

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) $91 \times 97 =$</p> | <p>(3) $68 \times 85 =$</p> |
| | tens | ones | | | | | | | | | | | | | | | | | | | | | | | | |
| | 30 | 7 | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,200 | 1,200 | 280 | tens | | | | | | | | | | | | | | | | | | | | | | | |
| 280 | | | 40 | | | | | | | | | | | | | | | | | | | | | | | |
| 270 | 270 | 63 | ones | | | | | | | | | | | | | | | | | | | | | | | |
| 63 | | | 9 | | | | | | | | | | | | | | | | | | | | | | | |
| <p>(4) $42 \times 29 =$</p> | <p>(5) $34 \times 47 =$</p> | <p>(6) $26 \times 97 =$</p> | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>(7) $78 \times 18 =$</p> | <p>(8) $93 \times 74 =$</p> | <p>(9) $56 \times 52 =$</p> | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>(10) $11 \times 16 =$</p> | <p>(11) $86 \times 25 =$</p> | <p>(12) $74 \times 45 =$</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>(1) $37 \times 49 = 1,813$</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;">30</td> <td style="text-align: center;">7</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">1,200</td> <td style="border: 1px solid black; padding: 5px;">1,200</td> <td style="border: 1px solid black; padding: 5px;">280</td> <td style="text-align: left;">tens</td> <td></td> </tr> <tr> <td style="text-align: right;">280</td> <td></td> <td></td> <td style="text-align: right;">40</td> <td></td> </tr> <tr> <td style="text-align: right;">270</td> <td style="border: 1px solid black; padding: 5px;">270</td> <td style="border: 1px solid black; padding: 5px;">63</td> <td style="text-align: left;">ones</td> <td></td> </tr> <tr> <td style="text-align: right;">63</td> <td></td> <td></td> <td style="text-align: right;">9</td> <td></td> </tr> <tr> <td style="text-align: right;">+ _____</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td style="text-align: right;">1,813</td> </tr> </table> | tens | ones | | | | 30 | 7 | | | | 1,200 | 1,200 | 280 | tens | | 280 | | | 40 | | 270 | 270 | 63 | ones | | 63 | | | 9 | | + _____ | | | | | | | | | 1,813 | <p>(2) $91 \times 97 = 8,827$</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> <tr> <td style="text-align: right;">8,100</td> <td style="border: 1px solid black; padding: 5px;">8,100</td> <td style="border: 1px solid black; padding: 5px;">90</td> <td style="text-align: left;">tens</td> <td></td> </tr> <tr> <td style="text-align: right;">90</td> <td></td> <td></td> <td style="text-align: right;">90</td> <td></td> </tr> <tr> <td style="text-align: right;">630</td> <td style="border: 1px solid black; padding: 5px;">630</td> <td style="border: 1px solid black; padding: 5px;">7</td> <td style="text-align: left;">ones</td> <td></td> </tr> <tr> <td style="text-align: right;">7</td> <td></td> <td></td> <td style="text-align: right;">7</td> <td></td> </tr> <tr> <td style="text-align: right;">+ _____</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td style="text-align: right;">8,827</td> </tr> </table> | tens | ones | | | | 90 | 1 | | | | 8,100 | 8,100 | 90 | tens | | 90 | | | 90 | | 630 | 630 | 7 | ones | | 7 | | | 7 | | + _____ | | | | | | | | | 8,827 | <p>(3) $68 \times 85 = 5,780$</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;">60</td> <td style="text-align: center;">8</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">4,800</td> <td style="border: 1px solid black; padding: 5px;">4,800</td> <td style="border: 1px solid black; padding: 5px;">640</td> <td style="text-align: left;">tens</td> <td></td> </tr> <tr> <td style="text-align: right;">640</td> <td></td> <td></td> <td style="text-align: right;">80</td> <td></td> </tr> <tr> <td style="text-align: right;">300</td> <td style="border: 1px solid black; padding: 5px;">300</td> <td style="border: 1px solid black; padding: 5px;">40</td> <td style="text-align: left;">ones</td> <td></td> </tr> <tr> <td style="text-align: right;">40</td> <td></td> <td></td> <td style="text-align: right;">5</td> <td></td> </tr> <tr> <td style="text-align: right;">+ _____</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td style="text-align: right;">5,780</td> </tr> </table> | tens | ones | | | | 60 | 8 | | | | 4,800 | 4,800 | 640 | tens | | 640 | | | 80 | | 300 | 300 | 40 | ones | | 40 | | | 5 | | + _____ | | | | | | | | | 5,780 |
