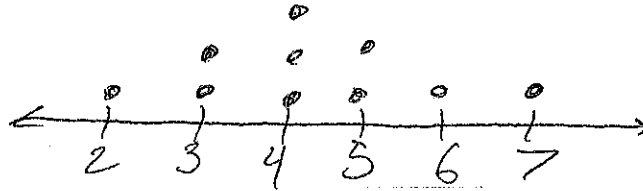
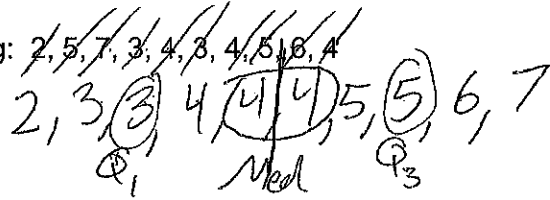


Pre-Test: Unit 1 - One Variable Statistics

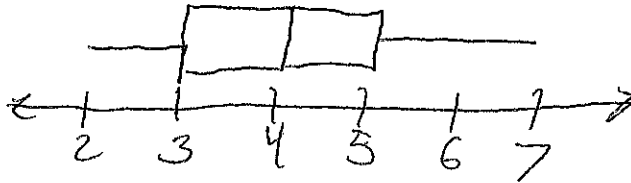
Prior Review

1. Use this data set to complete the following: 2, 5, 7, 3, 4, 3, 4, 5, 6, 4

a. Create a dot plot of the data.



b. Create a box-and-whisker plot of the data.



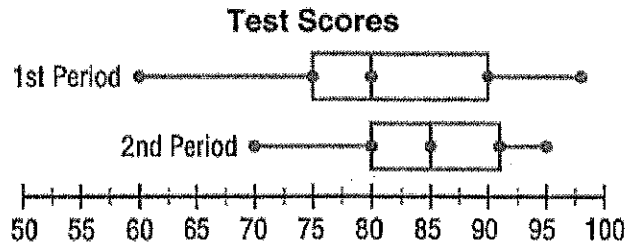
c. Which word best describes the shape of the data set. Choose one.

1. Left-skewed
2. Right-skewed
3. Symmetrical
4. Varied
5. Uniform

← Pretty much the same on both sides

Unit 1

2. Use the box-and-whisker plot at right to answer the following questions:



a. Which class period had a higher median?

Explain. 2nd period.

2nd period has a median of 85 vs. 1st period's 80.

b. Which class was more consistent in its test scores? Explain.

2nd period.

The range for 2nd period is 25 vs 1st period's 37.5

c. Which class period had more variability in its test scores? Use the standard deviation or interquartile range to explain.

1st period.

The interquartile range for 1st period is 15 vs 2nd period's 10.