

### Multiplication: Double-Digit x Double-Digit Partial Product Box

1. Break apart (expanded form)  $(68 = 60 + 8)$ .
2. Draw a box and split it into 4.
3. Write the first expanded number on top and write the second number expanded vertically on the left.
4. Find each product in the aligned box.
5. Add all partial products.

Name \_\_\_\_\_

Date \_\_\_\_\_

<p>1. <math>32 \times 21</math></p> <p style="margin-left: 40px;"><math>30 \quad 2</math></p> <table border="1" style="margin-left: 40px; border-collapse: collapse;"> <tr> <td style="padding: 5px;">20</td> <td style="padding: 5px;">600</td> <td style="padding: 5px;">40</td> </tr> <tr> <td style="padding: 5px;">1</td> <td style="padding: 5px;">30</td> <td style="padding: 5px;"></td> </tr> </table> <p style="margin-left: 40px;"> <math>600</math>  <math>40</math>  <math>30</math>  <math>+</math>  <input style="width: 100px; height: 20px;" type="text"/> </p>	20	600	40	1	30		<p>2. <math>54 \times 26</math></p> <p style="margin-left: 40px;"><math>50 \quad 4</math></p> <table border="1" style="margin-left: 40px; border-collapse: collapse;"> <tr> <td style="padding: 5px;">20</td> <td style="padding: 5px;"></td> <td style="padding: 5px;">80</td> </tr> <tr> <td style="padding: 5px;">6</td> <td style="padding: 5px;"></td> <td style="padding: 5px;">24</td> </tr> </table> <p style="margin-left: 40px;"> <math>80</math>  <math>24</math>  <math>+</math>  <input style="width: 100px; height: 20px;" type="text"/> </p>	20		80	6		24	<p>3. <math>64 \times 38</math></p> <p style="margin-left: 40px;"><math>60 \quad 4</math></p> <table border="1" style="margin-left: 40px; border-collapse: collapse;"> <tr> <td style="padding: 5px;">30</td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> </tr> <tr> <td style="padding: 5px;">8</td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> </tr> </table> <p style="margin-left: 40px;"> <math>+</math>  <input style="width: 100px; height: 20px;" type="text"/> </p>	30			8		
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<p>4. <math>24 \times 23</math></p> <table border="1" style="margin-left: 40px; border-collapse: collapse; width: 100px; height: 60px;"> <tr> <td style="width: 50%; height: 30px;"></td> <td style="width: 50%; height: 30px;"></td> </tr> <tr> <td style="width: 50%; height: 30px;"></td> <td style="width: 50%; height: 30px;"></td> </tr> </table>					<p>5. <math>41 \times 26</math></p> <table border="1" style="margin-left: 40px; border-collapse: collapse; width: 100px; height: 60px;"> <tr> <td style="width: 50%; height: 30px;"></td> <td style="width: 50%; height: 30px;"></td> </tr> <tr> <td style="width: 50%; height: 30px;"></td> <td style="width: 50%; height: 30px;"></td> </tr> </table>					<p>6. <math>52 \times 34</math></p> <table border="1" style="margin-left: 40px; border-collapse: collapse; width: 100px; height: 60px;"> <tr> <td style="width: 50%; height: 30px;"></td> <td style="width: 50%; height: 30px;"></td> </tr> <tr> <td style="width: 50%; height: 30px;"></td> <td style="width: 50%; height: 30px;"></td> </tr> </table>										