

Unit 11 : Data Analysis

Friendly Notes

Presenting Data

We can present data in the form of a table, bar graph, or line plot.

Mrs. Li took a survey of the favorite fruits of the students in her class.

She presented the results of her survey in a table as shown below.

Favorite fruit	Number of students
Banana	5
Pear	8
Apple	10
Orange	14
Grapefruit	3

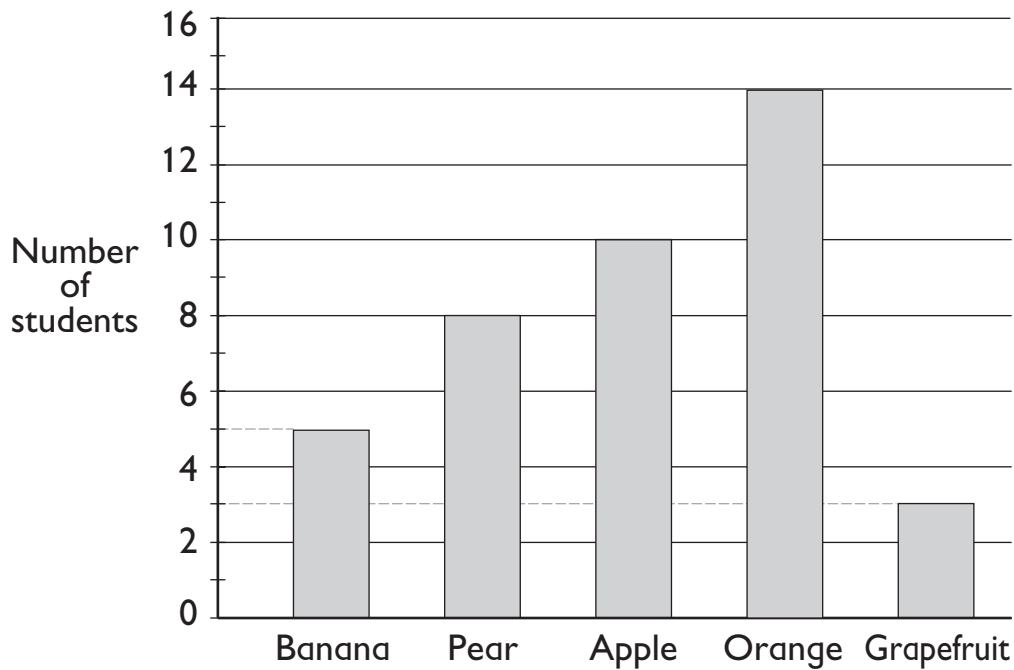
From the table,

- (a) the greatest number of students like oranges.
- (b) the least number of students like grapefruits.
- (c) $5 + 8 + 10 + 14 + 3 = 40$
There are 40 students in the class.

The results of the survey can also be presented in a bar graph as shown below.



Favorite fruit	Number of students
Banana	5
Pear	8
Apple	10
Orange	14
Grapefruit	3



A survey was carried out to find the number of pets in each family. The data collected is shown below.

0	2	2	1	1	0	3
5	4	2	2	1	3	3
0	0	0	1	1	1	1
2	1	1	4	2	0	0
2	2	1	3	1	0	0
0	2	1	1	3	2	2

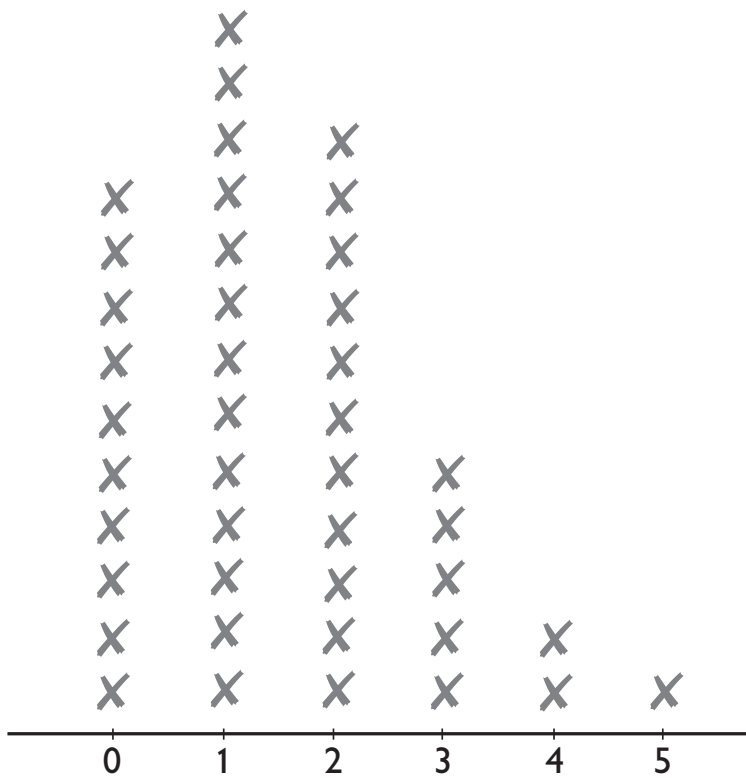
The results of a survey can be recorded in a tally chart in order to make the counting data easier.

Number of pets in the family	Number of families	
0	### ##	10
1	### ### ///	13
2	### ### /	11
3	###	5
4	//	2
5	/	1

42 families were surveyed altogether.



The results of the survey can also be presented in a line plot as shown below.



The number of pets in most families is 1.

