**Grade-Level Standard**  | **DLM Essential Element**  | **Linkage Levels**  
---|---|---  
M.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. For example, given different measurements of liquid in identical beakers, find the amount of liquid each beaker would contain if the total amount in all the beakers were redistributed equally | M.EE.5.MD.2 Represent and interpret data on a picture, line plot, or bar graph | Initial Precursor:  
• Arrange objects in pairs  
• Recognize attribute values  
Distal Precursor:  
• Classify  
• Order objects  
Proximal Precursor:  
• Use bar graphs to read the data  
• Use picture graphs to read the data  
• Use line plots (dot plots) to read the data  
Target:  
• Represent data using bar graph  
• Represent data using picture graph  
• Represent data using line plot (dot plot)  
• Use graphs to read between the data  
Successor:  
• Use graphs to read beyond the data

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A diagram showing the relationship of nodes in the mini-map appears below.

Key to map codes in upper right corner of node boxes:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP</td>
<td>Initial Precursor</td>
</tr>
<tr>
<td>DP</td>
<td>Distal Precursor</td>
</tr>
<tr>
<td>PP</td>
<td>Proximal Precursor</td>
</tr>
<tr>
<td>SP</td>
<td>Supporting</td>
</tr>
<tr>
<td>S</td>
<td>Successor</td>
</tr>
<tr>
<td>UN</td>
<td>Untested</td>
</tr>
<tr>
<td>T</td>
<td>Target</td>
</tr>
</tbody>
</table>

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M.EE.5.MD.2 Represent and interpret data on a picture, line plot, or bar graph

- F-61: arrange objects in pairs
- F-65: recognize attribute values
- M-76: classify
- F-45: order objects
- M-207: gather real world data
- M-1232: ask questions about real world data
- M-1231: organize real world data into categories
- M-209: recognize the structure of a bar graph
- M-326: recognize the structure of a picture graph
- M-2443: recognize the structure of a line plot (dot plot)
- M-2476: choose the appropriate graph for a given set of data
- M-210: use bar graphs to read the data
- M-327: use picture graphs to read the data
- M-2444: use line plots (dot plots) to read the data
- M-211: represent data using bar graph
- M-328: represent data using picture graph
- M-2445: represent data using line plot (dot plot)
- M-214: use graphs to read between the data
- M-2675: use graphs to read beyond the data