

Order of Operations

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<p>1a. Match the calculation to the correct answer.</p> <table border="0"> <tr> <td>A. $9 + 3 \times 6$</td> <td>21</td> </tr> <tr> <td>B. $8 \times 6 \div 2$</td> <td>27</td> </tr> <tr> <td>C. $9 + 2 \times 6$</td> <td>24</td> </tr> </table> <p>★</p>	A. $9 + 3 \times 6$	21	B. $8 \times 6 \div 2$	27	C. $9 + 2 \times 6$	24	<p>1b. Match the calculation to the correct answer.</p> <table border="0"> <tr> <td>A. $4 \times 4 + 8$</td> <td>36</td> </tr> <tr> <td>B. $9 \times 3 - 8$</td> <td>24</td> </tr> <tr> <td>C. $8 \div 2 \times 9$</td> <td>19</td> </tr> </table> <p>★</p>	A. $4 \times 4 + 8$	36	B. $9 \times 3 - 8$	24	C. $8 \div 2 \times 9$	19
A. $9 + 3 \times 6$	21												
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<p>2a. Find the missing number.</p> <p>$4 + \text{★} \times 2 = 16$</p> <p>★</p>	<p>2b. Find the missing number.</p> <p>$9 \div 3 + \text{★} = 11$</p> <p>★</p>												
<p>3a. Which calculation below gives the following answer?</p> <p>110</p> <table border="0"> <tr> <td>A. $12 \times 9 + 2$</td> <td>C. $8 + 4 \times 11$</td> </tr> <tr> <td>B. $9 \times 11 + 10$</td> <td>D. $12 - 4 \div 2$</td> </tr> </table> <p>★</p>	A. $12 \times 9 + 2$	C. $8 + 4 \times 11$	B. $9 \times 11 + 10$	D. $12 - 4 \div 2$	<p>3b. Which calculation below gives the following answer?</p> <p>28</p> <table border="0"> <tr> <td>A. $2 + 7 \times 8$</td> <td>C. $12 + 2 \times 8$</td> </tr> <tr> <td>B. $12 \times 7 - 8$</td> <td>D. $9 \times 8 + 14$</td> </tr> </table> <p>★</p>	A. $2 + 7 \times 8$	C. $12 + 2 \times 8$	B. $12 \times 7 - 8$	D. $9 \times 8 + 14$				
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<p>4a. Underline the calculation which should come first in each calculation to make them correct.</p> <table border="0"> <tr> <td>A. $6 + 2 \times 8 = 22$</td> </tr> <tr> <td>B. $7 + 3 \times 9 = 34$</td> </tr> <tr> <td>C. $8 \div 2 \times 7 = 28$</td> </tr> </table> <p>★</p>	A. $6 + 2 \times 8 = 22$	B. $7 + 3 \times 9 = 34$	C. $8 \div 2 \times 7 = 28$	<p>4b. Underline the calculation which should come first in each calculation to make them correct.</p> <table border="0"> <tr> <td>A. $3 + 9 \times 2 = 21$</td> </tr> <tr> <td>B. $28 - 3 \times 7 = 7$</td> </tr> <tr> <td>C. $8 \times 9 \div 3 = 24$</td> </tr> </table> <p>★</p>	A. $3 + 9 \times 2 = 21$	B. $28 - 3 \times 7 = 7$	C. $8 \times 9 \div 3 = 24$						
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Varied Fluency – Order of Operations – Year 6 Developing

<p>5a. Match the calculation to the correct answer.</p> <table border="0"> <tr> <td>A. $10 \times (16 - 4)$</td> <td>35</td> </tr> <tr> <td>B. $12 \times 9 - 18$</td> <td>120</td> </tr> <tr> <td>C. $45 \div 9 \times 7$</td> <td>90</td> </tr> </table> <p>★</p>	A. $10 \times (16 - 4)$	35	B. $12 \times 9 - 18$	120	C. $45 \div 9 \times 7$	90	<p>5b. Match the calculation to the correct answer.</p> <table border="0"> <tr> <td>A. $9 \times 6 + 22$</td> <td>64</td> </tr> <tr> <td>B. $7 \times 12 - 20$</td> <td>9</td> </tr> <tr> <td>C. $72 \div (4 \times 2)$</td> <td>76</td> </tr> </table> <p>★</p>	A. $9 \times 6 + 22$	64	B. $7 \times 12 - 20$	9	C. $72 \div (4 \times 2)$	76
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<p>6a. Find the missing number.</p> <p>$12 + 36 \div \text{★} = 18$</p> <p>★</p>	<p>6b. Find the missing number.</p> <p>$\text{★} - 49 \div 7 = 23$</p> <p>★</p>												
<p>7a. Which calculation below gives the following answer?</p> <p>130</p> <table border="0"> <tr> <td>A. $12 \times 7 + (9 \times 2)$</td> <td>C. $(8 + 4) \times 11 - 2$</td> </tr> <tr> <td>B. $9 \times 11 + 10$</td> <td>D. $12 \times (12 - 4) + 2$</td> </tr> </table> <p>★</p>	A. $12 \times 7 + (9 \times 2)$	C. $(8 + 4) \times 11 - 2$	B. $9 \times 11 + 10$	D. $12 \times (12 - 4) + 2$	<p>7b. Which calculation below gives the following answer?</p> <p>76</p> <table border="0"> <tr> <td>A. $(2 + 7) \times 8 + 10$</td> <td>C. $(10 + 2) \times 8 - 2$</td> </tr> <tr> <td>B. $12 \times 7 - 8$</td> <td>D. $9 \times (8 - 2) + 14$</td> </tr> </table> <p>★</p>	A. $(2 + 7) \times 8 + 10$	C. $(10 + 2) \times 8 - 2$	B. $12 \times 7 - 8$	D. $9 \times (8 - 2) + 14$				
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<p>8a. Add brackets to each calculation to make them correct.</p> <table border="0"> <tr> <td>A. $12 + 14 \div 2 = 13$</td> </tr> <tr> <td>B. $11 \times 12 - 5 = 77$</td> </tr> <tr> <td>C. $9 \div 3 \times 22 - 12 = 30$</td> </tr> </table> <p>★</p>	A. $12 + 14 \div 2 = 13$	B. $11 \times 12 - 5 = 77$	C. $9 \div 3 \times 22 - 12 = 30$	<p>8b. Add brackets to each calculation to make them correct.</p> <table border="0"> <tr> <td>A. $12 \times 4 + 8 = 144$</td> </tr> <tr> <td>B. $9 \times 18 - 7 = 99$</td> </tr> <tr> <td>C. $48 \div 12 \times 6 - 2 = 16$</td> </tr> </table> <p>★</p>	A. $12 \times 4 + 8 = 144$	B. $9 \times 18 - 7 = 99$	C. $48 \div 12 \times 6 - 2 = 16$						
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Varied Fluency – Order of Operations – Year 6 Expected

