

Modifying Assessments- Grade 8

Directions: Modify this low cognitive demand problem to a higher cognitive demand problem. Show the new problem on the right and explain your strategy or strategies you used to modify the problem on the left.

LOW cognitive demand problem	HIGH cognitive demand problem												
<p>2. Complete the table for $y = 2x - 7$.</p> <table border="1" data-bbox="310 586 915 662"><tbody><tr><td>x</td><td>-2</td><td>-1</td><td>0</td><td>1</td><td>2</td></tr><tr><td>y</td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>	x	-2	-1	0	1	2	y						
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y													

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<p>5. Write this phrase as an equation:</p> <p>The output (y) is three greater than the input (x).</p>	

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<p data-bbox="235 495 1012 522">6. Which situation could be represented by the following table?</p> <table border="1" data-bbox="321 553 926 626"><tr><td>Day</td><td>0</td><td>1</td><td>2</td></tr><tr><td>Dollars</td><td>3</td><td>5</td><td>7</td></tr></table> <table border="1" data-bbox="321 664 926 847"><tr><td>a.</td><td>Jim adds \$2 to a piggy bank each day.</td></tr><tr><td>b.</td><td>Lois had \$3 in a piggy bank and then added \$2 each day.</td></tr><tr><td>c.</td><td>Ramon adds \$15 to a piggy bank each day.</td></tr><tr><td>d.</td><td>Sally spends \$2 each day.</td></tr></table>	Day	0	1	2	Dollars	3	5	7	a.	Jim adds \$2 to a piggy bank each day.	b.	Lois had \$3 in a piggy bank and then added \$2 each day.	c.	Ramon adds \$15 to a piggy bank each day.	d.	Sally spends \$2 each day.	
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<p>7. Complete a table of values for the following function.</p> <div style="text-align: center; margin: 10px 0;"> </div> <div style="margin-left: auto; margin-right: auto; margin-top: 10px;"> <table border="1" style="border-collapse: collapse; text-align: center;"> <tr> <td style="padding: 2px 10px;">x</td> <td style="width: 20px; height: 15px;"></td> </tr> <tr> <td style="padding: 2px 10px;">y</td> <td style="width: 20px; height: 15px;"></td> </tr> </table> </div>	x						y						
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