

# Do Now

Please place your homework in front of you and work silently on this Do Now.  
Thank you!

The number of goals scored by a soccer team over a season is given in the frequency table.

Number of goals	Number of matches
0	6
1	4
2	5
3	1
4	2
5	1

- 1) Find the median number of goals per match for this season.
- 2) What is the most common number of goals per match? What word would you use to describe that measure of the data?



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# NOTES

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	HHH II	7
Mysteries	IIII	4
Soap operas	HHH	5
News	HHH	5
Quiz shows	HHH I	6
Music videos	II	2
Adventure	HHH IIII	9
Comedies	HHH II	7

Qualitative data

Books Read

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

Quantitative data  
can be counted

You cannot determine the mean TV program but you can determine the mean number of books.

Books Read

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

What is the median number of books?

What is the mode and range?

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

## 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

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

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?