Spoon Frog Activity Class Data Graphs

	Attempts	Time(Sec)
Alex B	4	17
Zac	17	119
Gabe	3	15
James	7	45
Yasmin	3	11
Susan	7	56
Newton	2	22

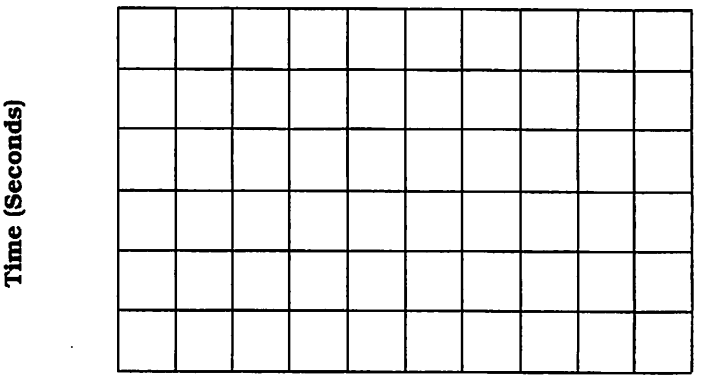
	Attempts	Time(Sec)
Mason	1	1
Saurav	4	20
Gwen	10	82
Mariama	2	18
Alivia	2	4
Riley	2	10
Jeremy	3	17

	Attempts	Time(Sec)
Angelo	7	30
Paris	3	10
Wania	12	90
Stephen	8	54
Isaac	10	79
Aleks	2	12

Mean, Median, Mode Range

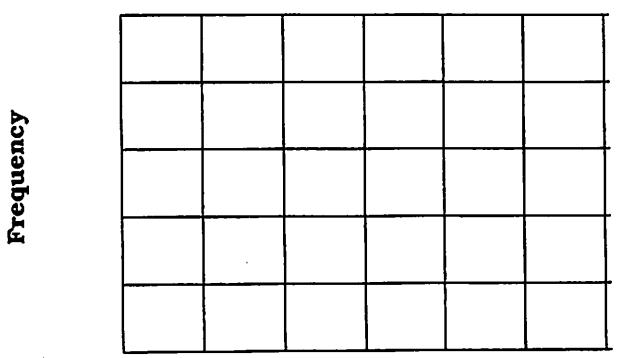
Number of Attempts	Time (Seconds)
Mean:	**Mean:**
Median:	**Median:**
Mode:	**Mode:**
Range:	**Range:**

Scatter Plot



Frequency Histogram

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



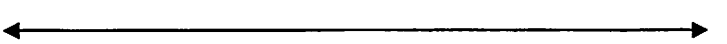
Box and Whisker Plot

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:

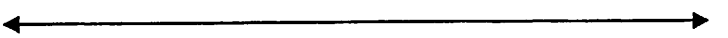


Create a box and whisker plot based on the **time** it took the students in the class.

Range:

IQR:

MIN:
Q1:
MED:
Q3:
MAX:



Work Area:

Attempts:

1, 2, 2, 2, 2, 2, 3, 3, 3, 3, 4, 4, 7, 7, 7, 8, 10, 10, 12, 17

Time:

1, 4, 10, 10, 11, 12, 15, 17, 17, 18, 20, 22, 30, 45, 54, 56, 79, 82, 90, 119

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?

_____

Period 1

Spoon Frog Activity Class Data Graphs

	Attempts	Time(Sec)
lex B	4	17
Zac	17	119
Gabe	3	15
James	7	45
Yasmin	3	11
Susan	7	56
Newton	2	22

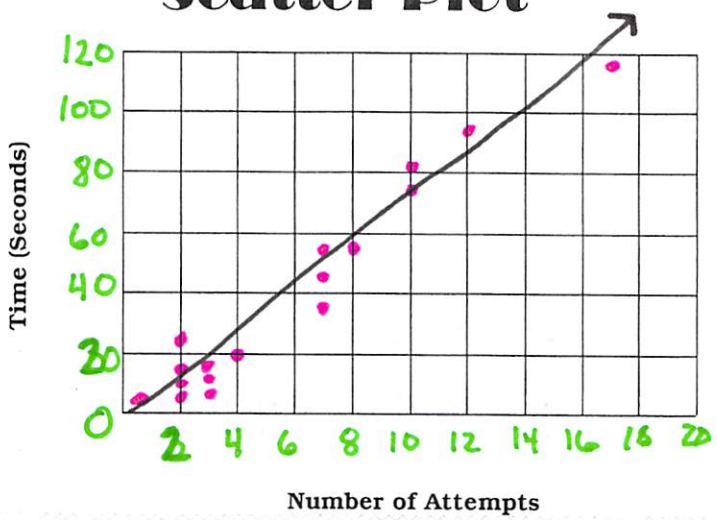
	Attempts	Time(Sec)
Mason	1	1
Saurav	4	20
Gwen	10	82
Mariama	2	18
Alivia	2	4
Riley	2	10
Jeremy	3	17

