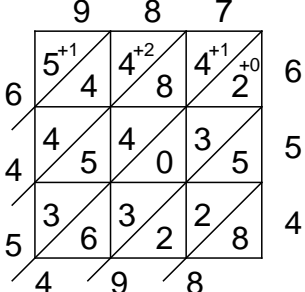


Lattice multiplication with two three-digit numbers (3x3)

Solutions are on page 2

<p>(1) $987 \times 654 = 645,498$</p> 	<p>(2) $181 \times 749 =$</p>	<p>(3) $192 \times 140 =$</p>
<p>(4) $338 \times 497 =$</p>	<p>(5) $613 \times 103 =$</p>	<p>(6) $342 \times 726 =$</p>
<p>(7) $127 \times 528 =$</p>	<p>(8) $122 \times 518 =$</p>	<p>(9) $162 \times 997 =$</p>
<p>(10) $228 \times 610 =$</p>	<p>(11) $595 \times 696 =$</p>	<p>(12) $745 \times 443 =$</p>

Lattice multiplication with two three-digit numbers (3x3)

Also see the Worksheets and Walkthroughs video: 'Multiplication--The Lattice Method'

<p>(1) $987 \times 654 = 645,498$</p> <table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr><td></td><td style="text-align: center;">9</td><td style="text-align: center;">8</td><td style="text-align: center;">7</td><td></td></tr> <tr><td style="border-right: 1px solid black; border-bottom: 1px solid black;">6</td><td style="border-right: 1px solid black; border-bottom: 1px solid black;">5⁺¹ / 4</td><td style="border-right: 1px solid black; border-bottom: 1px solid black;">4⁺² / 8</td><td style="border-bottom: 1px solid black;">4⁺¹ / 2⁺⁰</td><td style="border-left: 1px solid black; border-bottom: 1px solid black;">6</td></tr> <tr><td style="border-right: 1px solid black; border-bottom: 1px solid black;">4</td><td style="border-right: 1px solid black; border-bottom: 1px solid black;">4 / 5</td><td style="border-right: 1px solid black; border-bottom: 1px solid black;">4 / 0</td><td style="border-bottom: 1px solid black;">3 / 5</td><td style="border-left: 1px solid black; 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<p>(4) $338 \times 497 = 167,986$</p> <table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr><td></td><td style="text-align: center;">3</td><td style="text-align: center;">3</td><td style="text-align: center;">8</td><td></td></tr> <tr><td style="border-right: 1px solid black; border-bottom: 1px solid black;">1</td><td style="border-right: 1px solid black; border-bottom: 1px solid black;">1⁺⁰ / 2</td><td style="border-right: 1px solid black; border-bottom: 1px solid black;">1⁺¹ / 2</td><td style="border-bottom: 1px solid black;">3⁺¹ / 2⁺⁰</td><td style="border-left: 1px solid black; border-bottom: 1px solid black;">4</td></tr> <tr><td style="border-right: 1px solid black; border-bottom: 1px solid black;">6</td><td style="border-right: 1px solid black; border-bottom: 1px solid black;">2 / 7</td><td style="border-right: 1px solid black; border-bottom: 1px solid black;">2 / 7</td><td style="border-bottom: 1px solid black;">7 / 2</td><td style="border-left: 1px solid black; 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<p>(10) $228 \times 610 = 139,080$</p> <table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr><td></td><td style="text-align: center;">2</td><td style="text-align: center;">2</td><td style="text-align: center;">8</td><td></td></tr> <tr><td style="border-right: 1px solid black; border-bottom: 1px solid black;">1</td><td style="border-right: 1px solid black; border-bottom: 1px solid black;">1⁺⁰ / 2</td><td style="border-right: 1px solid black; border-bottom: 1px solid black;">1⁺⁰ / 2</td><td style="border-bottom: 1px solid black;">4⁺¹ / 8⁺⁰</td><td style="border-left: 1px solid black; border-bottom: 1px solid black;">6</td></tr> <tr><td style="border-right: 1px solid black; border-bottom: 1px solid black;">3</td><td style="border-right: 1px solid black; border-bottom: 1px solid black;">0 / 2</td><td style="border-right: 1px solid black; border-bottom: 1px solid black;">0 / 2</td><td style="border-bottom: 1px solid black;">0 / 8</td><td style="border-left: 1px solid black; 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border-bottom: 1px solid black;">3⁺¹ / 0</td><td style="border-right: 1px solid black; border-bottom: 1px solid black;">5⁺² / 4</td><td style="border-bottom: 1px solid black;">3⁺¹ / 0⁺¹</td><td style="border-left: 1px solid black; border-bottom: 1px solid black;">6</td></tr> <tr><td style="border-right: 1px solid black; border-bottom: 1px solid black;">1</td><td style="border-right: 1px solid black; border-bottom: 1px solid black;">4 / 5</td><td style="border-right: 1px solid black; border-bottom: 1px solid black;">8 / 1</td><td style="border-bottom: 1px solid black;">4 / 5</td><td style="border-left: 1px solid black; border-bottom: 1px solid black;">9</td></tr> <tr><td style="border-right: 1px solid black; border-bottom: 1px solid black;">4</td><td style="border-right: 1px solid black; border-bottom: 1px solid black;">3 / 0</td><td style="border-right: 1px solid black; border-bottom: 1px solid black;">5 / 4</td><td style="border-bottom: 1px solid black;">3 / 0</td><td style="border-left: 1px solid black; 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