

## Chapter 4 – Graphic Presentation

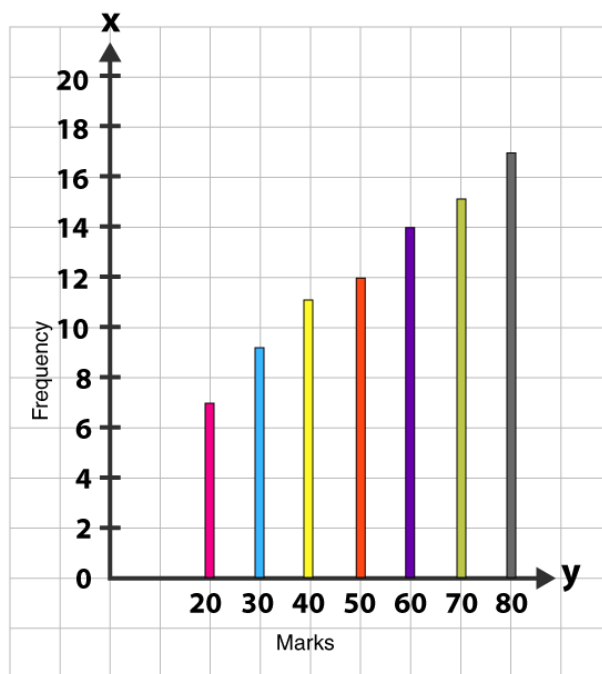
### Question 1

From the following data prepare a line frequency graph.

|           |    |    |    |    |    |    |    |
|-----------|----|----|----|----|----|----|----|
| Marks     | 20 | 30 | 40 | 50 | 60 | 70 | 80 |
| Frequency | 7  | 9  | 11 | 12 | 14 | 15 | 17 |

**Answer:**

The data is presented in a line frequency graph



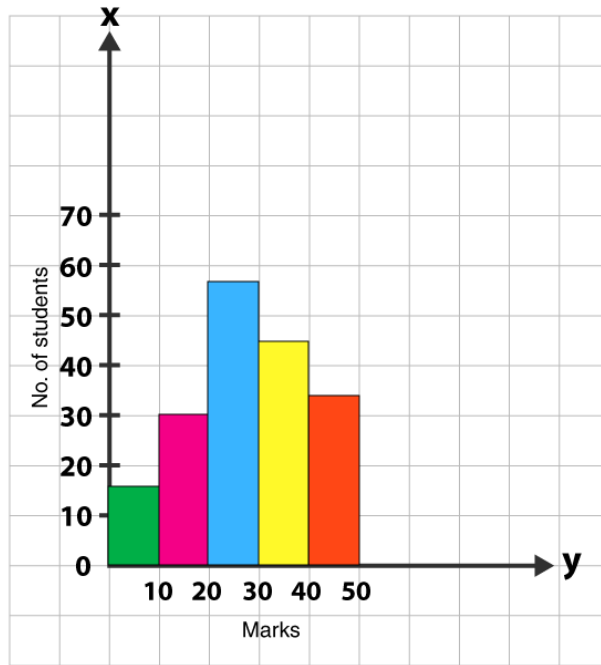
### Question 2

Represent a histogram from the following data.

|                 |      |       |       |       |       |
|-----------------|------|-------|-------|-------|-------|
| Marks           | 0–10 | 10–20 | 20–30 | 30–40 | 40–50 |
| No. of Students | 15   | 30    | 58    | 45    | 35    |

**Answer:**

The given data can be represented with the help of a histogram.

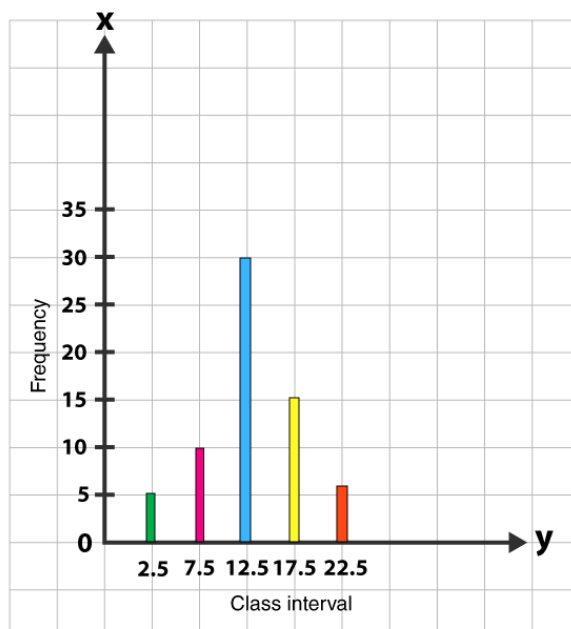


### Question 3

Make a histogram from the following frequency.

