

Content Standard	<p>MAFS.6.SP Statistics & Probability</p> <p>MAFS.6.SP.1 Develop understanding of statistical variability.</p> <p>MAFS.6.SP.1.3 Recognize that a measure of center for a numerical data set summarizes all of its values with a single number, while a measure of variation describes how its values vary with a single number.</p>	
Assessment Limits	Rational numbers, only numerical data sets.	
Calculator	No	
Acceptable Response Mechanisms	Equation Response Multiple Choice Response Multi-Select Response	
Context	Allowable	
Example		
Context	Tim collects data for a set number of weeks on the number of people who ride the bus. (The student must distinguish and apply the concepts of mean and median.)	
Context easier	<p>Provide the values of the data in a table.</p> <p>Reduce the number of data points in a set.</p> <p>Use a set of numbers with an odd number of data points.</p> <p>Include range as a type of variation.</p>	
Context more difficult	<p>Provide a partial set of data and a measure or measures of center for the entire data set.</p> <p>Increase the number of data points in a set.</p> <p>Use a set of numbers with an even number of data points.</p> <p>Extend to include mean absolute deviation or interquartile range as a type of variation.</p>	
Sample Item Stem	Response Mechanism	Notes, Comments
<p>Tim drives the Grand Avenue bus route. He counts the total number of people who ride the bus each week for 5 weeks.</p> <p>How many more people need to ride the bus on week 6 to increase the mean number of riders per week by 10?</p>	Equation Response	
<p>The mean and mean absolute deviation is shown.</p> <p>Tim drives the Grand Avenue bus route. He counts the total number of people who ride the bus each week for 4</p>	Multi-Select Response	

Grade 6 Mathematics Item Specifications
Florida Standards Assessments

weeks.

What is a possible number of riders for week 5?