6-3 Data Displays

Objectives: Using given data, I can make a

-Histogram Bar Graph

-Frequency Table

Mar 3-11:13 AM

Frequency Table

A table of values that represents how many values are in a specific interval

Class (Marks)	Frequency
11 - 15	2
16 - 20	3
21 - 25	3
26 - 30	5
31 - 35	6
36 - 40	6
41 - 45	3
46 - 50	2
Total	30

All intervals must be the same size

Jan 7-12:33 PM

Frequency Table

Fill out a frequency table that shows the amount paid by 20 students for textbooks.

21, 33, 27, 45, 26
54, 24, 41, 63, 61
23, 36, 61, 47, 54
31, 26, 43, 64, 47

Money paid	Frequency
20-29	6
30-39	3
40-49	5
50-59	2
60-69	4

Mar 9-9:14 AM

The number of miles driven in a week by 20 high school students is given below:

22, 33, 29, 45, 25, 54, 24, 41, 63, 62, 23, 35, 62, 49, 54, 32, 25, 43, 64, 49

Miles Driven	Frequency
20-29	
30-39	
40-49	
50-59	
60-69	

Mar 9-9:04 PM

Histogram

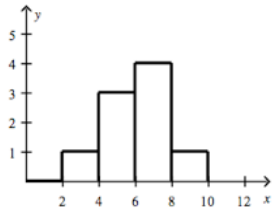
Is a bar graph that shows the information from a frequency table:

bottom (left/right)

The x-axis has the **intervals** for our data.

The y-axis tells you how many in each interval there are.

side (up/down)



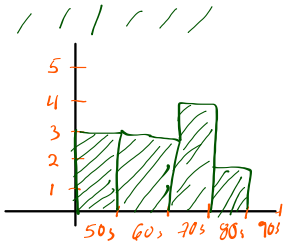
Apr 10-2:36 PM

Create a frequency table and histogram for the following information

The average monthly temperatures in Jacksonville, FL

52, 55, 61, 67, 73,79, 81, 81, 78, 69, 55, 76

temps	freq
50's	3
60's	3
70's	4
80's	2
90's	0



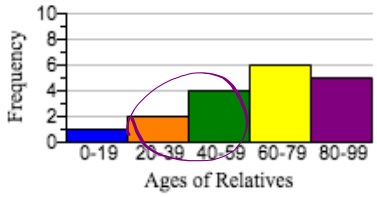
Apr 10-2:37 PM

Create a frequency table and histogram for the following information

The number of chocolate candies per bag of trail mix:

50, 42, 119, 45, 68, 32, 67, 111, 61, 31, 75, 39, 62, 64, 49, 55, 51, 33, 117, 96, 64, 82

Jan 7-12:32 PM



How many relatives are between 60-79?

How many relatives are between 20-59?

How many relatives are over 60?

Mar 9-9:13 PM

Score (%)	Tally	Frequency
[50 - 60)	𝍸	4
[60 - 70)	𝍸 I	6
[70 - 80)	𝍸 𝍸 I	11
[80 - 90)	𝍸 III	8
[90 - 100)	𝍸	4

How many students total took the test? 33

How many students scored between 70% and 80%?

11

What fraction of the students scored between 70% and 80%?

$\frac{11}{33} = \frac{1}{3}$

What percent of the students would that be?

33%

How many students scored between 90% and 100%?

4

What fraction of the students scored between 90% and 100%?

$\frac{4}{33}$

Jan 7-12:43 PM

Jan 9-9:27 AM