	Attempts	Time(Sec)
Angelo	7	30
Paris	3	10
Wania	12	90
Stephen	8	54
Isaac	10	79
Aleks	2	12

Mean, Median, Mode Range

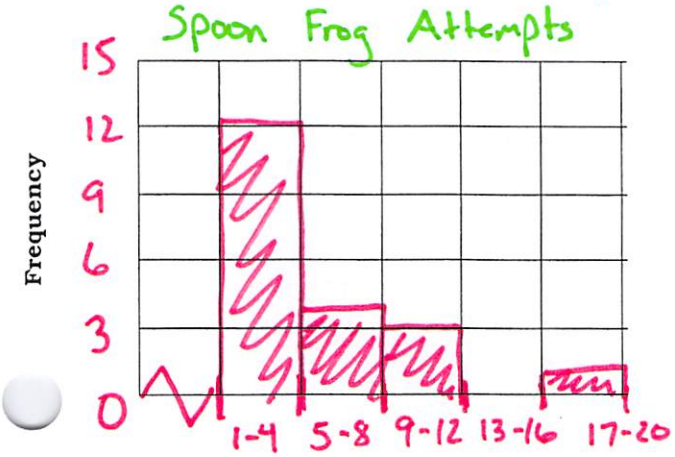
Number of Attempts	Time (Seconds)
Mean: 109 ÷ 20 = 5.45	**Mean:** 712 ÷ 20 = 35.6
Median: 3.5	**Median:** 19
Mode: 2	**Mode:** 10, 17
Range: 17 - 1 = 16	**Range:** 118

Scatter Plot



Frequency Histogram

Attempts Intervals	Tally	Frequency
1-4	𝍸 𝍸 ||	12
5-8	||||	4
9-12	|||	3
13-16		0
17-20	|	1



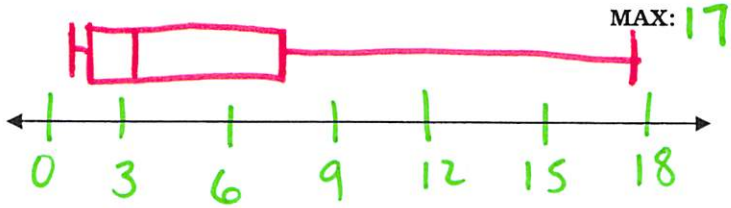
Box and Whisker Plot

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

Range: 16

IQR: Q3 - Q1 = 5.5

MIN: 1
Q1: 2
MED: 3.5
Q3: 7.5
MAX: 17

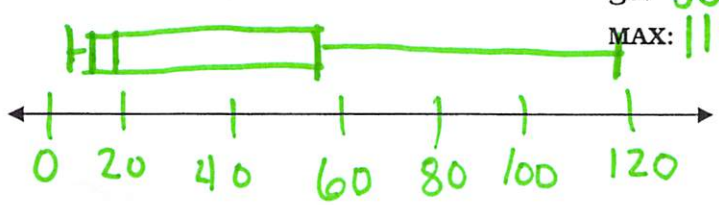


Create a box and whisker plot based on the **time** it took the students in the class.

Range:

IQR:

MIN: 1
Q1: 11.5
MED: 19
Q3: 55
MAX: 119



Work Area:

Attempts:

1, 2, 2, 2, 2, 2, 3, 3, 3, 3, 4, 4, 7, 7, 7, 8, 10, 10, 12, 17

Time:

1, 4, 10, 10, 11, 12, 15, 17, 17, 18, 20, 22, 30, 45, 54, 56, 79, 82, 90, 119

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: Increase Slightly

Mode: Stay the Same

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 attempts increased the time also increased

Histogram:

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

Cluster: Between 1-4

Gaps: Between 13-16

Box-and-Whisker Plot:

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