Classwork – Review after PARCC Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Warm Up**

Find the Five Number Summary for the following:

25, 32, 34, 38, 40, 55, 57, 79

 Min Lower Quartile Median Upper Quartile Max

Make a Box-and-Whisker Plot 🡪

1. Below is a table for an object’s height over a period of time:



1. Use a calculator and make a **scatterplot** to determine the best model (linear, exponential or quadratic.)
2. Write the equation to best represent $H\left(t\right)= \\_\\_\\_\\_\\_\\_\\_\\_\\_\\_\\_\\_\\_\\_\\_\\_\\_\\_\\_\\_\\_\\_\\_\\_\\_\\_\\_\\_\\_\\_$
3. Use your model to predict the height after 7 seconds. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Explain how to find the MEAN of a set of numbers?
5. Explain how to find the MEDIAN of a set of numbers?
6. Explain how to find the MODE of a set of numbers?
7. Given the following data:



1. **Find each for the data above.**

Mean: Median: Mode: Range:



1. **If the is changed to a 14, *what would happen* to each of the following?**

Mean: Median: Mode: Range:

1. Given the following Box-and-Whisker Plot **“Scores on a Quiz”**



1. Find the Range. \_\_\_\_\_\_\_\_\_\_\_
2. Find the Interquartile Range. \_\_\_\_\_\_\_\_\_\_\_
3. Given the following TEST SCORES… Which of the following is true?



1. Write the Five Number Summary \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_

1. What was the mean of the test scores? \_\_\_\_\_\_\_\_\_
2. What was the median of the test scores? \_\_\_\_\_\_\_\_\_
3. What was the mode of the test scores? \_\_\_\_\_\_\_\_\_