

<b>Grade 7 Math:</b> <b>Benchmark #: 7.4.2.K1a-g (Data)</b>		<b>Mastery Check</b> <b>#3</b>	
<u><b>State Language:</b></u> Organizes, displays, and reads quantitative (numerical) and qualitative (non-numerical) data in a clear, organized and accurate manner including a title, labels, categories, and rational number intervals using these data displays: a) frequency tables and line plots; b) bar, line and circle graphs; c) Venn diagrams or other pictorial displays; d) charts and tables; e) stem-and-leaf plots (single); f) scatter plots; g) box-and-whiskers plots		<u><b>Student Friendly Language:</b></u> Students will read, create and interpret various types of graphs, charts, tables and plots.	
<u><b>Concept (Students will know):</b></u> <ul style="list-style-type: none"> <li>• How to read and interpret each type of graphical representation</li> <li>• How to list numbers from least to greatest</li> <li>• How to find mean, median and mode</li> <li>• How to construct and name parts of graphs</li> <li>• Differentiate between x and y axis</li> <li>•</li> </ul>		<u><b>Skills (Students will do):</b></u> <ol style="list-style-type: none"> <li>a) Understand, interpret and construct frequency tables and line plots.</li> <li>b) Understand, interpret and construct bar, line and circle graphs.</li> <li>c) Understand, interpret and construct Venn diagrams</li> <li>d) Understand, interpret and construct charts and tables including stem-and-leaf plots, scatter plots and box-and-whiskers plots</li> </ol>	
		<u><b>DOK Level:</b></u>  <b>3</b>	
<u><b>Big Ideas:</b></u> Students will be able to use their knowledge of graphical representations to read and interpret data in real-world situations.			
<u><b>Essential Questions:</b></u> <ol style="list-style-type: none"> <li>1. Name and label the parts of a box-and-whisker plot. (lower extreme, lower quartile, median, upper quartile and upper extreme)</li> <li>2. What are the steps for creating a stem-and-leaf plot?</li> <li>3. How do you find the median of a set of numbers?</li> <li>4. What does a Venn diagram help us do?</li> <li>5.</li> </ol>			
<u><b>Core Materials</b></u> Text Book		<u><b>Supplemental Materials:</b></u> Resource workbooks Teacher generated Technology (Study Island/BAIP)	
<u><b>Teaching Strategies:</b></u> Hands-on (construction of graphs, charts, tables, etc)			
<u><b>Mastery Check Items:</b></u>			