the pictograph, find that:
(a) How many cars were washed on
(i) Friday
(ii) Saturday
(iii) Sunday?
(b) On which day the maximum number of cars were washed at the station?
(c) On which day the minimum number of cars were washed at the station?
(d) How many more cars were washed on Saturday than on Friday?
Solution:
(a) (i) On Friday – 4 x 5 = 20 cars
(ii) On Saturday – 9 x 5 = 45 cars
(iii) On Sunday – 7 x 5 = 35 cars.
(b) On Saturday, the maximum number of cars,
i.e., 9 x 5 = 45 were washed at the stations.
(c) On Friday, the minimum number of cars,
i.e., 4 x 5 = 20 were washed on the station.
(d) 45 – 20 = 25 more cars were washed on Saturday than on Friday.

4. Read the pictograph given below and answer the following questions:
Persons employed in one year

Job	Number of persons	Each 👤 = 3000 persons
Private service	👤👤👤👤👤👤	
Government service	👤👤👤👤👤👤👤👤👤👤👤	
Factory service	👤👤👤👤👤👤👤👤👤	

(a) What is the number of persons employed in government service?
(b) How many more person were employed in government service than in private

service?

(c) In which service, were the maximum number of persons employed?

Solution:

(a) Number of persons employed in government service = 10 x 3000 = 30,000

(b) 10 x 3000 − 6 x 3,000 = 30,000 − 18,000 = 12,000 persons were employed more in government service than in private service.

(c) In government service, the maximum number of persons were employed In March

4. In 2012, children for six colonies of Meerut were given pulse polio Drops. The colony wise number of children were as follows:

Colony A	2250
Colony B	1500
Colony C	2000
Colony D	1250
Colony E	1000
Colony F	1500

a) In which colony , minimum number of students were vaccinated?

b) Name the colonies where equal number of students were vaccinated?

c) Find the total number of students vaccinated in all the 6 colonies.