

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) $93 \times 48 =$</p>	<p>(3) $44 \times 84 =$</p>
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<p>(4) $94 \times 60 =$</p>	<p>(5) $47 \times 48 =$</p>	<p>(6) $62 \times 51 =$</p>																								
<p>(7) $78 \times 24 =$</p>	<p>(8) $58 \times 17 =$</p>	<p>(9) $91 \times 35 =$</p>																								
<p>(10) $27 \times 29 =$</p>	<p>(11) $21 \times 72 =$</p>	<p>(12) $14 \times 93 =$</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>(7) $78 \times 24 = 1,872$</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">tens</td> <td style="text-align: center;">ones</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">70</td> <td style="text-align: center;">8</td> <td></td> <td></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;">160</td> <td style="text-align: left;">tens</td> <td></td> </tr> <tr> <td style="text-align: right;">160</td> <td></td> <td></td> <td></td> <td style="text-align: right;">20</td> </tr> <tr> <td style="text-align: right;">280</td> <td style="border: 1px solid black; padding: 5px;">280</td> <td style="border: 1px solid black; padding: 5px;">32</td> <td style="text-align: left;">ones</td> <td></td> </tr> <tr> <td style="text-align: right;">32</td> <td></td> <td></td> <td></td> <td style="text-align: right;">4</td> </tr> </table> <p>+ _____</p> <p style="text-align: center;">1,872</p>	tens	ones				70	8				1,400	1,400	160	tens		160				20	280	280	32	ones		32				4	<p>(8) $58 \times 17 = 986$</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">tens</td> <td style="text-align: center;">ones</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">50</td> <td style="text-align: center;">8</td> <td></td> <td></td> <td></td> </tr> </table> <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: right;">500</td> <td style="border: 1px solid black; padding: 5px;">500</td> <td style="border: 1px solid black; padding: 5px;">80</td> <td style="text-align: left;">tens</td> <td></td> </tr> <tr> <td style="text-align: right;">80</td> <td></td> <td></td> <td></td> <td style="text-align: right;">10</td> </tr> <tr> <td style="text-align: right;">350</td> <td style="border: 1px solid black; padding: 5px;">350</td> <td style="border: 1px solid black; padding: 5px;">56</td> <td style="text-align: left;">ones</td> <td></td> </tr> <tr> <td style="text-align: right;">56</td> <td></td> <td></td> <td></td> <td style="text-align: right;">7</td> </tr> </table> <p>+ _____</p> <p style="text-align: center;">986</p>	tens	ones				50	8				500	500	80	tens		80				10	350	350	56	ones		56				7	<p>(9) $91 \times 35 = 3,185$</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">tens</td> <td style="text-align: center;">ones</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">90</td> <td style="text-align: center;">1</td> <td></td> <td></td> <td></td> </tr> </table> <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: right;">2,700</td> <td style="border: 1px solid black; padding: 5px;">2,700</td> <td style="border: 1px solid black; padding: 5px;">30</td> <td style="text-align: left;">tens</td> <td></td> </tr> <tr> <td style="text-align: right;">30</td> <td></td> <td></td> <td></td> <td style="text-align: right;">30</td> </tr> <tr> <td style="text-align: right;">450</td> <td style="border: 1px solid black; padding: 5px;">450</td> <td style="border: 1px solid black; padding: 5px;">5</td> <td style="text-align: left;">ones</td> <td></td> </tr> <tr> <td style="text-align: right;">5</td> <td></td> <td></td> <td></td> <td style="text-align: right;">5</td> </tr> </table> <p>+ _____</p> <p style="text-align: center;">3,185</p>	tens	ones				90	1				2,700	2,700	30	tens		30				30	450	450	5	ones		5				5
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