

3/5/10

Objective:

TSWBAT make a bar graph, a line graph and a histogram.



objective

**Vocabulary**

**bar graph:** vertical or horizontal lines that display numerical information. It can be used to compare amounts.

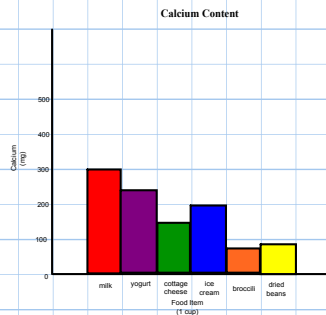
**histogram:** a bar graph that shows the frequency of each data item. They can combine data into equal sized intervals.

**line graph:** a series of line segments that show changes in data. Usually a line graph shows change over time.

vocabulary

**Making a Bar Graph**

Food Item (1 cup)	Calcium (mg)
Milk	300
Yogurt	250
Cottage Cheese	150
Ice Cream	200
Broccoli	80
Dried Beans	90



**Practice:**

Make a bar graph using the data below.

Allowance each week	
Amount of Money (\$)	3 4 5 6 7
Number of Students	10 21 34 12 6

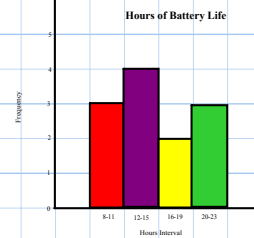
bar graph

**Making a Histogram**

1. Make a frequency table.

Intervals	Hours of Battery Life	Tally	Frequency
8-11	11, 9, 8		3
12-15	12, 14, 15, 15		4
16-19	19, 17		2
20-23	22, 23, 21		3

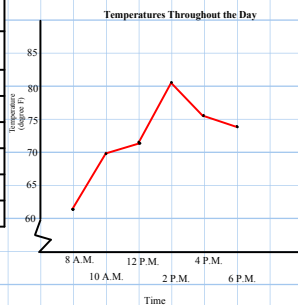
2. Make a histogram.



histogram

**Making a Line Graph**

Temperatures Throughout the Day	
Time	Temperature (degree F)
8 A.M.	62
10 A.M.	70
12 P.M.	72
2 P.M.	81
4 P.M.	76
6 P.M.	74



**Practice:**

Use the table to make a line graph.

Ticket Sales	
Week	1 2 3 4
Tickets Sold	22 35 33 46

line graph