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<p>9a. Match the calculation to the correct answer.</p> <table border="0"> <tr> <td>A. $48 \div 4 + 4^2$</td> <td>54</td> </tr> <tr> <td>B. $0.5 \times (12 \times 6) + 18$</td> <td>43</td> </tr> <tr> <td>C. $\frac{1}{2} \times 6^2 + 25$</td> <td>28</td> </tr> </table> <p>★</p>	A. $48 \div 4 + 4^2$	54	B. $0.5 \times (12 \times 6) + 18$	43	C. $\frac{1}{2} \times 6^2 + 25$	28	<p>9b. Match the calculation to the correct answer.</p> <table border="0"> <tr> <td>A. $12 \times 2^2 + 32$</td> <td>74</td> </tr> <tr> <td>B. $9 \times 11 - 5^2$</td> <td>8</td> </tr> <tr> <td>C. $64 \div (\frac{1}{4} \times 32)$</td> <td>80</td> </tr> </table> <p>★</p>	A. $12 \times 2^2 + 32$	74	B. $9 \times 11 - 5^2$	8	C. $64 \div (\frac{1}{4} \times 32)$	80
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C. $64 \div (\frac{1}{4} \times 32)$	80												
<p>10a. Find the missing number.</p> <p>$8^2 - 28 \div \text{★} = 60$</p> <p>★</p>	<p>10b. Find the missing number.</p> <p>$\text{★} \div 3^2 + 12 = 20$</p> <p>★</p>												
<p>11a. Which calculation below gives the following answer?</p> <p>110</p> <table border="0"> <tr> <td>A. $40 + 8^2 - 14$</td> <td>C. $(9^2 - 9) + 40$</td> </tr> <tr> <td>B. $(\frac{1}{2} \times 20) \times 11$</td> <td>D. $12 \times (6 + 4) + 2$</td> </tr> </table> <p>★</p>	A. $40 + 8^2 - 14$	C. $(9^2 - 9) + 40$	B. $(\frac{1}{2} \times 20) \times 11$	D. $12 \times (6 + 4) + 2$	<p>11b. Which calculation below gives the following answer?</p> <p>152</p> <table border="0"> <tr> <td>A. $(4 + 7) \times 8 + 12$</td> <td>C. $12 \times 11 + 4 \times 5$</td> </tr> <tr> <td>B. $(9 + 7) \div 2 \times 12$</td> <td>D. $11 \times (7 - 2) + 3$</td> </tr> </table> <p>★</p>	A. $(4 + 7) \times 8 + 12$	C. $12 \times 11 + 4 \times 5$	B. $(9 + 7) \div 2 \times 12$	D. $11 \times (7 - 2) + 3$				
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<p>12a. Add brackets to each calculation to make them correct.</p> <table border="0"> <tr> <td>A. $20 - 8 \times 12 \div 4 = 36$</td> </tr> <tr> <td>B. $9^2 - 31 \div 10 = 5$</td> </tr> <tr> <td>C. $12 \div 3 \times 2 + 20 = 22$</td> </tr> </table> <p>★</p>	A. $20 - 8 \times 12 \div 4 = 36$	B. $9^2 - 31 \div 10 = 5$	C. $12 \div 3 \times 2 + 20 = 22$	<p>12b. Add brackets to each calculation to make them correct.</p> <table border="0"> <tr> <td>A. $18 - 6 \times 48 \div 4 = 144$</td> </tr> <tr> <td>B. $28 \div 7 \times 8 - 5 = 12$</td> </tr> <tr> <td>C. $4^2 - 8 \times 12 = 96$</td> </tr> </table> <p>★</p>	A. $18 - 6 \times 48 \div 4 = 144$	B. $28 \div 7 \times 8 - 5 = 12$	C. $4^2 - 8 \times 12 = 96$						
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