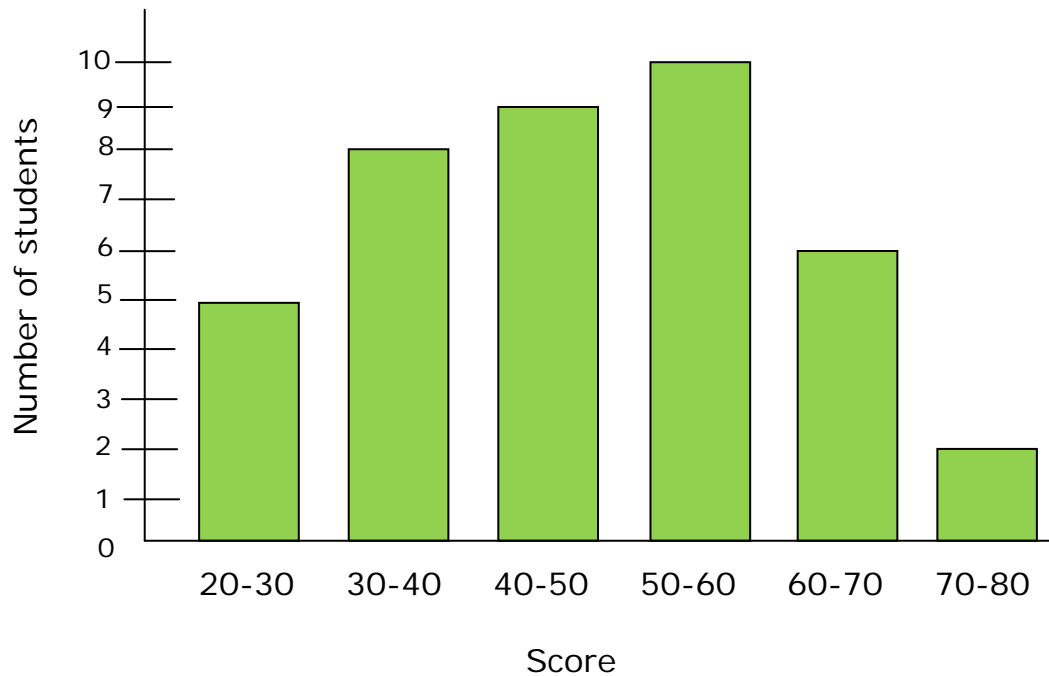


Frequency and Data Distribution - Guided Lesson Explanation**Explanation#1**

For drawing the graph, we have to first distribute the data into equal class intervals with the frequency and then we can make a graph.

The lowest number is 20 and the highest number is 74, according to these numbers we will make the table.

<u>Score</u>	<u>Number of students</u>
20-30	5
30-40	8
40-50	9
50-60	10
60-70	6
70-80	2



Name _____

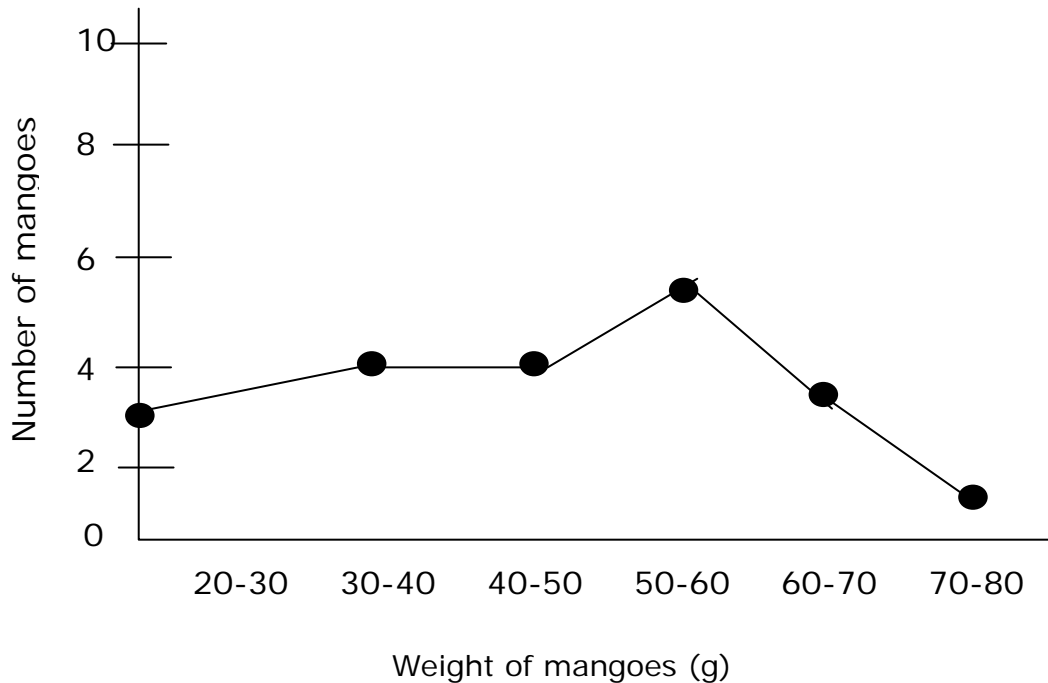
Date _____

Explanation#2

For drawing the line graph, we have to first distribute in intervals

The lowest number is 22 and the highest number is 74, according to these numbers we will make the table.

<u>Weight of mangoes</u>	<u>Number of mangoes</u>
20-30	3
30-40	4
40-50	4
50-60	5
60-70	3
70-80	1



Name _____

Date _____

Explanation#3

First distribute the data into a frequency table.

The lowest number is 22 and the highest number is 74, according to these numbers we will make the table.

<u>Number of marks</u>	<u>Tally marks</u>	<u>Number of students</u>
20-30		5
31-40		8
41-50		9
51-60		10
61-70		6
71-80		2

After making the table we will denote the class interval by x and y to find median and mode. For these types of questions select x and y then input the value like:

22,25,27,28,28,30,31,32,36,37,38,38,39,40,41,42,44,44,45,**45,46**,47,50,50,51,52,54,54,56,56,57,58,60,60,61,63,65,65,70,74

$$\text{Median of } x \text{ and } y = \frac{n+1}{2}$$

$$= 40 + 1/2 = 20.5$$

This means that the number is the average between the 20th and 21st position.

$$45 + 46 / 2 = 45.5$$

Mode = the most frequent number. These numbers would be the mode : 28,38,44,45,50,54,56,60,65

They all appear twice in the set.

