Spoon Frog Activity Class Data Graphs

	Attempts	Time(Sec)
Ms. Dodson	2	7
Joceleen	20	138
Mursal	4	19
Jadeyn	1	1
Paola	3	20
Zorah	2	7
Kyle	3	13
Cade	7	56

	Attempts	Time(Sec)
Aidan	5	34
Juliana	5	31
Olivia	2	9
Sydney	3	21
Lacey	4	22
Alijah	1	3
Jacob	4	20
Liam	7	38

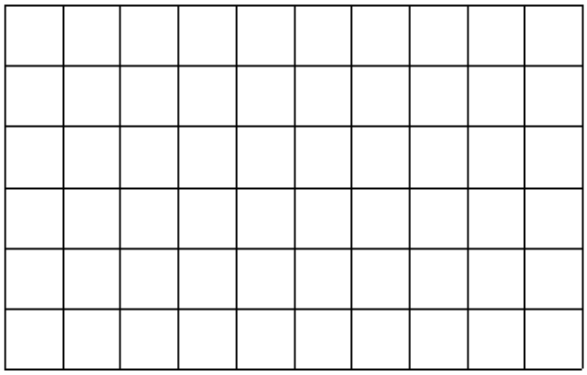
	Attempts	Time(Sec)
Trevon	20	124
Darlene	16	129
Saskia	1	5
Taylor	2	10
Alya	8	58
Sahil	14	116

Mean, Median, Mode Range

Number of Attempts	Time (Seconds)
Mean:	**Mean:**
Median:	**Median:**
Mode:	**Mode:**
Range:	**Range:**

Scatter Plot

Time (Seconds)

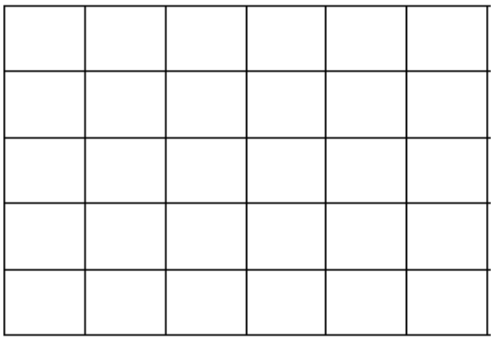


Number of Attempts

Frequency Histogram

Attempts Intervals	Tally	Frequency
1-4		
5-8		
9-12		
13-16		
17-20		

Frequency



Attempts Intervals

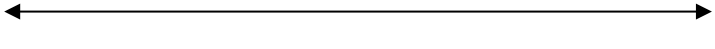
Box and Whisker Plot

Create a box and whisker plot based on the **number of attempts** it took the students in the class.

Range:

IQR:

MIN:
Q1:
MED:
Q3:
MAX:



Create a box and whisker plot based on the **time** it took the students in the class.

Range:

IQR:

MIN:
Q1:
MED:
Q3:
MAX:

Work Area:

Attempts:

1, 1, 1, 2, 2, 2, 2, 3, 3, 3, 4, 4, 4, 5, 5, 7, 7, 8, 14, 16, 20, 20

Time:

1, 3, 5, 7, 7, 9, 10, 13, 19, 20, 20, 21, 22, 31, 34, 38, 56, 58, 116, 124, 129, 138

Questions to Consider:

Mean, Median, Mode and Range:

1. If we allowed the trials to continue past 20 there may have been some outliers in our data. How would the outliers affect the mean, median, mode and range?

Mean: _____

Median: _____

Mode: _____

Range: _____

Scatter Plot:

2. Describe the correlation of the data: _____

3. Describe the relationship, if any, between the number of attempts and the time.

_____

_____

Histogram:

4. How would you describe the distribution of the data for the number of attempts?

Cluster: _____

Gaps: _____

Box-and-Whisker Plot:

5. Which 25%-interval did your time fall between?

_____

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Lacey	4	22
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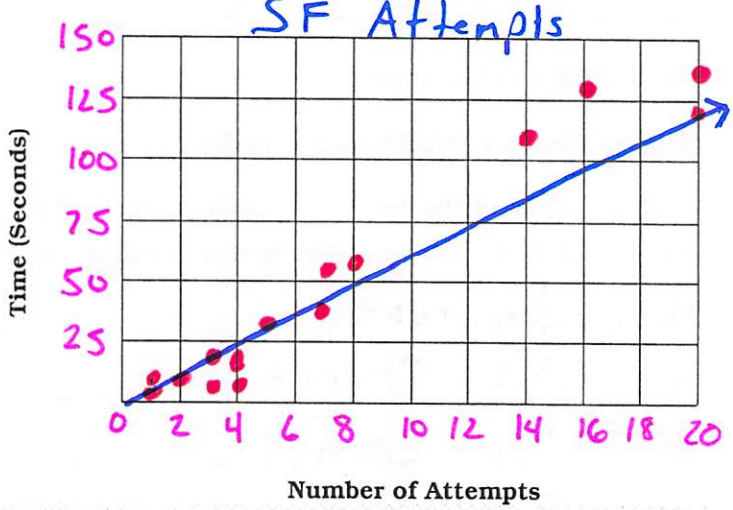
	Attempts	Time(Sec)
Trevon	20	124
Darlene	16	129
Saskia	1	5
Taylor	2	10
Alya	8	58
Sahil	14	116

