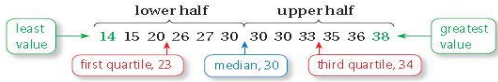
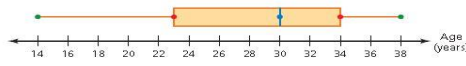


Content: Math		Grade Level: 6th
Standard: 6.SP.5c		
Summarize numerical data sets in relation to their context - e.g., giving quantitative measures of center (median and/or mean) and variability (interquartile range and/or mean absolute deviation), as well as describing any overall pattern and any striking deviations from the overall pattern with reference to the context in which the data was gathered.		
I can statements:		
<ul style="list-style-type: none"> I can compute mean, median, and range. I can compute interquartile range. I can make a box-and-whisker plot for a set of data. 		
Score 4.0	In addition to Score 3.0, in-depth inferences and applications that go beyond what was taught.	Sample Activities
		<p>Susan has four 20-point projects for math class. Susan's scores on the first 3 projects are shown below:</p> <ul style="list-style-type: none"> Project 1: 18 Project 2: 15 Project 3: 16 Project 4: ?? <p>What does she need to make on Project 4 so that the average for the four projects is 17? Explain your reasoning.</p>
	3.5	In addition to score 3.0 performance, in-depth inferences and applications with partial success.
Score 3.0	The student can solve multistep problems involving properties of operations.	<p>Make a box-and-whisker plot for the ages (in years) of the spider monkeys at a zoo. 15, 20, 14, 38, 30, 36, 30, 30, 27, 26, 33, 35</p> <p>Step 1: Order the data. Find the median and the quartiles.</p>  <p>Step 2: Draw a number line that includes the least and greatest values. Graph points above the number line for the least value, greatest value, median, first quartile, and third quartile.</p> <p>Step 3: Draw a box using the quartiles. Draw a line through the median. Draw whiskers from the box to the least and greatest values.</p>  <p>What is the outlier? What measure does it affect the most?</p>
	2.5	
Score 2.0	There are no major errors or omissions regarding the simpler details and processes. However, the student exhibits major errors or omissions regarding the more complex ideas and processes.	<p>Find the mean, median and range of the data: 11, 12, 12, 12, 12, 12, 13, 28</p> <p>Answer: mean = 16, median = 12, range = 17</p>
	1.5	Partial knowledge of the 2.0 content, but major errors or omissions regarding the 3.0 content.
Score 1.0	With help, a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes.	
	0.5	With help, a partial understanding of the 2.0 content, but not the 3.0 content.
Score 0.0	Even with help, no understanding or skill demonstrated.	