

Center #1 – Make a stem-and-leaf plot of the data. Then find the mean, median, mode, range, and IQR. Round to the nearest tenth if necessary.

Hats Sold Each Day			
5	18	12	15
21	30	8	12
13	9	14	25

Mean: _____

Median: _____

Mode: _____

Range: _____

IQR: _____

Center #2 – Display the data in a histogram.

Heights of Gymnasts	
Heights (in.)	Frequency
50–54	1
55–59	8
60–64	5
65–69	2

Minutes Studied	
Minutes	Frequency
0–19	5
20–39	9
40–59	12
60–79	3

Center #3 – Make a box and whisker plot for the data.

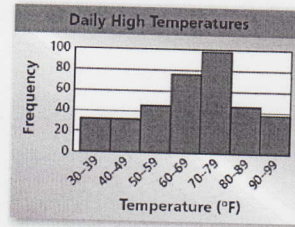
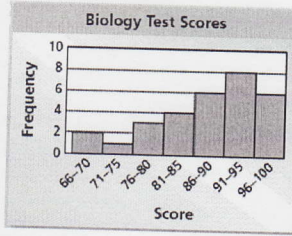
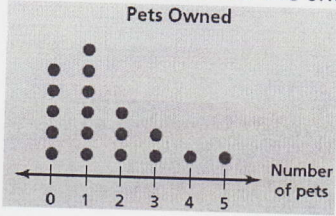
Ages of volunteers at a hospital

14, 17, 20, 16, 17, 14, 21, 18

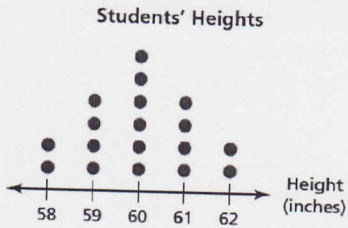
Masses (in kilograms) of lions

120, 200, 180, 150, 200, 200, 230, 160

Center #4 – Describe the shape of each distribution.



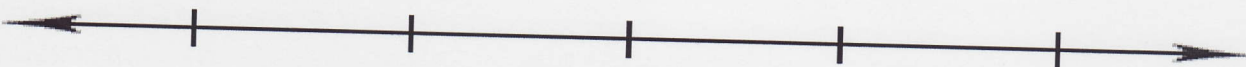
Center #5 – Choose the most appropriate measure to describe the center and the variation. Then find the measures you chose.



Center #6 – Make a box and whisker plot comparing the temperatures in New York and Miami.

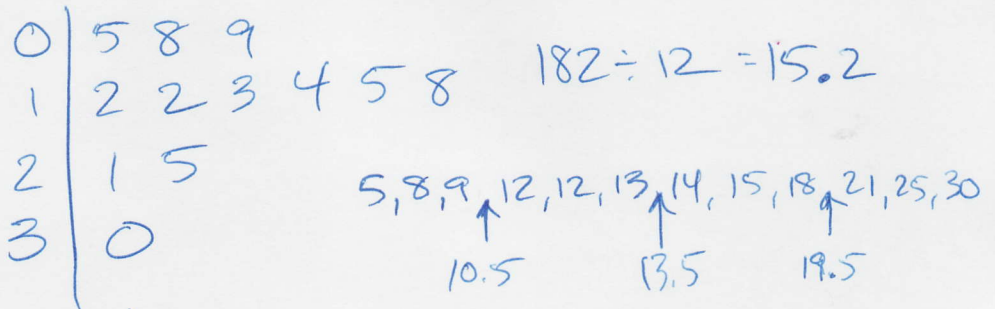
New York – 70, 74, 82, 79, 85, 68, 82, 64, 76

Miami – 84, 87, 92, 80, 94, 79, 87, 74, 86



Center #1 – Make a stem-and-leaf plot of the data. Then find the mean, median, mode, range, and IQR. Round to the nearest tenth if necessary.

Hats Sold Each Day			
5	18	12	15
21	30	8	12
13	9	14	25



Mean: 15.2

Median: 13.5

Mode: 12

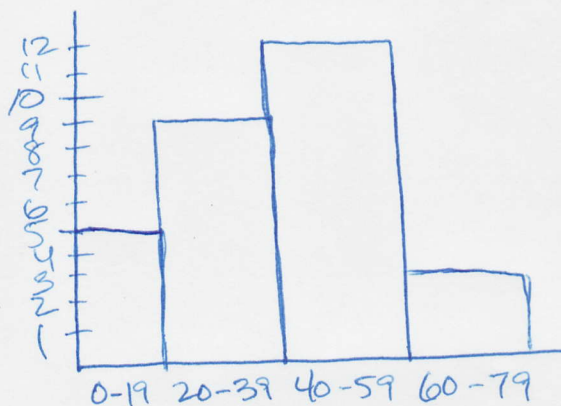
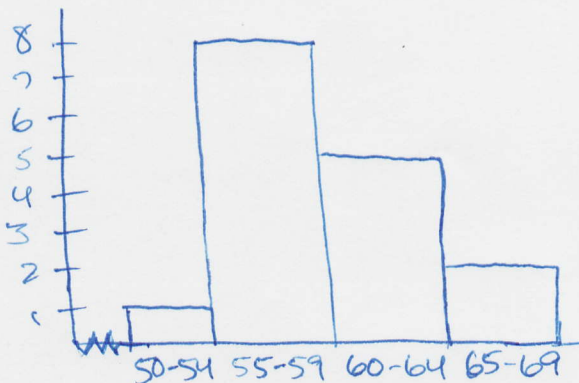
Range: 25 $30 - 5 = 25$

IQR: 9 $19.5 - 10.5$

Center #2 – Display the data in a histogram.

Heights of Gymnasts	
Heights (in.)	Frequency
50-54	1
55-59	8
60-64	5
65-69	2

Minutes Studied	
Minutes	Frequency
0-19	5
20-39	9
40-59	12
60-79	3



Center #3 – Make a box and whisker plot for the data.

Ages of volunteers at a hospital

14, 17, 20, 16, 17, 14, 21, 18

14, 14, 16, 17, 17, 18, 20, 21

↑ 15 ↑ 17 ↑ 19



Masses (in kilograms) of lions

120, 200, 180, 150, 200, 200, 230, 160

120, 150, 160, 180, 200, 200, 200, 230

↑ 155 ↑ 190 ↑ 200

