



Cornell Notes

Topic: Measures of Variation: Lesson 9.4

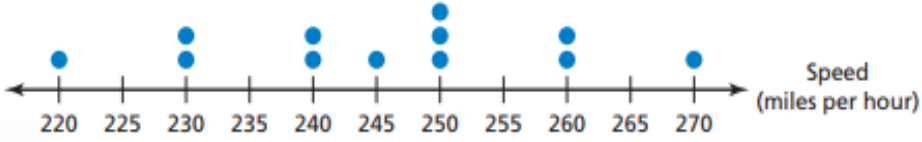
Name: _____

Date: _____

Period: _____

Essential Question: How can you describe the spread of a data set?

Questions/Main Ideas:	<u>Notes:</u>
Vocabulary	<u>Measure of variation</u> - a measure that describes the distribution of a data set.
	<u>Range</u> - the difference between the largest number and smallest number of a data set.
	<u>Quartiles</u> - a data set divide the data into four equal parts
	<u>First Quartile</u> - lower half
	<u>Third Quartile</u> - upper half
	<u>Interquartile Range</u> - the difference between the third quartile and the first quartile
Example 1	Finding Range
	Find the largest number and smallest number of a data set and subtract.
	5, 6.25, 8, 10, 11, 12.5, 14, 15.5, 16.25, 18.5
Example 2	Finding Quartiles
	18, 21, 22, 24, 28, 30, 31, 32, 36, 37
	1. Find the median.
	2. Find the median of the first quartile.
	3. Find the median of the third quartile.
	4. Identify the quartiles.

Example 3	Finding Interquartile Range
	18, 21, 22, 24, 28, 30, 31, 32, 36, 37
	1. Find the median.
	2. Find the median of the first quartile.
	3. Find the median of the third quartile.
	4. Identify the quartiles.
	5. Identify the median in the third quartile and the median in the first quartile and subtract.
Practice	
	

Summary: Students should write a summary reflecting the above essential question.