

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

Solutions are on page 2

<p>(1) $37 \times 49 = 1,813$</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) $43 \times 94 =$</p>	<p>(3) $51 \times 89 =$</p>
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<p>(4) $75 \times 61 =$</p>	<p>(5) $26 \times 71 =$</p>	<p>(6) $29 \times 38 =$</p>																								
<p>(7) $43 \times 85 =$</p>	<p>(8) $38 \times 36 =$</p>	<p>(9) $46 \times 26 =$</p>																								
<p>(10) $74 \times 96 =$</p>	<p>(11) $48 \times 50 =$</p>	<p>(12) $62 \times 86 =$</p>																								

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

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

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<p>(4) $75 \times 61 = 4,575$</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td></td> <td style="text-align: center;">tens</td> <td style="text-align: center;">ones</td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">70</td> <td style="text-align: center;">5</td> <td></td> </tr> </table> <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: right;">4,200</td> <td style="border: 1px solid black; padding: 5px;">4,200</td> <td style="border: 1px solid black; padding: 5px;">300</td> <td style="text-align: left;">tens</td> </tr> <tr> <td style="text-align: right;">300</td> <td style="border: 1px solid black; padding: 5px;">70</td> <td style="border: 1px solid black; padding: 5px;">5</td> <td style="text-align: left;">ones</td> </tr> </table> <p style="text-align: right; margin-right: 20px;">60 1</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: right;">+ _____</td> <td style="text-align: right;">4,575</td> </tr> </table>		tens	ones			70	5		4,200	4,200	300	tens	300	70	5	ones	+ _____	4,575	<p>(5) $26 \times 71 = 1,846$</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td></td> <td style="text-align: center;">tens</td> <td style="text-align: center;">ones</td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">20</td> <td style="text-align: center;">6</td> <td></td> </tr> </table> <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: right;">1,400</td> <td style="border: 1px solid black; padding: 5px;">1,400</td> <td style="border: 1px solid black; padding: 5px;">420</td> <td style="text-align: left;">tens</td> </tr> <tr> <td style="text-align: right;">420</td> <td style="border: 1px solid black; padding: 5px;">20</td> <td style="border: 1px solid black; padding: 5px;">6</td> <td style="text-align: left;">ones</td> </tr> </table> <p style="text-align: right; margin-right: 20px;">70 1</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: right;">+ _____</td> <td style="text-align: right;">1,846</td> </tr> </table>		tens	ones			20	6		1,400	1,400	420	tens	420	20	6	ones	+ _____	1,846	<p>(6) $29 \times 38 = 1,102$</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td></td> <td style="text-align: center;">tens</td> <td style="text-align: center;">ones</td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">20</td> <td style="text-align: center;">9</td> <td></td> </tr> </table> <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: right;">600</td> <td style="border: 1px solid black; padding: 5px;">600</td> <td style="border: 1px solid black; padding: 5px;">270</td> <td style="text-align: left;">tens</td> </tr> <tr> <td style="text-align: right;">270</td> <td style="border: 1px solid black; padding: 5px;">160</td> <td style="border: 1px solid black; padding: 5px;">72</td> <td style="text-align: left;">ones</td> </tr> </table> <p style="text-align: right; margin-right: 20px;">30 8</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: right;">+ _____</td> <td style="text-align: right;">1,102</td> </tr> </table>		tens	ones			20	9		600	600	270	tens	270	160	72	ones	+ _____	1,102
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