

This document contains the answer keys and rubrics for the LEAP Connect Grade 8 Mathematics Practice Test. Information related to item complexity is indicated in the column labeled “Tier” (i.e., 1-4) in the Grade 8 Mathematics Practice Test – Sessions 1-2 tables. Additional information about the item complexity is located in the [LEAP Connect Assessment Guides for Grades 6-8](#).

**Item Type Key**

- MC – multiple choice
- CR – constructed response

**Grade 8 Mathematics Practice Test – Session 1**

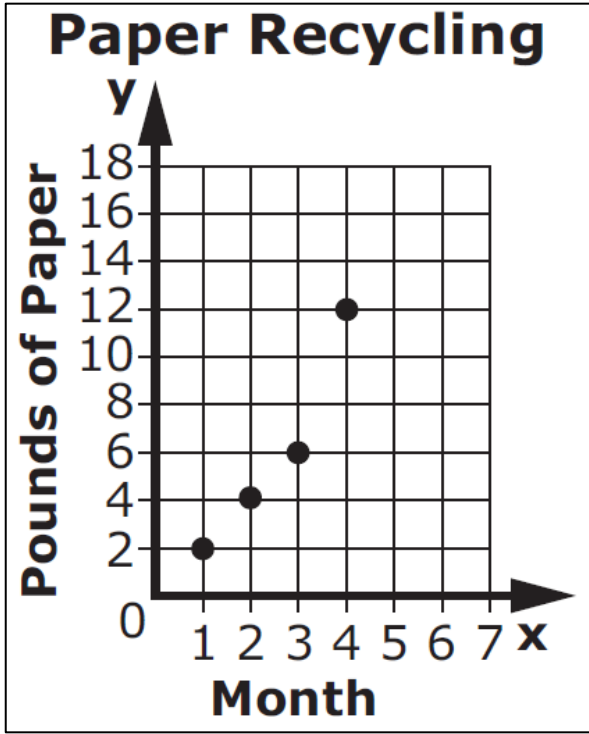
Session 1					
Item #	Item Type	Value (points)	Answer	Tier	LC Alignment
1	MC	1	A	1	LC.8.G.A.4b
2	MC	1	B	1	LC.8.EE.B.5
3	MC	1	A	1	LC.8.SP.A.1c
4	MC	1	A	1	LC.8.G.C.9
5	MC	1	B	2	LC.8.F.B.4
6	MC	1	C	3	LC.8.EE.C.7
7	MC	1	B	2	LC.8.NS.A.2
8	MC	1	A	3	LC.8.SP.A.1c
9	MC	1	B	4	LC.8.F.B.5c
10	MC	1	B	2	LC.8.G.A.2
11	MC	1	C	3	LC.8.EE.B.5
12	MC	1	A	2	LC.8.SP.A.1a
13	MC	1	C	3	LC.8.G.C.9
14	MC	1	A	2	LC.8.F.B.5c
15	MC	1	C	3	LC.8.G.A.2
16	MC	1	B	3	LC.8.F.B.4
17	MC	1	B	2	LC.8.EE.C.7
18	MC	1	B	3	LC.8.NS.A.2
19	MC	1	B	2	LC.8.G.A.4b
20	CR	1	Rubric	4	LC.8.SP.A.1a

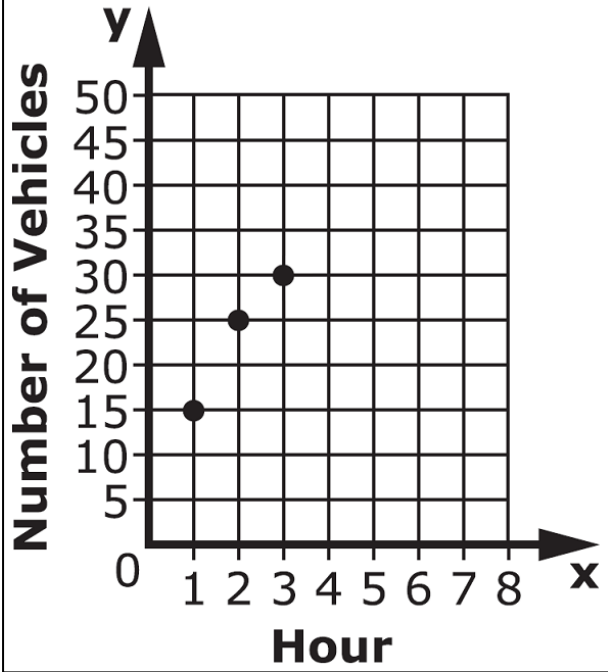
**Grade 8 Mathematics Practice Test – Session 2**

Session 2					
Item #	Item Type	Value (points)	Answer	Tier	LC Alignment
21	MC	1	A	1	LC.8.SP.A.1a
22	MC	1	B	1	LC.8.NS.A.2
23	MC	1	B	1	LC.8.F.B.5c
24	MC	1	A	2	LC.8.G.A.4b
25	MC	1	B	4	LC.8.G.C.9

26	MC	1	A	3	LC.8.EE.C.7
27	MC	1	A	3	LC.8.G.A.4b
28	MC	1	C	2	LC.8.SP.A.1c
29	MC	1	B	3	LC.8.F.B.4
30	MC	1	C	4	LC.8.NS.A.2
31	MC	1	A	2	LC.8.G.C.9
32	MC	1	A	3	LC.8.F.B.5c
33	MC	1	C	2	LC.8.G.A.2
34	MC	1	B	2	LC.8.EE.B.5
35	CR	1	Rubric	3	LC.8.SP.A.1a

Grade 8 Mathematics Practice Test Constructed Response Rubrics

Item 20											
Score	Description										
1	<p>Student correctly plots the ordered pair on the graph.</p> <p>Sample Student Response:</p>  <p>The graph shows the following data points:</p> <table border="1"> <thead> <tr> <th>Month</th> <th>Pounds of Paper</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2</td> </tr> <tr> <td>2</td> <td>4</td> </tr> <tr> <td>3</td> <td>6</td> </tr> <tr> <td>4</td> <td>12</td> </tr> </tbody> </table>	Month	Pounds of Paper	1	2	2	4	3	6	4	12
Month	Pounds of Paper										
1	2										
2	4										
3	6										
4	12										
0	Student does not correctly plot the ordered pair on the graph.										

Score	Description								
1	<p data-bbox="298 268 938 302">Student correctly plots the ordered pair on the graph.</p> <p data-bbox="298 340 613 373">Sample Student Response:</p> <div data-bbox="302 373 906 1113"><h3 data-bbox="425 382 837 436">Traffic Survey</h3><table border="1" data-bbox="302 445 906 1113"><caption>Traffic Survey Data</caption><thead><tr><th>Hour</th><th>Number of Vehicles</th></tr></thead><tbody><tr><td>1</td><td>15</td></tr><tr><td>2</td><td>25</td></tr><tr><td>3</td><td>30</td></tr></tbody></table></div>	Hour	Number of Vehicles	1	15	2	25	3	30
Hour	Number of Vehicles								
1	15								
2	25								
3	30								
0	Student does not plot the ordered pair correctly on the graph								