Center #1 – Display the data in a dot plot. Identify any clusters, peaks or gaps in the data.

1.

D	istand	e (fee	t)
56	55	56	57
58	54	51	55
51	56	49	56

2.

	Weigl	ht (po	unds)	
83	88	89	90	89
91	89	84	90	92
90	88	89	83	- 88

Peak: Ga	ap: Clu	ster:	Peak:	Gap:	Cluster:

Center #2 – Find the mean, median, mode, and range of the data. Show your work!

1) 8, 8, 6, 8, 2, 4, 6

- 2)
- 24, 74, 61, 29, 38, 27, 68, 54

Center #3 – Find the Interquartile Range of the data and any that are outliers. Show your work! 14, 25, 97, 55, 66, 52, 72, 52, 74, 98

Center #4 – Find the mean, median, and mode. Show your work!

Mean: _____

	Shoe	Sizes	
6	8.5	6	9
10	7	8	9.5

Median:

Mode: ____

• What if someone shows up with a shoe size of 21.5? What is the new mean, median, mode?

New Mean: _____

New Median: _____

New Mode: _____

For the new data, which measure of center represents the data the best? Why?

Center #5 – Identify the median, first quartile, third quartile, IQR, and any outliers. Show your work!

Prices of Monitors (dollars)					
130	150	190	100	175	
120	165	140	180	190	

Median:

Q1:_____

Q3:____

IQR: _____

Outliers:

1. How many planets are in our solar system?	2. What is the favorite TV show of sixth grade students?
Center #6 – Determine whether each question is a stati	stical question. Explain how you know.
1. How many planets are in our solar system?	2. What is the favorite TV show of sixth grade students?
Center #6 – Determine whether each question is a stati	stical question. Explain how you know.
1. How many planets are in our solar system?	2. What is the favorite TV show of sixth grade students?
Contant C. Datamaia and athermalia and a second a second and a second	
Center #6 – Determine whether each question is a stati	stical question. Explain now you know.
1. How many planets are in our solar system?	2. What is the favorite TV show of sixth grade students?

Center #6 – Determine whether each question is a statistical question. Explain how you know.

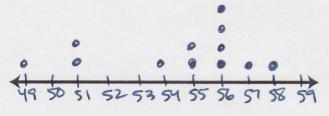
Center #1 - Display the data in a dot plot. Identify any clusters, peaks or gaps in the data.

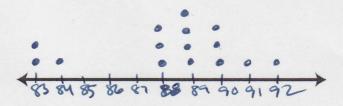
2.

	1	l	
	1	į	ė

Distance (feet)						
56	55	56	57			
58	54	51	55			
51	56	49	56			

	vveig	ht (poi	unas)	
83	88	89	90	89
91	89	84	90	92
90	88	89	83	88





Peak: 56 Gap: 50, 52-53 Cluster: 54-51 Peak: 89 Gap: 85-87 Cluster: 88-90

Center #2 – Find the mean, median, mode, and range of the data. Show your work!

1)
$$8, 8, 6, 8, 2, 4, 6 = 42 \div 7 = 6$$

Marge: 8-2 = 6

24, 74, 61, 29, 38, 27, 68, 54 = **375** ÷ **8** 2)

467 or 46,875

24,27,29,38q 54,61,68,74 38+54=92+2=46 Hedian Mode: No mode

large: 74-24 = 50

Center #3 - Find the Interquartile Range of the data and any that are outliers. Show your work! 14, 25, 97, 55, 66, 52, 72, 52, 74, 98

14,25,52,52,554,56,72,74,97,98 A 60.5 Median

Jak: 74-52=22

22×1.5=33

52-33=19 74+33=100

14 is an outlier

Center #4 - Find the mean, median, and mode. Show your work!

Mean:

		Sizes	Shoe	
_	9	6	8.5	6
-	9.5	8	7	10

8=8-Pc

Median: 8.25

6,6,7,8,8,5,9,9.5,10

Mode: ___

What if someone shows up with a shoe size of 21.5? What is the new mean, median, mode?

New Mean: 9.5

69+21.5=85.5 + 9=9.5 6,6,7,8,8,5,9,9.5,10,21.5

New Median: 8.5

For the new data, which measure of center represents the data the best? Why?

Median because mean was affected too much by the outlier.

Center #5 – Identify the median, first quartile, third quartile, IQR, and any outliers. Show your work!

Prices of Monitors (dollars) 130 150 190 100 175 120 165 140 180 190

100,120,130,140,150,165,175,180,190,190 Q1 157.5 Q3

Median: 151.5

Q1:_\30 180-130 = 50 IQL

50×1.5=75 Q3:__180

130-75 = \$5 180+75 = 235

Outliers: Ume

Center #6 – Determine whether each question is a stati	stical question. Explain how you know.
1. How many planets are in our solar system? No, it's a fact.	2. What is the favorite TV show of sixth grade students? Yes, there is no correct answer
	answer
Center #6 – Determine whether each question is a stati	stical question. Explain how you know.
1. How many planets are in our solar system?	2. What is the favorite TV show of sixth grade students?
Center #6 – Determine whether each question is a stati	stical question. Explain how you know.
1. How many planets are in our solar system?	2. What is the favorite TV show of sixth grade students?

Center #6 – Determine whether each question is a statistical question. Explain how you know.

- 1. How many planets are in our solar system?
- 2. What is the favorite TV show of sixth grade students?