

Name: _____

Date: _____

Algebra 1

Band: _____

Box and Whisker Plots Homework

LT#3: Make and interpret box-and-whisker plots.

LT#4: Find quartile and percentiles.

Make box and whisker plots to compare the data sets.

1. Test scores:

Andrew's: 79 80 87 87 99 94 77 86

Dipak's: 93 79 78 82 91 87 80 99



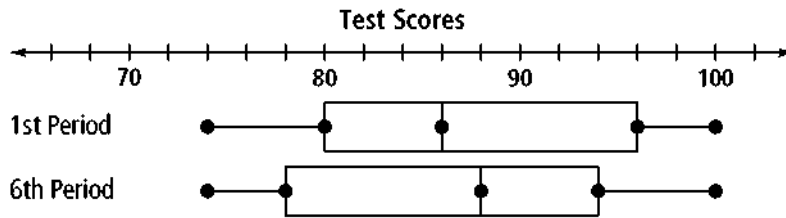
2. Monthly sales:

Kiera's: 17 50 26 39 6 49 62 40 8

Paul's: 18 47 32 28 12 49 60 28 15



3. Use the box-and-whisker plot below. What does it tell you about the test scores in each class? Explain.



4. Of 200 golf scores during a city tournament, 32 are less than or equal to 90. What is the percentile rank of a score of 90?

5. Of 25 dogs, 15 weigh more than 35 pounds. What is the percentile rank of a dog that weighs 35 pounds?

6. The table shows how many votes each student who ran for class president received. What is Li's percentile rank?

Student	Votes
Brooke	112
Li	100
Suman	118
Greg	98
Grace	98

7. Ten students earned the following scores on a test: 89, 90, 76, 78, 83, 88, 91, 93, 96, and 90. Which score has a percentile rank of 90? Which score has a percentile rank of 10?