

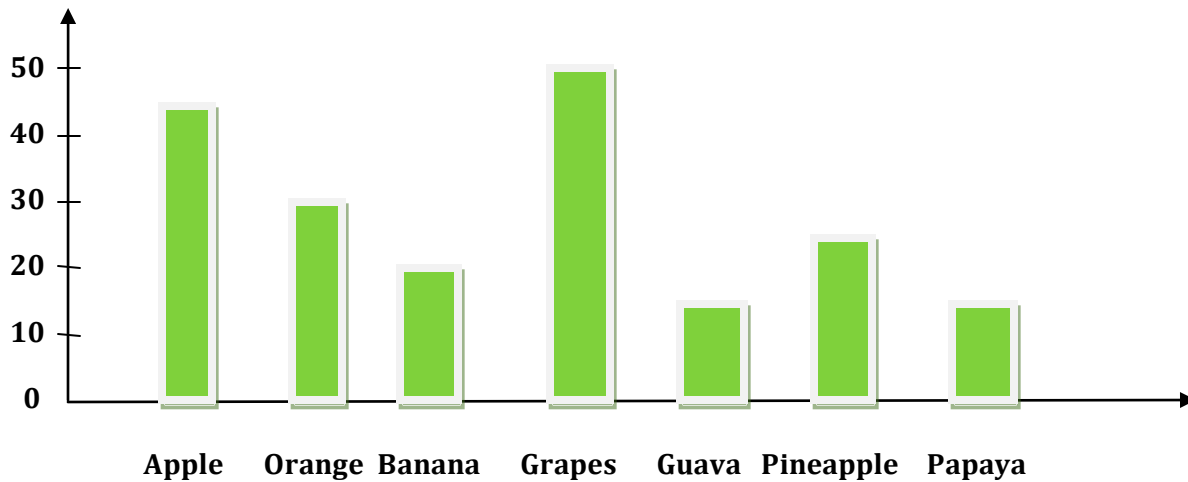
General instructions for Students: Whatever be the notes provided, everything must be copied in the Maths copy and then do the HOMEWORK in the same copy.

EXERCISE – 19.1

*** Bar Graphs**

1. The result of a survey of 200 people about their favourite fruit is given below :

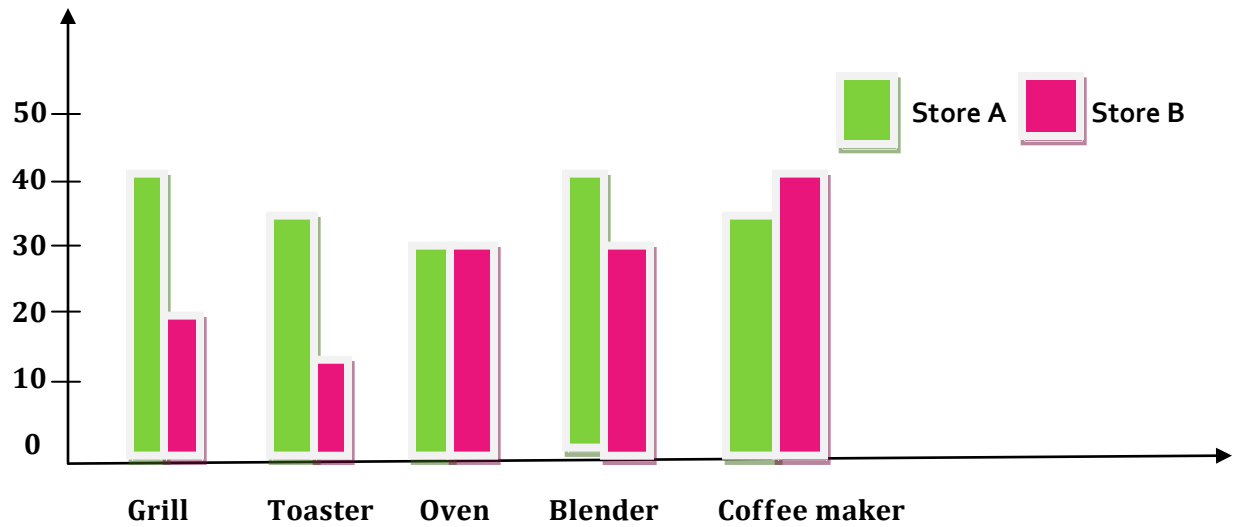
| Fruit | Apple | Orange | Banana | Grapes | Guava | Pineapple | Papaya |
|---------------|-------|--------|--------|--------|-------|-----------|--------|
| No. of people | 45 | 30 | 20 | 50 | 15 | 25 | 15 |



*** Double bar graph**

2. Mr. Khurana has two kitchen appliance stores. He compares the sales of two stores during a month and recovered as given below :

