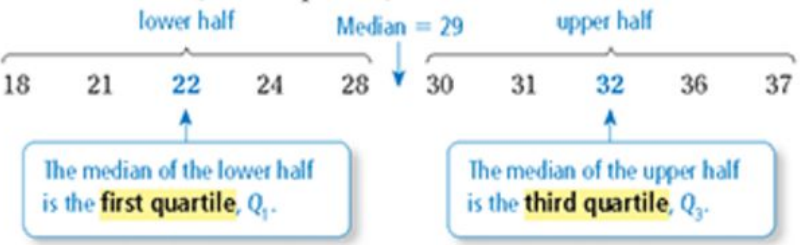


Essential Question: What are measures of variation?

Questions /Main Ideas	Class Notes
<p>What is the range?</p> <p>Snakes are 5, 6, 9, 11, and 18 feet long. What is the range?</p>	<p>The range of a data set is the difference between the greatest value and the least value.</p> <p>$18 - 5 = 13$ (range)</p> <p>“The lengths vary by no more than 13 feet.”</p>
<p>What are quartiles?</p>	<p>Quartiles of a data set divide the data into four equal parts.</p> 
<p>What is the interquartile range (IQR)?</p>	<p>The difference between the third quartile and the first quartile is called the interquartile range.</p>

Summary

The range measures the variation (how spread out) a set of data is. To find the range, subtract the lowest value from the greatest value. To find the interquartile range, first find the first and third quartile (by taking the median of the lower and upper half) and then finding the difference between them.