Spoon Frog Activity Class Data Graphs

	Attempts	Time(Sec)
Rama	11	60
Kristin	6	54
Kevin	16	116
Kyler	5	27
Ying Yi	11	75
Michael	1	2
Jason	7	59

	Attempts	Time(Sec)
Samantha	7	58
Aidan	3	8
Joey	13	84
Taj	13	96
Rewaj	6	55
Bruno	2	6
Lexi	2	4

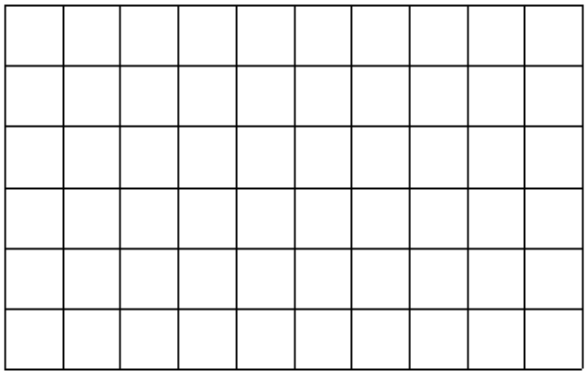
	Attempts	Time(Sec)
Mr. Falci	2	5
Ravleen	20	138
Leesi	5	52
Celta	9	47

Mean, Median, Mode Range

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

Scatter Plot

Time (Seconds)

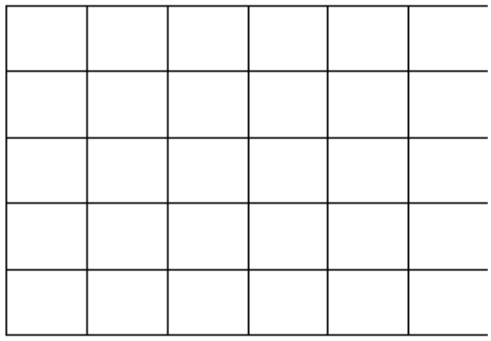


Number of Attempts

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, 2, 2, 2, 3, 5, 5, 6, 6, 7, 7, 9, 11, 11, 13, 13, 16, 20

Time:

2, 4, 5, 6, 8, 27, 47, 52, 54, 55, 58, 59, 60, 75, 84, 96, 116, 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?

_____

Spoon Frog Activity Class Data Graphs

	Attempts	Time(Sec)
ama	11	60
Kristin	6	54
Kevin	16	116
Kyler	5	27
Ying Yi	11	75
Michael	1	2
Jason	7	59

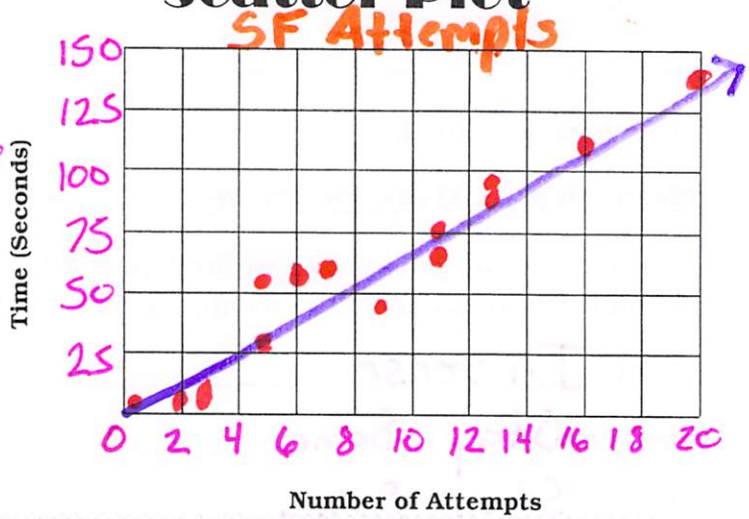
	Attempts	Time(Sec)
Samantha	7	58
Aidan	3	8
Joey	13	84
Taj	13	96
Rewaj	6	55
Bruno	2	6
Lexi	2	4

	Attempts	Time(Sec)
Mr. Falci	2	5
Ravleen	20	138
Leesi	5	52
Celta	9	47

Mean, Median, Mode Range

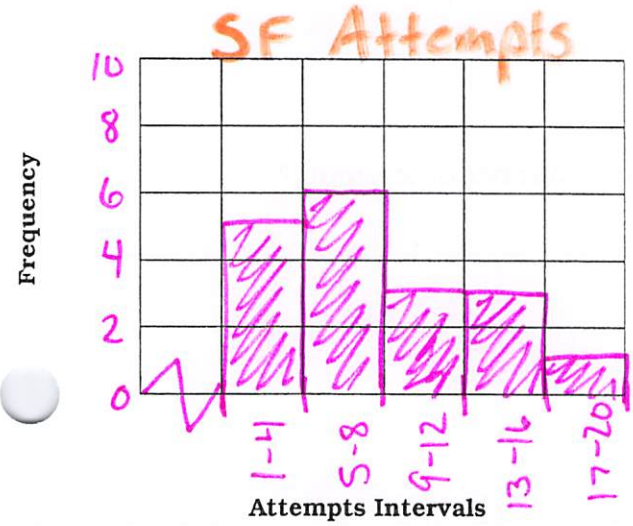
Number of Attempts	Time (Seconds)
Mean: 139 ÷ 18 = 7.7	**Mean:** 946 ÷ 18 = 52.6
Median: 6.5	**Median:** 54.5
Mode: 2	**Mode:** No Mode
Range: 19	**Range:** 136

Scatter Plot



Frequency Histogram

Attempts Intervals	Tally	Frequency
1-4	𝍸	5
5-8	𝍸 I	6
9-12	III	3
13-16	III	3
17-20	I	1



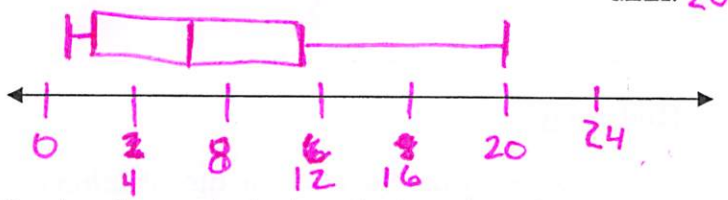
Box and Whisker Plot

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

Range: 19

IQR: 8

MIN: 1
Q1: 3
MED: 6.5
Q3: 11
MAX: 20

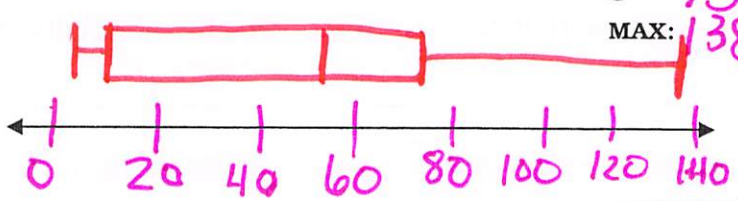


Create a box and whisker plot based on the **time** it took the students in the class.

Range: 136

IQR: 67

MIN: 2
Q1: 8
MED: 54.5
Q3: 75
MAX: 138



Work Area:

Attempts:

1, 2, 2, 2, 3, 5, 5, 6, 6, 7, 7, 9, 11, 11, 13, 13, 16, 20

Time:

2, 4, 5, 6, 8, 27, 47, 52, 54, 55, 58, 59, 60, 75, 84, 96, 116, 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: Stay Same

Mode: Stay 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 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: No Gaps

Box-and-Whisker Plot:

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