

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

1. Break apart (expanded form) [$30 = 30 + 2$].
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 _____

1. 32 x 21 30 2 <table border="1" style="margin-left: 40px; border-collapse: collapse; text-align: center;"> <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> 600 40 30 + <table border="1" style="margin-left: 40px; border-collapse: collapse; width: 100px;"> <tr> <td style="text-align: center; padding: 5px;">672</td> </tr> </table>	20	600	40	1	30		672	2. 54 x 26 50 4 <table border="1" style="margin-left: 40px; border-collapse: collapse; text-align: center;"> <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> 80 24 + <table border="1" style="margin-left: 40px; border-collapse: collapse; width: 100px;"> <tr> <td style="height: 20px;"></td> </tr> </table>	20		80	6		24		3. 64 x 38 60 4 <table border="1" style="margin-left: 40px; border-collapse: collapse; text-align: center;"> <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> + <table border="1" style="margin-left: 40px; border-collapse: collapse; width: 100px;"> <tr> <td style="height: 20px;"></td> </tr> </table>	30			8			
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