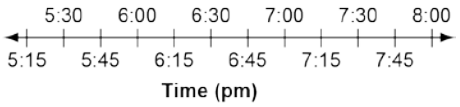
Content Standard	***MAFS.3.MD*** *Measurement and Data* ***MAFS.3.MD.1*** *Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects.* **MAFS.3.MD.1.1** Tell and write time to the nearest minute and measure time intervals in minutes. Solve word problems involving addition and subtraction of time intervals in minutes, e.g., by representing the problem on a number line diagram.
Assessment Limits	Times should be to the nearest minute. Clocks may only be analog.
Calculator	No
Acceptable Response Mechanisms	Equation Response Graphic Response – Drag and Drop, Drawing/Graphing, Hot Spot Multiple Choice Response Table Response
Context	Allowable

Example	
Context	Use time and time intervals to the nearest 15 minutes to solve problems.
Context easier	Tell time to the nearest 60 minutes. Add or subtract minutes within 60 minutes.
Context more difficult	Tell time to any minute. Add and subtract minutes within 120 minutes.

Sample Item Stem	Response Mechanism	Notes, Comments
A clock is shown.  What time is shown on the clock? A. 8:00 a.m. B. 10:00 a.m. C. 12:00 p.m. D. 2:00 p.m.	Multiple Choice Response	

<table>
<tr>
<td>Alex goes to the grocery store at the time shown.
 

What time does Alex go to the grocery store?

A. 7:52
B. 10:07
C. 10:37
D. 11:23</td>
<td>Multiple Choice Response</td>
<td></td>
</tr>
<tr>
<td>Alex arrives at the grocery store at 3:00 p.m. He leaves the grocery store at 5:00 p.m. How many minutes was he in the grocery store?</td>
<td>Equation Response</td>
<td></td>
</tr>
<tr>
<td>Alex arrives at the grocery store at 5:15 p.m. He leaves the grocery store 75 minutes later. Place an arrow on the number line to show the time he left the grocery store.
 
</td>
<td>Graphic Response – Drawing/Graphing</td>
<td></td>
</tr>
<tr>
<td>Alex arrives at the grocery store at 5:17 p.m. He leaves at 5:59 p.m. How many minutes was he in the grocery store?</td>
<td>Equation Response</td>
<td></td>
</tr>
<tr>
<td>Alex has chores every day. The length of time, in minutes, of each chore is shown. He starts at 9:00 a.m. Complete the table to show what time he will start and finish each chore.
<table><tr><th>Chore</th><th>Time it Takes to Complete the Chore</th><th>Start Time</th><th>End Time</th></tr><tr><td>Watering flowers</td><td>12 minutes</td><td>9:00</td><td></td></tr><tr><td>Sweeping kitchen</td><td>7 minutes</td><td></td><td></td></tr><tr><td>Dusting all rooms</td><td>14 minutes</td><td></td><td></td></tr></table></td>
<td>Table Response</td>
<td></td>
</tr>
</table>