

# Distributive Grid multiplication with two two-digit numbers (2x2)

*Solutions are on page 2*

<p>(1) <math>37 \times 49 = 1,813</math></p> <table border="1"><tr><td></td><td>tens</td><td>ones</td><td></td></tr><tr><td></td><td>30</td><td>7</td><td></td></tr><tr><td>1,200</td><td>1,200</td><td>280</td><td>tens</td></tr><tr><td>280</td><td></td><td></td><td>40</td></tr><tr><td>270</td><td>270</td><td>63</td><td>ones</td></tr><tr><td>63</td><td></td><td></td><td>9</td></tr></table> <p>+ _____</p> <p>1,813</p>		tens	ones			30	7		1,200	1,200	280	tens	280			40	270	270	63	ones	63			9	<p>(2) <math>15 \times 46 =</math></p>	<p>(3) <math>28 \times 51 =</math></p>
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<p>(4) <math>27 \times 30 =</math></p>	<p>(5) <math>29 \times 39 =</math></p>	<p>(6) <math>24 \times 60 =</math></p>																								
<p>(7) <math>13 \times 41 =</math></p>	<p>(8) <math>88 \times 14 =</math></p>	<p>(9) <math>94 \times 50 =</math></p>																								
<p>(10) <math>76 \times 50 =</math></p>	<p>(11) <math>96 \times 41 =</math></p>	<p>(12) <math>34 \times 56 =</math></p>																								

# Distributive Grid multiplication with two two-digit numbers (2x2)

Also see video: *'Multiplying Multi-Digit Numbers with the Distributive Grid Method'*

<p>(1) <math>37 \times 49 = 1,813</math></p> <table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <td style="text-align: center; padding: 0 5px;">tens</td> <td style="text-align: center; padding: 0 5px;">ones</td> <td colspan="2"></td> <td></td> </tr> <tr> <td style="text-align: center; padding: 0 5px;">30</td> <td style="text-align: center; padding: 0 5px;">7</td> <td colspan="2"></td> <td></td> </tr> <tr> <td style="padding: 5px;">1,200</td> <td style="padding: 5px;">280</td> <td style="border: 1px solid black; padding: 5px;">1,200</td> <td style="border: 1px solid black; padding: 5px;">280</td> <td style="padding: 5px;">tens 40</td> </tr> <tr> <td style="padding: 5px;">270</td> <td style="padding: 5px;">63</td> <td style="border: 1px solid black; padding: 5px;">270</td> <td style="border: 1px solid black; padding: 5px;">63</td> <td style="padding: 5px;">ones 9</td> </tr> <tr> <td style="padding: 5px;">+ _____</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="5" style="text-align: center; padding: 5px;">1,813</td> </tr> </table>	tens	ones				30	7				1,200	280	1,200	280	tens 40	270	63	270	63	ones 9	+ _____					1,813					<p>(2) <math>15 \times 46 = 690</math></p> <table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <td style="text-align: center; padding: 0 5px;">tens</td> <td style="text-align: center; padding: 0 5px;">ones</td> <td colspan="2"></td> <td></td> </tr> <tr> <td style="text-align: center; padding: 0 5px;">10</td> <td style="text-align: center; padding: 0 5px;">5</td> <td colspan="2"></td> <td></td> </tr> <tr> <td style="padding: 5px;">400</td> <td style="padding: 5px;">200</td> <td style="border: 1px solid black; padding: 5px;">400</td> <td style="border: 1px solid black; padding: 5px;">200</td> <td style="padding: 5px;">tens 40</td> </tr> <tr> <td style="padding: 5px;">60</td> <td style="padding: 5px;">30</td> <td style="border: 1px solid black; padding: 5px;">60</td> <td style="border: 1px solid black; padding: 5px;">30</td> <td style="padding: 5px;">ones 6</td> </tr> <tr> <td style="padding: 5px;">+ _____</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="5" style="text-align: center; padding: 5px;">690</td> </tr> </table>	tens	ones				10	5				400	200	400	200	tens 40	60	30	60	30	ones 6	+ _____					690					<p>(3) <math>28 \times 51 = 1,428</math></p> <table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <td style="text-align: center; padding: 0 5px;">tens</td> <td style="text-align: center; padding: 0 5px;">ones</td> <td colspan="2"></td> <td></td> </tr> <tr> <td style="text-align: center; padding: 0 5px;">20</td> <td style="text-align: center; padding: 0 5px;">8</td> <td colspan="2"></td> <td></td> </tr> <tr> <td style="padding: 5px;">1,000</td> <td style="padding: 5px;">400</td> <td style="border: 1px solid black; padding: 5px;">1,000</td> <td style="border: 1px solid black; padding: 5px;">400</td> <td style="padding: 5px;">tens 50</td> </tr> <tr> <td style="padding: 5px;">20</td> <td style="padding: 5px;">8</td> <td style="border: 1px solid black; padding: 5px;">20</td> <td style="border: 1px solid black; padding: 5px;">8</td> <td style="padding: 5px;">ones 1</td> </tr> <tr> <td style="padding: 5px;">+ _____</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="5" style="text-align: center; padding: 5px;">1,428</td> </tr> </table>	tens	ones				20	8				1,000	400	1,000	400	tens 50	20	8	20	8	ones 1	+ _____					1,428				
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