Mean, Median, Mode Range

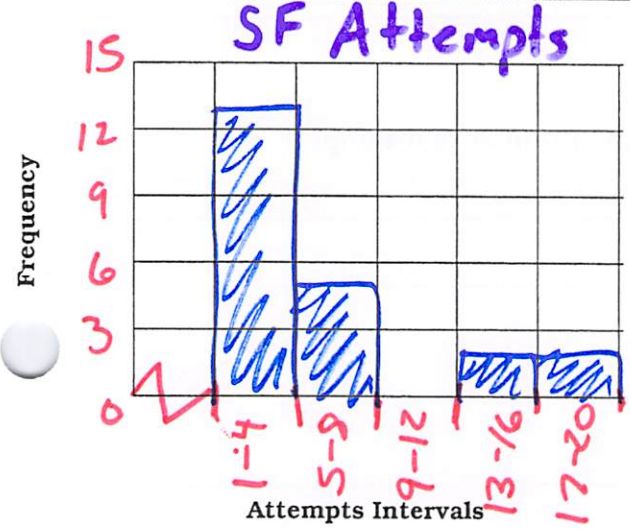
Number of Attempts	Time (Seconds)
Mean: $134 \div 22 = 6.1$	**Mean:** $881 \div 22 = 40.0$
Median: 4	**Median:** 20.5
Mode: 2	**Mode:** 7 and 20
Range: 19	**Range:** 137

Scatter Plot



Frequency Histogram

Attempts Intervals	Tally	Frequency
1-4	𝍸 𝍸 | | |	13
5-8	𝍸 |	5
9-12		0
13-16	| |	2
17-20	| |	2



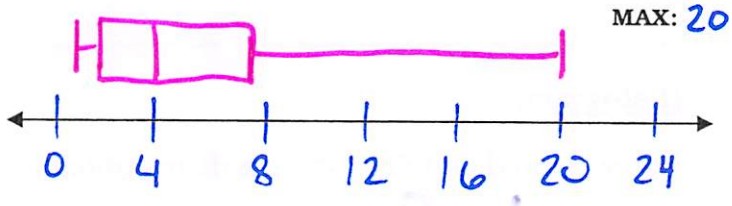
Box and Whisker Plot

Create a box and whisker plot based on the **number of attempts** it took the students in the class.

Range: 19

IQR: 5

MIN: 1
Q1: 2
MED: 4
Q3: 7
MAX: 20

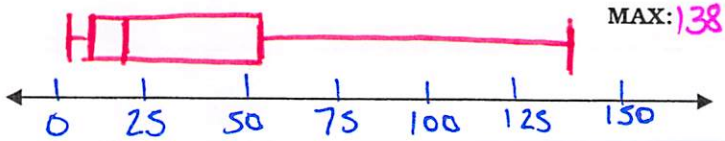


Create a box and whisker plot based on the **time** it took the students in the class.

Range: 137

IQR: 47

MIN: 1
Q1: 9
MED: 20.5
Q3: 56
MAX: 138



Work Area:

Attempts:

1, 1, 1, 2, 2, 2, 2, 3, 3, 3, 4, 4, 4, 4, 5, 5, 7, 7, 8, 14, 16, 20, 20

Time:

1, 3, 5, 7, 7, 9, 10, 13, 19, 20, 20, 21, 22, 31, 34, 38, 56, 58, 116, 124, 129, 138

Questions to Consider:

Mean, Median, Mode and Range:

1. If we allowed the trials to continue past 20 there may have been some outliers in our data. How would the outliers affect the mean, median, mode and range?

Mean: Increase

Median: No Change

Mode: No Change

Range: Increase

Scatter Plot:

2. Describe the correlation of the data: positive

3. Describe the relationship, if any, between the number of attempts and the time.

As the number of attempts increased, the time increased

Histogram:

4. How would you describe the distribution of the data for the number of attempts?

Cluster: 1-8

Gaps: 9-12

Box-and-Whisker Plot:

5. Which 25%-interval did your time fall between?