

Name _____
Teacher _____

Date _____

6th Grade Math (Statistics) Enrichment #9 (Lesson 29-3)

Ready:

1. The data set for hand span (to the nearest half centimeter) of students in Matthew's class is shown below.

18, 17, 15, 18, 21, 17, 19, 19, 18, 22
22, 20, 21, 20, 17, 20, 16, 20, 21, 19

Create a dot plot for the hand span of student's in Matthew's class.

2. Compute the mean, median and range.
3. Compute the MAD (mean absolute deviation) and IQR (interquartile range).

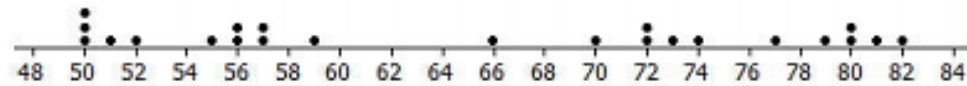
Set:

4. The sales tax rate is 10%. If Maggie buys a map of Africa priced at \$17, how much will her total bill be?
5. A store pays \$91 for a gold ring and marks the price up by 20%. What is the new price of the ring?
6. Kenny ordered a set of green and red pins. He received a total of 20 pins, and 70% of them were green. How many green pins did Kenny receive? How many red pins?

Go:

7. On the graph below, insert the following words in approximately the correct position.

Maximum Minimum IQR Median Lower Quartile (Q1) Upper Quartile (Q3)



8. Estimate the IQR based on the data set above.
9. What does the value of the IQR tell you about the data that you are examining?