|                |     |     |      |      |      |
|----------------|-----|-----|------|------|------|
| Class Interval | 2.5 | 7.5 | 12.5 | 17.5 | 22.5 |
| Frequency      | 5   | 10  | 30   | 15   | 6    |

**Answer:**



Here, the gap between two mid-values is 5, so, it's half difference (2.5) will be subtracted and added from each mid-point to get the below-mentioned class intervals.

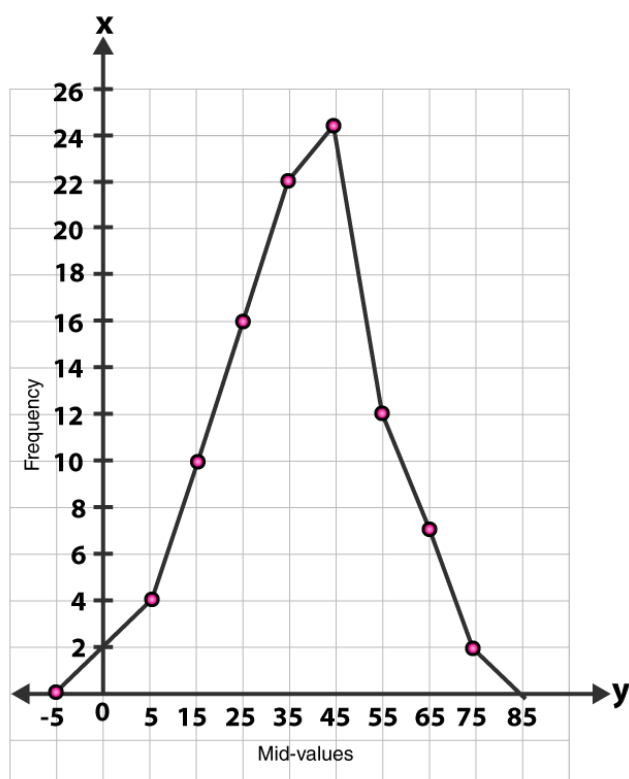
| Mid-Points | Class Interval | Frequency |
|------------|----------------|-----------|
| 2.5        | 0 – 5          | 5         |
| 7.5        | 5 – 10         | 10        |
| 12.5       | 10 – 15        | 30        |
| 17.5       | 15 – 20        | 15        |
| 22.5       | 20 – 25        | 6         |

#### Question 4

With the help of the following frequency prepare a polygon.

|            |   |    |    |    |    |    |    |    |
|------------|---|----|----|----|----|----|----|----|
| Mid-Values | 5 | 15 | 25 | 35 | 45 | 55 | 65 | 75 |
| Frequency  | 4 | 10 | 16 | 22 | 25 | 12 | 7  | 2  |

**Answer:**



#### Question 5

Arrange a frequency curve of the following details:

|                |       |       |       |       |       |       |       |
|----------------|-------|-------|-------|-------|-------|-------|-------|
| Class-interval | 10–20 | 20–30 | 30–40 | 40–50 | 50–60 | 60–70 | 70–80 |
| Frequency      | 3     | 7     | 11    | 15    | 13    | 6     | 2     |

**Answer:**

| Class Interval | Frequency |
|----------------|-----------|
| 10–20          | 3         |
| 20–30          | 7         |
| 30–40          | 11        |
| 40–50          | 15        |
| 50–60          | 13        |
| 60–70          | 6         |
| 70–80          | 2         |

The above-provided solutions are considered to be the best solution for 'Sandeep Garg Economics Class 11 Solutions Chapter 4 – Graphics Presentation. Stay tuned to BYJU'S to learn more.