| tens | ones | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,200 | 1,200 | 280 | tens | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 280 | | | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 270 | 270 | 63 | ones | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 63 | | | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | 1,813 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| tens | ones | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8,100 | 8,100 | 90 | tens | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | | | 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 630 | 630 | 7 | ones | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | 8,827 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| tens | ones | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4,800 | 4,800 | 640 | tens | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 640 | | | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 300 | 300 | 40 | ones | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | | | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| + _____ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 5,780 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>(4) $42 \times 29 = 1,218$</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;">40</td> <td style="text-align: center;">2</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">800</td> <td style="border: 1px solid black; padding: 5px;">800</td> <td style="border: 1px solid black; padding: 5px;">40</td> <td style="text-align: left;">tens</td> <td></td> </tr> <tr> <td style="text-align: right;">40</td> <td></td> <td></td> <td style="text-align: right;">20</td> <td></td> </tr> <tr> <td style="text-align: right;">360</td> <td style="border: 1px solid black; padding: 5px;">360</td> <td style="border: 1px solid black; padding: 5px;">18</td> <td style="text-align: left;">ones</td> <td></td> </tr> <tr> <td style="text-align: right;">18</td> <td></td> <td></td> <td style="text-align: right;">9</td> <td></td> </tr> <tr> <td style="text-align: right;">+ _____</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td style="text-align: right;">1,218</td> </tr> </table> | tens | ones | | | | 40 | 2 | | | | 800 | 800 | 40 | tens | | 40 | | | 20 | | 360 | 360 | 18 | ones | | 18 | | | 9 | | + _____ | | | | | | | | | 1,218 | <p>(5) $34 \times 47 = 1,598$</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;">30</td> <td style="text-align: center;">4</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">1,200</td> <td style="border: 1px solid black; padding: 5px;">1,200</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 style="text-align: right;">40</td> <td></td> </tr> <tr> <td style="text-align: right;">210</td> <td style="border: 1px solid black; padding: 5px;">210</td> <td style="border: 1px solid black; padding: 5px;">28</td> <td style="text-align: left;">ones</td> <td></td> </tr> <tr> <td style="text-align: right;">28</td> <td></td> <td></td> <td style="text-align: right;">7</td> <td></td> </tr> <tr> <td style="text-align: right;">+ _____</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td style="text-align: right;">1,598</td> </tr> </table> | tens | ones | | | | 30 | 4 | | | | 1,200 | 1,200 | 160 | tens | | 160 | | | 40 | | 210 | 210 | 28 | ones | | 28 | | | 7 | | + _____ | | | | | | | | | 1,598 | <p>(6) $26 \times 97 = 2,522$</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;">20</td> <td style="text-align: center;">6</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">1,800</td> <td style="border: 1px solid black; padding: 5px;">1,800</td> <td style="border: 1px solid black; padding: 5px;">540</td> <td style="text-align: left;">tens</td> <td></td> </tr> <tr> <td style="text-align: right;">540</td> <td></td> <td></td> <td style="text-align: right;">90</td> <td></td> </tr> <tr> <td style="text-align: right;">140</td> <td style="border: 1px solid black; padding: 5px;">140</td> <td style="border: 1px solid black; padding: 5px;">42</td> <td style="text-align: left;">ones</td> <td></td> </tr> <tr> <td style="text-align: right;">42</td> <td></td> <td></td> <td style="text-align: right;">7</td> <td></td> </tr> <tr> <td style="text-align: right;">+ _____</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td style="text-align: right;">2,522</td> </tr> </table> | tens | ones | | | | 20 | 6 | | | | 1,800 | 1,800 | 540 | tens | | 540 | | | 90 | | 140 | 140 | 42 | ones | | 42 | | | 7 | | + _____ | | | | | | | | | 2,522 |
