

<p align="center">Concept/Topic Summary for September 13, 2011</p>	<p align="center">GPS/CCSS</p>
<p>Variability “from the mean”</p>	<p>MM1D4</p>
<p>SAD= Sum of the Absolute Deviation. It is the sum of absolute values of the differences of observations from mean; Level B concept, Early Level C</p>	<p>MM1D4</p>
<p>MAD=Mean Absolute Deviation. It is the average of the distances of the observations from the mean – a Level B concept, early Level C</p>	<p>MM1D4</p>
<p>Level A – fair share interpretation of the mean; variability from the fair share is measured by "number of steps" to the fair share or to “level off” the stack of cubes</p>	<p>N/A</p>
<p>Relationship between # of steps to level off and the SAD? SAD is twice the number of steps (from level A)</p>	<p>N/A</p>
<p>Level B – interpretation of mean = balance point</p>	<p>N/A</p>

Level C – How do we take a sample mean and make an inference about a population mean? “How close can we expect our sample mean to be to the population mean?”

N/A

Level C – measure variability by Standard Deviation (differs from MAD by squaring differences rather than taking absolute value of differences but interpretation of MAD and StDev are similar)

N/A