

Spoon Frog Activity Class Data Graphs

	Attempts	Time(Sec)
Jeysmarie	3	20
Sarah	1	5
Muneeb	7	44
Lool	14	99
Fardos	20	102
Maddie B	2	14
Rhys	4	23
Kayla	5	16

	Attempts	Time(Sec)
Justin	1	2
Peyton	6	18
Bazil	2	11
Christina	4	21
Colton	2	7
Mr. Falci	3	12
Andrew	1	1
Dylan	3	8

	Attempts	Time(Sec)
Jackson	5	30
Susana	15	90
Grace	10	44
Eunsol	20	115
Than	6	36
Danish	1	2

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:

MIN:

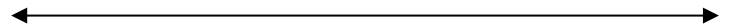
Q1:

IQR:

MED:

Q3:

MAX:



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

Range:

MIN:

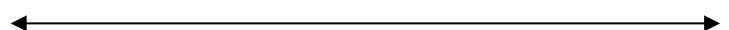
Q1:

IQR:

MED:

Q3:

MAX:



Work Area:

Attempts:

1, 1, 1, 1, 2, 2, 2, 3, 3, 3, 4, 4, 5, 5, 6, 6, 7, 10, 14, 15, 20, 20

Time:

1, 2, 2, 5, 7, 8, 11, 12, 14, 16, 18, 20, 21, 23, 30, 36, 44, 44, 90, 99, 102, 115

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

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Leysmarie	3	20
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Dylan	3	8

	Attempts	Time(Sec)
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Susana	15	90
Grace	10	44
Eunsol	20	115
Than	6	36
Danish	1	2

Mean, Median, Mode Range

Number of Attempts

Mean:

$$135 \div 22 = 6.1$$

Median:

4

Mode:

1

Range:

19

Time (Seconds) *

Mean:

$$720 \div 22 = 32.7$$

Median:

19

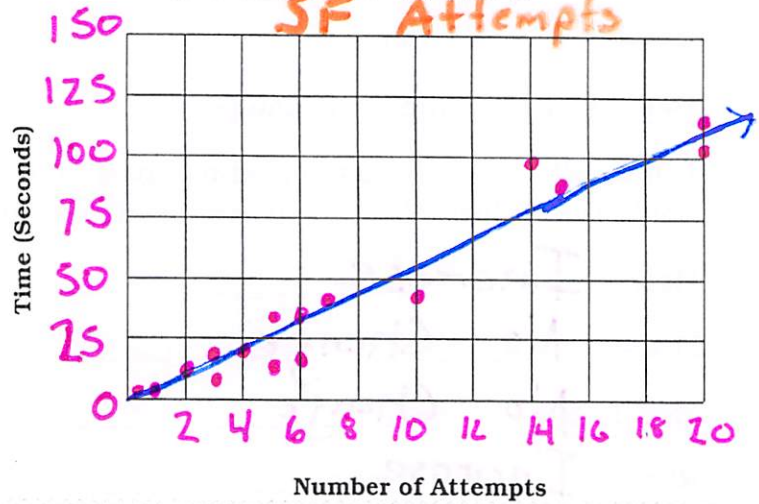
Mode:

2 and 44

Range:

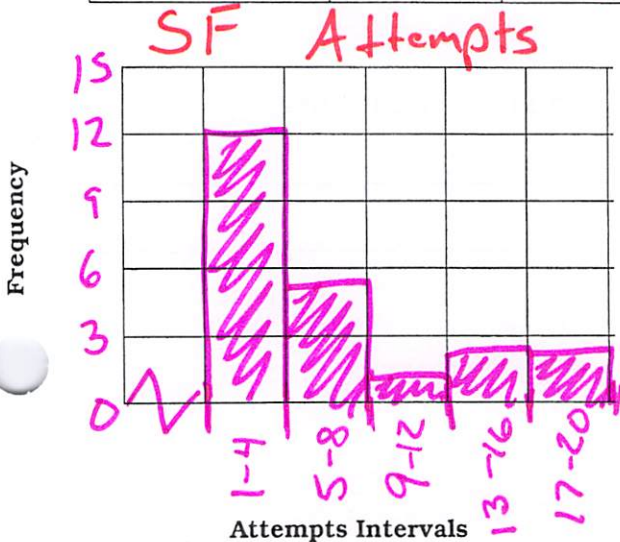
114

Scatter Plot



Frequency Histogram

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

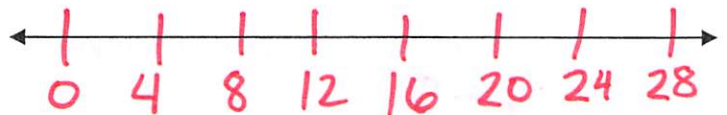


Box and Whisker Plot

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: 4

MED: 5

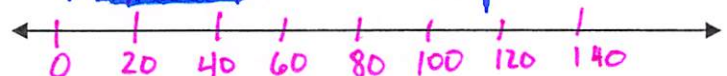
Q3: 9

MAX: 20

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

Range: 114

IQR: 36



MIN: 1

Q1: 14

MED: 32

Q3: 50

MAX: 115

Work Area:

Attempts:

1, 1, 1, 1, 2, 2, 3, 3, 3, 4, 4, 5, 5, 6, 6, 7, 10, 14, 15, 20, 20

Time:

1, 2, 2, 5, 7, 8, 11, 12, 14, 16, 18, 20, 21, 23, 30, 36, 44, 44, 90, 99, 102, 115

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 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 little gap

Box-and-Whisker Plot:

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