| tens | ones | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 800 | 800 | 40 | tens | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | | | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 360 | 360 | 18 | ones | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | | | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | 1,218 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| tens | ones | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,200 | 1,200 | 160 | tens | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 160 | | | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 210 | 210 | 28 | ones | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | | | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | 1,598 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 1,800 | 1,800 | 540 | tens | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 140 | 140 | 42 | ones | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42 | | | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | 2,522 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>(7) $78 \times 18 = 1,404$</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> <tr> <td style="text-align: right;">700</td> <td style="border: 1px solid black; padding: 5px;">700</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 style="text-align: right;">10</td> <td></td> </tr> <tr> <td style="text-align: right;">560</td> <td style="border: 1px solid black; padding: 5px;">560</td> <td style="border: 1px solid black; padding: 5px;">64</td> <td style="text-align: left;">ones</td> <td></td> </tr> <tr> <td style="text-align: right;">64</td> <td></td> <td></td> <td style="text-align: right;">8</td> <td></td> </tr> <tr> <td style="text-align: right;">+ _____</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td style="text-align: right;">1,404</td> </tr> </table> | tens | ones | | | | 70 | 8 | | | | 700 | 700 | 80 | tens | | 80 | | | 10 | | 560 | 560 | 64 | ones | | 64 | | | 8 | | + _____ | | | | | | | | | 1,404 | <p>(8) $93 \times 74 = 6,882$</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;">3</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">6,300</td> <td style="border: 1px solid black; padding: 5px;">6,300</td> <td style="border: 1px solid black; padding: 5px;">210</td> <td style="text-align: left;">tens</td> <td></td> </tr> <tr> <td style="text-align: right;">210</td> <td></td> <td></td> <td style="text-align: right;">70</td> <td></td> </tr> <tr> <td style="text-align: right;">360</td> <td style="border: 1px solid black; padding: 5px;">360</td> <td style="border: 1px solid black; padding: 5px;">12</td> <td style="text-align: left;">ones</td> <td></td> </tr> <tr> <td style="text-align: right;">12</td> <td></td> <td></td> <td style="text-align: right;">4</td> <td></td> </tr> <tr> <td style="text-align: right;">+ _____</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td style="text-align: right;">6,882</td> </tr> </table> | tens | ones | | | | 90 | 3 | | | | 6,300 | 6,300 | 210 | tens | | 210 | | | 70 | | 360 | 360 | 12 | ones | | 12 | | | 4 | | + _____ | | | | | | | | | 6,882 | <p>(9) $56 \times 52 = 2,912$</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;">6</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">2,500</td> <td style="border: 1px solid black; padding: 5px;">2,500</td> <td style="border: 1px solid black; padding: 5px;">300</td> <td style="text-align: left;">tens</td> <td></td> </tr> <tr> <td style="text-align: right;">300</td> <td></td> <td></td> <td style="text-align: right;">50</td> <td></td> </tr> <tr> <td style="text-align: right;">100</td> <td style="border: 1px solid black; padding: 5px;">100</td> <td style="border: 1px solid black; padding: 5px;">12</td> <td style="text-align: left;">ones</td> <td></td> </tr> <tr> <td style="text-align: right;">12</td> <td></td> <td></td> <td style="text-align: right;">2</td> <td></td> </tr> <tr> <td style="text-align: right;">+ _____</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td style="text-align: right;">2,912</td> </tr> </table> | tens | ones | | | | 50 | 6 | | | | 2,500 | 2,500 | 300 | tens | | 300 | | | 50 | | 100 | 100 | 12 | ones | | 12 | | | 2 | | + _____ | | | | | | | | | 2,912 |
