

Name \_\_\_\_\_

Date \_\_\_\_\_

1. Use the list of data to calculate the following:

77, 80, 98, 67, 85, 82, 85, 75, 93, 68

- \_\_\_\_\_ mean
- \_\_\_\_\_ median
- \_\_\_\_\_ mode
- \_\_\_\_\_ Q1
- \_\_\_\_\_ Q3
- Box and whisker Plot

2. Use the list of data to calculate the following:

37, 21, 46, 36, 47, 52, 98, 31

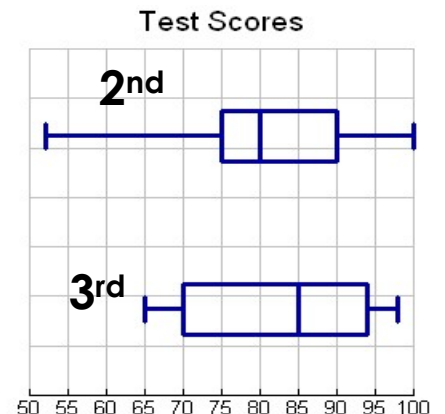
- \_\_\_\_\_ mean
- \_\_\_\_\_ median
- \_\_\_\_\_ mode
- \_\_\_\_\_ Q1
- \_\_\_\_\_ Q3
- Box and whisker Plot

3. Which statement below is NOT true?

- 2<sup>nd</sup> period had the highest score on the test
- The median for 2<sup>nd</sup> period is 5 less than the median for 3<sup>rd</sup>
- The LQ for 2<sup>nd</sup> period is 5 less than LQ for 3<sup>rd</sup> period
- The UQ for 3<sup>rd</sup> period is 94

4. Fill in the blanks:

- The median for 2<sup>nd</sup> period is \_\_\_\_\_
- The median for 3<sup>rd</sup> period is \_\_\_\_\_
- The lowest score for 3<sup>rd</sup> period is \_\_\_\_\_
- The lower quartile for 2<sup>nd</sup> period is \_\_\_\_\_
- The spread of the middle 50% for 2<sup>nd</sup> period is \_\_\_\_\_



5. Mrs. Stewart would like to determine if the cafeteria should sell snacks during non-lunch periods. Which sampling method is most likely to yield an accurate prediction of the population?

- Survey every 20<sup>th</sup> student who enters the cafeteria during lunch
- Survey 50 random students each from the 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, and 12<sup>th</sup> grade
- Survey the first 25 students that walk into school
- Survey all the seniors.

