

## Lesson 3: Order of Operations

*Directions: Solve each problem. Choose the correct answer.*

<p><b>1. Which step comes first?</b> <math>12 \div 3 \cdot (15 - 6) + 3</math></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 2px;"> <p>(a) If your answer is <b>15 - 6</b> draw the following face, eyes &amp; mouth.</p> </td> <td style="width: 50%; text-align: center; padding: 2px;">  </td> </tr> <tr> <td style="width: 50%; padding: 2px;"> <p>(b) If your answer is <b>12 + 3</b> draw the following face, eyes &amp; mouth.</p> </td> <td style="width: 50%; text-align: center; padding: 2px;">  </td> </tr> </table>	<p>(a) If your answer is <b>15 - 6</b> draw the following face, eyes &amp; mouth.</p>		<p>(b) If your answer is <b>12 + 3</b> draw the following face, eyes &amp; mouth.</p>		<p><b>2. What is the second step?</b> <math>8 \cdot 5 + 14 \div 7 - 3</math></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 2px;"> <p>(a) If your answer is <b>8 \cdot 5</b> draw the following hair &amp; stripes.</p> </td> <td style="width: 50%; text-align: center; padding: 2px;">  </td> </tr> <tr> <td style="width: 50%; padding: 2px;"> <p>(b) If your answer is <b>14 \div 7</b> draw the following hair &amp; stripes.</p> </td> <td style="width: 50%; text-align: center; padding: 2px;">  </td> </tr> </table>	<p>(a) If your answer is <b>8 \cdot 5</b> draw the following hair &amp; stripes.</p>		<p>(b) If your answer is <b>14 \div 7</b> draw the following hair &amp; stripes.</p>		<p><b>3. Which step comes first?</b> <math>2 + 10 \div 5 \cdot 3</math></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 2px;"> <p>(a) If your answer is <b>5 \cdot 3</b> draw the following fence &amp; tail.</p> </td> <td style="width: 50%; text-align: center; padding: 2px;">  </td> </tr> <tr> <td style="width: 50%; padding: 2px;"> <p>(b) If your answer is <b>10 \div 5</b> draw the following fence &amp; tail.</p> </td> <td style="width: 50%; text-align: center; padding: 2px;">  </td> </tr> </table>	<p>(a) If your answer is <b>5 \cdot 3</b> draw the following fence &amp; tail.</p>		<p>(b) If your answer is <b>10 \div 5</b> draw the following fence &amp; tail.</p>	
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<p><b>4. Solve.</b> <math>8 + 7 \cdot 10</math></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 2px;"> <p>(a) If your answer is <b>78</b> draw the following sun in the top left corner.</p> </td> <td style="width: 50%; text-align: center; padding: 2px;">  </td> </tr> <tr> <td style="width: 50%; padding: 2px;"> <p>(b) If your answer is <b>150</b> draw the following sun in the top left corner.</p> </td> <td style="width: 50%; text-align: center; padding: 2px;">  </td> </tr> </table>	<p>(a) If your answer is <b>78</b> draw the following sun in the top left corner.</p>		<p>(b) If your answer is <b>150</b> draw the following sun in the top left corner.</p>		<p><b>5. Solve.</b> <math>10 \div 2 \cdot 5</math></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 2px;"> <p>(a) If your answer is <b>25</b> write the following problem in the sun &amp; solve.</p> </td> <td style="width: 50%; text-align: center; padding: 2px;"> <math>2 + 3^2 \cdot 4</math> </td> </tr> <tr> <td style="width: 50%; padding: 2px;"> <p>(b) If your answer is <b>1</b> write the following problem in the sun &amp; solve.</p> </td> <td style="width: 50%; text-align: center; padding: 2px;"> <math>5 + 3^2 \cdot 2</math> </td> </tr> </table>	<p>(a) If your answer is <b>25</b> write the following problem in the sun &amp; solve.</p>	$2 + 3^2 \cdot 4$	<p>(b) If your answer is <b>1</b> write the following problem in the sun &amp; solve.</p>	$5 + 3^2 \cdot 2$	<p><b>6. Solve</b> <math>20 \div 4 + 2 \cdot 5</math></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 2px;"> <p>(a) If your answer is <b>35</b> draw the following 3 signs on the fence.</p> </td> <td style="width: 50%; text-align: center; padding: 2px;">  </td> </tr> <tr> <td style="width: 50%; padding: 2px;"> <p>(b) If your answer is <b>15</b> draw the following 3 signs on the fence.</p> </td> <td style="width: 50%; text-align: center; padding: 2px;">  </td> </tr> </table>	<p>(a) If your answer is <b>35</b> draw the following 3 signs on the fence.</p>		<p>(b) If your answer is <b>15</b> draw the following 3 signs on the fence.</p>	
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**Rosina Ehmann**



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