| tens | ones | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 700 | 700 | 80 | tens | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 560 | 560 | 64 | ones | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 64 | | | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | 1,404 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 90 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6,300 | 6,300 | 210 | tens | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 360 | 360 | 12 | ones | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | 6,882 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 50 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2,500 | 2,500 | 300 | tens | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 300 | | | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | 100 | 12 | ones | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | 2,912 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>(10) $11 \times 16 = 176$</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;">10</td> <td style="text-align: center;">1</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">100</td> <td style="border: 1px solid black; padding: 5px;">100</td> <td style="border: 1px solid black; padding: 5px;">10</td> <td style="text-align: left;">tens</td> <td></td> </tr> <tr> <td style="text-align: right;">10</td> <td></td> <td></td> <td style="text-align: right;">10</td> <td></td> </tr> <tr> <td style="text-align: right;">60</td> <td style="border: 1px solid black; padding: 5px;">60</td> <td style="border: 1px solid black; padding: 5px;">6</td> <td style="text-align: left;">ones</td> <td></td> </tr> <tr> <td style="text-align: right;">6</td> <td></td> <td></td> <td style="text-align: right;">6</td> <td></td> </tr> <tr> <td style="text-align: right;">+ _____</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td style="text-align: right;">176</td> </tr> </table> | tens | ones | | | | 10 | 1 | | | | 100 | 100 | 10 | tens | | 10 | | | 10 | | 60 | 60 | 6 | ones | | 6 | | | 6 | | + _____ | | | | | | | | | 176 | <p>(11) $86 \times 25 = 2,150$</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;">80</td> <td style="text-align: center;">6</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">1,600</td> <td style="border: 1px solid black; padding: 5px;">1,600</td> <td style="border: 1px solid black; padding: 5px;">120</td> <td style="text-align: left;">tens</td> <td></td> </tr> <tr> <td style="text-align: right;">120</td> <td></td> <td></td> <td style="text-align: right;">20</td> <td></td> </tr> <tr> <td style="text-align: right;">400</td> <td style="border: 1px solid black; padding: 5px;">400</td> <td style="border: 1px solid black; padding: 5px;">30</td> <td style="text-align: left;">ones</td> <td></td> </tr> <tr> <td style="text-align: right;">30</td> <td></td> <td></td> <td style="text-align: right;">5</td> <td></td> </tr> <tr> <td style="text-align: right;">+ _____</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td style="text-align: right;">2,150</td> </tr> </table> | tens | ones | | | | 80 | 6 | | | | 1,600 | 1,600 | 120 | tens | | 120 | | | 20 | | 400 | 400 | 30 | ones | | 30 | | | 5 | | + _____ | | | | | | | | | 2,150 | <p>(12) $74 \times 45 = 3,330$</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;">4</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">2,800</td> <td style="border: 1px solid black; padding: 5px;">2,800</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 style="text-align: right;">40</td> <td></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;">20</td> <td style="text-align: left;">ones</td> <td></td> </tr> <tr> <td style="text-align: right;">20</td> <td></td> <td></td> <td style="text-align: right;">5</td> <td></td> </tr> <tr> <td style="text-align: right;">+ _____</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td style="text-align: right;">3,330</td> </tr> </table> | tens | ones | | | | 70 | 4 | | | | 2,800 | 2,800 | 160 | tens | | 160 | | | 40 | | 350 | 350 | 20 | ones | | 20 | | | 5 | | + _____ | | | | | | | | | 3,330 |
| tens | ones | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | 100 | 10 | tens | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 60 | 60 | 6 | ones | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | 176 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| tens | ones | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,600 | 1,600 | 120 | tens | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 400 | 400 | 30 | ones | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | | | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | 2,150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| tens | ones | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2,800 | 2,800 | 160 | tens | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 160 | | | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 350 | 350 | 20 | ones | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | | | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | 3,330 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |