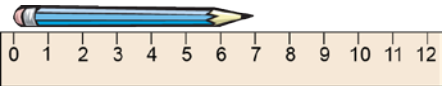
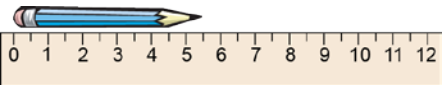
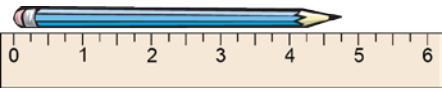
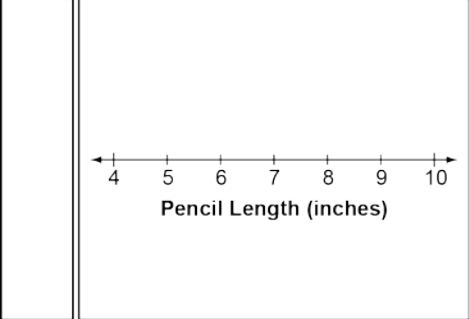


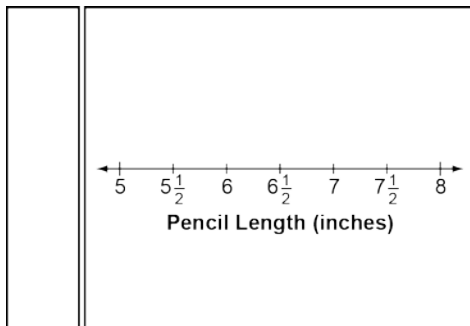
Content Standard	<p>MAFS.3.MD Measurement and Data</p> <p>MAFS.3.MD.2 Represent and interpret data.</p> <p>MAFS.3.MD.2.4 Generate measurement data by measuring lengths using rulers marked with halves and fourths of an inch. Show the data by making a line plot, where the horizontal scale is marked off in appropriate units—whole numbers, halves, or quarters.</p>	
Assessment Limits	<p>Units are limited to whole numbers, halves, or quarters. Standard rulers should not be used — only special rulers that are marked off in halves or quarters. Measurements are limited to inches.</p>	
Calculator	No	
Acceptable Response Mechanisms	<p>Equation Response Graphic Response – Drawing/Graphing, Hot Spot Multi-Select Response Matching Item Response</p>	
Context	Allowable	
Example		
Context	Solve problems involving measuring lengths of pencils to the nearest half unit or using provided data.	
Context easier	Limit amount of data. Limit measurements to nearest whole unit.	
Context more difficult	Increase amount of data. Measurements include whole, half, and quarter units.	
Sample Item Stem	Response Mechanism	Notes, Comments
<p>A pencil is shown.</p>  <p>What is the length of the pencil to the nearest whole inch?</p>	Equation Response	
<p>A pencil is shown.</p>  <p>What is the length of the pencil to the nearest half inch?</p>	Equation Response	

<p>A pencil is shown.</p>  <p>What is the length of the pencil to the nearest quarter of an inch?</p>	<p>Equation Response</p>											
<p>The lengths of several pencils are shown.</p> <table border="1" data-bbox="191 514 479 751"> <thead> <tr> <th colspan="2">Pencil Length (inches)</th> </tr> </thead> <tbody> <tr> <td>Pencil 1</td> <td>6</td> </tr> <tr> <td>Pencil 2</td> <td>9</td> </tr> <tr> <td>Pencil 3</td> <td>6</td> </tr> <tr> <td>Pencil 4</td> <td>8</td> </tr> </tbody> </table> <p>Click to create a line plot that shows these data.</p> 	Pencil Length (inches)		Pencil 1	6	Pencil 2	9	Pencil 3	6	Pencil 4	8	<p>Graphic Response – Drawing/Graphing</p>	
Pencil Length (inches)												
Pencil 1	6											
Pencil 2	9											
Pencil 3	6											
Pencil 4	8											

The lengths of several pencils are shown.

Pencil Length (inches)	
Pencil 1	$5\frac{1}{2}$
Pencil 2	8
Pencil 3	$6\frac{1}{2}$
Pencil 4	5
Pencil 5	$6\frac{1}{2}$
Pencil 6	8

Click to create a line plot that shows these data.



Graphic Response –
Drawing/Graphing