Spoon Frog Activity Class Data Graphs

	Attempts	Time(Sec)
Max	10	77
Hadley	13	97
Dylan	20	148
Sana	7	52
Diandria	15	70
Racim	3	28

	Attempts	Time(Sec)
Joceyln	2	14
Clara	14	87
David	3	21
Bella	6	60
Vinny	4	35
Diamond	2	16

	Attempts	Time(Sec)
Rachel	4	20
Niamyah	3	15
Paige	2	4
Oumou	7	51
Thanh	14	76
Jonah	8	64

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:

2, 2, 2, 3, 3, 3, 4, 4, 6, 7, 7, 8, 10, 13, 14, 14, 15, 20

Time:

4, 14, 15, 16, 20, 21, 28, 35, 51, 52, 60, 64, 70, 76, 77, 87, 97, 148

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 2

Spoon Frog Activity Class Data Graphs

	Attempts	Time(Sec)
Max	10	77
Hadley	13	97
Dylan	20	148
Sana	7	52
Diandria	15	70
Racim	3	28

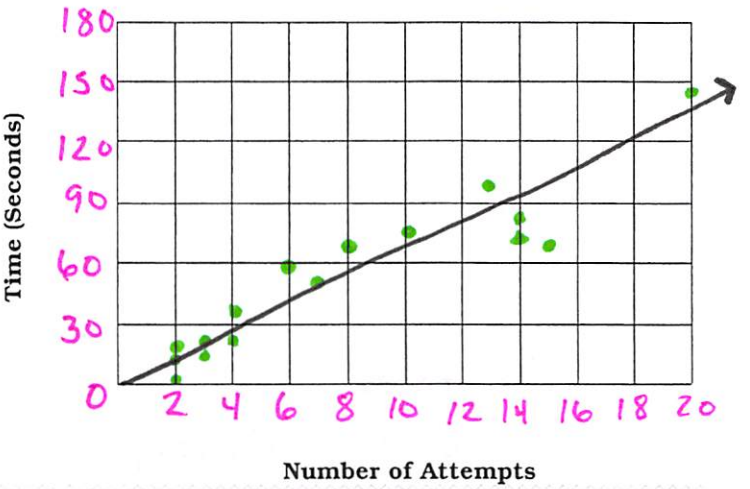
	Attempts	Time(Sec)
Joceyln	2	14
Clara	14	87
David	3	21
Bella	6	60
Vinny	4	35
Diamond	2	16

	Attempts	Time(Sec)
Rachel	4	20
Niamyah	3	15
Paige	2	4
Oumou	7	51
Thanh	14	76
Jonah	8	64

Mean, Median, Mode Range

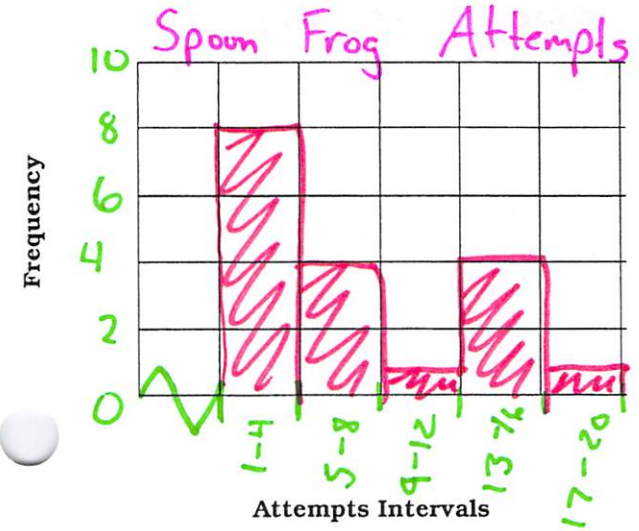
Number of Attempts	Time (Seconds)
Mean: $137 \div 18 = 7.6$	**Mean:** $935 \div 18 = 51.9$
Median: 6.5	**Median:** 51.5
Mode: 2, 3	**Mode:** No Mode
Range: $20 - 2 = 18$	**Range:** $148 - 4 = 144$

Scatter Plot



Frequency Histogram

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



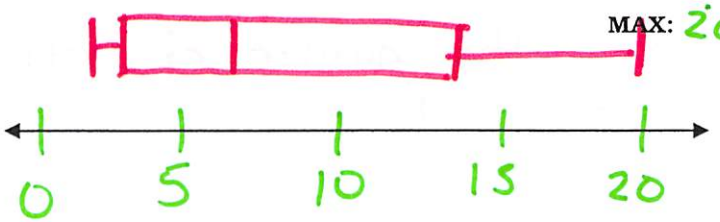
Box and Whisker Plot

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

Range: $20 - 2 = 18$

IQR: $Q3 - Q1 = 10$

MIN: 2
Q1: 3
MED: 6.5
Q3: 13
MAX: 20



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

Range: $148 - 4 = 144$

IQR: $76 - 20 = 56$

MIN: 4
Q1: 20
MED: 51.5
Q3: 76
MAX: 148

Work Area:

Attempts:

2, 2, 2, 3, 3, 3, 4, 4, 6, 7, 7, 8, 10, 13, 14, 14, 15, 20

Time:

4, 14, 15, 16, 20, 21, 28, 35, 51, 52, 60, 64, 70, 76, 77, 87, 97, 148

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 number of attempts increased, the time increased

Histogram:

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

Cluster: Between 1-4

Gaps: Between 9-12

Box-and-Whisker Plot:

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