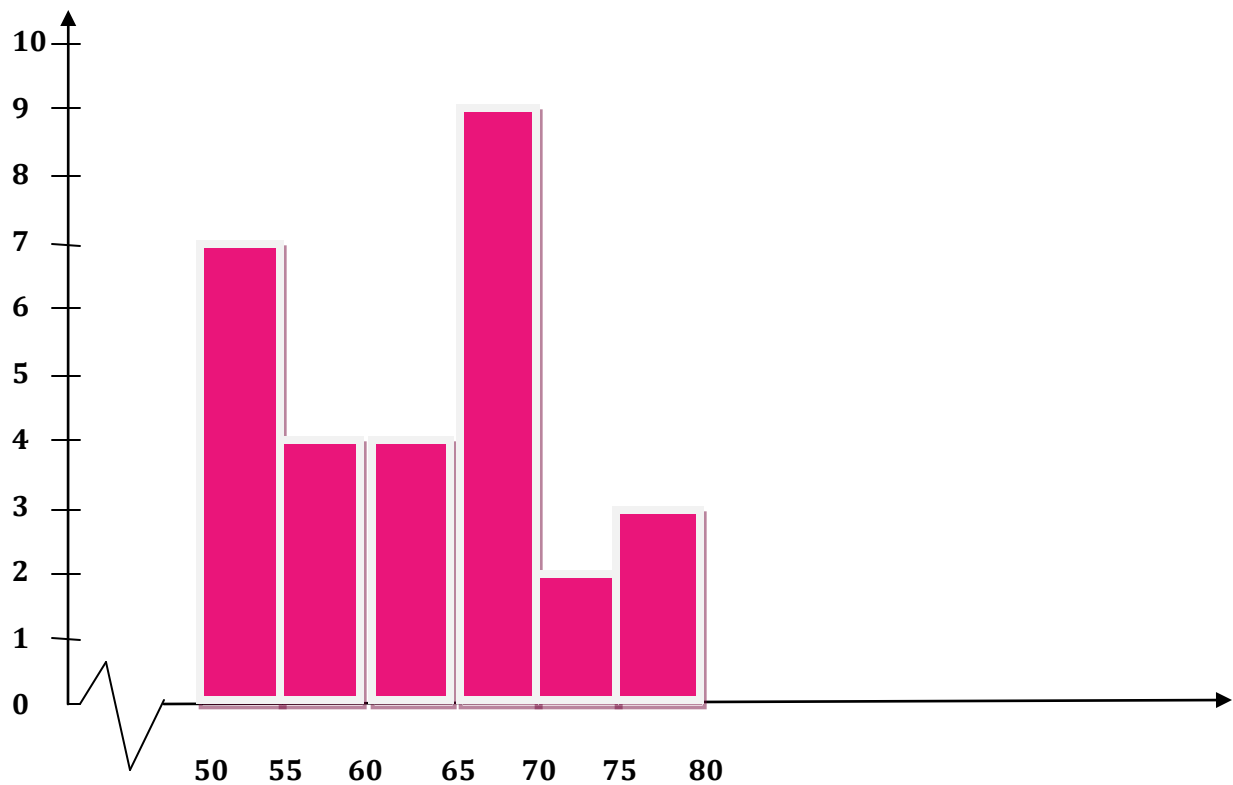
| Item | Store A | Store B |
|--------------|---------|---------|
| Grill | 40 | 20 |
| Toaster | 35 | 15 |
| Oven | 30 | 30 |
| Blender | 40 | 30 |
| Coffee maker | 35 | 40 |



* **Histograms**

10. The weight of 29 patients in a hospital were recorded as follows :

| Weight (kg) | 50 – 55 | 55 – 60 | 60 – 65 | 65 – 70 | 70 – 75 | 75 – 80 |
|-----------------|---------|---------|---------|---------|---------|---------|
| No. of patients | 7 | 4 | 4 | 9 | 2 | 3 |



EXERCISE – 19.2

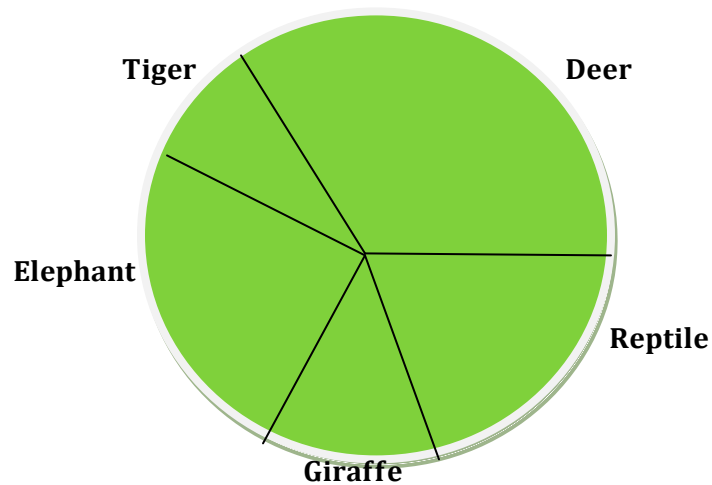
* Circle graph or Pie chart

1. The following data represents the different number of animals in a zoo.

Prepare a pie chart for the given data.

| Animals | Deer | Tiger | Elephant | Giraffe | Reptile |
|----------------|------|-------|----------|---------|---------|
| No. of animals | 40 | 10 | 30 | 15 | 25 |

| Animals | No. of animals | Angle |
|----------|----------------|---|
| Deer | 40 | $\frac{40}{120} \times 360^\circ = 120^\circ$ |
| Tiger | 10 | $\frac{10}{120} \times 360^\circ = 30^\circ$ |
| Elephant | 30 | $\frac{30}{120} \times 360^\circ = 90^\circ$ |
| Giraffe | 15 | $\frac{15}{120} \times 360^\circ = 45^\circ$ |
| Reptile | 25 | $\frac{25}{120} \times 360^\circ = 75^\circ$ |
| | Total 120 | |



HOMWORK

EXERCISE 19.2

QUESTION NUMBERS: 2, 3, 4 and 5