1A.5 **NOTES** Name:_____

Pictographs and Frequency Tables

A **frequency table**, shows how often an item appears in a set of data. A tally mark may be used to record each response. The total number of marks for a given response is the *frequency* of that response.

Types of TV Programs

Program	Tally	Frequency
Sports	𝍸 II	7
Mysteries	IIII	4
Soap operas	𝍸	5
News	𝍸	5
Quiz shows	𝍸 I	6
Music videos	II	2
Adventure	𝍸 IIII	9
Comedies	𝍸 II	7

Books Read

Number of Books	Number of Students
1	3
2	4
3	10
4	8
5	2

Find the mean, median, mode, and range of the number of books read by students in the frequency table above.

A picture graph, or **pictograph,** displays data with graphic symbols. The key identifies the number of data items represented by each symbol.

Fish Consumption around the World
(pounds, per person, per year)

Key: = 10 lb

In which country is the most fish eaten?

How many pounds of fish does the average person in that country eat per year?

How would you make a pictograph to represent this data? What graphic would you use? What would the key look like?

Amount of Caffeine in 12 oz of Various Beverages

Beverages	Milligrams of caffeine
Cola	45
Caffeinated water	45
Iced tea	72
Regular coffee	270
Hot chocolate	18

The number of pets that a group of children have is given below.

Number of pets	Frequency
0	6
1	7
2	5
3	5
4	1
5	2
6	1

Calculate the mean, median, mode, and range number of pets.

If one more person is surveyed and the mean changes to exactly 2, what can you conclude?