

Instructional Alignment Chart

<i>Standard(s) for previous Grade Level:(Box 2)</i>	<i>Standard for your Grade Level (Box 1)</i>	<i>Standard(s) for next Grade Level: (Box 3)</i>
<p>Cluster: Represent and Interpret Data 3.MD.3: Draw a scaled picture graph & a scaled bar graph to represent a data set with several categories. 3.MD.4: Generate measurement data by measuring lengths using rulers marked with halves & fourths of an inch. Show the data by marking a line plot, where the horizontal scale is marked off in appropriate units--- whole numbers, halves, or quarters.</p>	<p>Cluster: Represent and Interpret Data 4.MD.4: Make a line plot to display a data set of measurements in fractions of a unit ($1/2$, $1/4$, $1/8$). Solve problems involving addition and subtraction of fractions by using information presented in line plots.</p>	<p>Cluster: Represent and Interpret Data 5.MD.2: Make a line plot to display a data set of measurements in fractions of a unit ($1/2$, $1/4$, $1/8$). Use operations on fractions for this grade to solve problems involving information presented in line plots.</p>
<i>Changes (Box 4)</i>		<i>Changes (Box 5)</i>
<ul style="list-style-type: none"> • Added eighths when making, gathering, and displaying line plot data • Scaled picture and bar graphs disappear • Moved from generating measurement data to solving problems using information from this line plot • Added solving problems using line plots involving adding and subtracting fractions 		<ul style="list-style-type: none"> • Added multiplication and division of fractions when solving problems using line plots
<i>Implications for curriculum, instruction and assessment</i>		
<ul style="list-style-type: none"> • Use what students know about number lines when creating the line plot for the measurement data. • Use number lines to help students subdivide for halves and fourths to get eighths. • Consider the learnings students are engaged in the Domain of Number and Operations --- Fractions when planning. • Identify the Standards for Mathematics Practice that will be used to approach the content. 		

Adapted from *The Charles A. Data Center at the University of Texas at Austin*