

Distributive Grid multiplication with two three-digit numbers (3x3)

Solutions are on page 2

| <p>(1) $927 \times 365 = 338,355$</p> <table style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th></th> <th style="text-align: center;">hundreds</th> <th style="text-align: center;">tens</th> <th style="text-align: center;">ones</th> <th></th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;">900</td> <td style="text-align: center;">20</td> <td style="text-align: center;">7</td> <td></td> </tr> <tr> <td style="text-align: right;">270,000</td> <td style="border: 1px solid black; text-align: center;">270,000</td> <td style="border: 1px solid black; text-align: center;">6,000</td> <td style="border: 1px solid black; text-align: center;">2,100</td> <td style="text-align: right;">hundreds 300</td> </tr> <tr> <td style="text-align: right;">6,000</td> <td style="border: 1px solid black;"></td> <td style="border: 1px solid black;"></td> <td style="border: 1px solid black;"></td> <td style="text-align: right;">tens 60</td> </tr> <tr> <td style="text-align: right;">2,100</td> <td style="border: 1px solid black;"></td> <td style="border: 1px solid black;"></td> <td style="border: 1px solid black;"></td> <td style="text-align: right;">ones 5</td> </tr> <tr> <td style="text-align: right;">54,000</td> <td style="border: 1px solid black; text-align: center;">54,000</td> <td style="border: 1px solid black; text-align: center;">1,200</td> <td style="border: 1px solid black; text-align: center;">420</td> <td></td> </tr> <tr> <td style="text-align: right;">1,200</td> <td style="border: 1px solid black;"></td> <td style="border: 1px solid black;"></td> <td style="border: 1px solid black;"></td> <td></td> </tr> <tr> <td style="text-align: right;">420</td> <td style="border: 1px solid black;"></td> <td style="border: 1px solid black;"></td> <td style="border: 1px solid black;"></td> <td></td> </tr> <tr> <td style="text-align: right;">4,500</td> <td style="border: 1px solid black; text-align: center;">4,500</td> <td style="border: 1px solid black; text-align: center;">100</td> <td style="border: 1px solid black; text-align: center;">35</td> <td></td> </tr> <tr> <td style="text-align: right;">100</td> <td style="border: 1px solid black;"></td> <td style="border: 1px solid black;"></td> <td style="border: 1px solid black;"></td> <td></td> </tr> <tr> <td style="text-align: right;">35</td> <td style="border: 1px solid black;"></td> <td style="border: 1px solid black;"></td> <td style="border: 1px solid black;"></td> <td></td> </tr> <tr> <td style="text-align: right;">+ _____</td> <td colspan="3"></td> <td></td> </tr> <tr> <td style="text-align: right;">338,355</td> <td colspan="3"></td> <td></td> </tr> </tbody> </table> | | hundreds | tens | ones | | | 900 | 20 | 7 | | 270,000 | 270,000 | 6,000 | 2,100 | hundreds 300 | 6,000 | | | | tens 60 | 2,100 | | | | ones 5 | 54,000 | 54,000 | 1,200 | 420 | | 1,200 | | | | | 420 | | | | | 4,500 | 4,500 | 100 | 35 | | 100 | | | | | 35 | | | | | + _____ | | | | | 338,355 | | | | | <p>(2) $856 \times 154 =$</p> | <p>(3) $111 \times 832 =$</p> |
|--|---|---|-------|------------------------|--|--|-----|----|---|--|---------|---------|-------|-------|------------------------|-------|--|--|--|-------------------|-------|--|--|--|------------------|--------|--------|-------|-----|--|-------|--|--|--|--|-----|--|--|--|--|-------|-------|-----|----|--|-----|--|--|--|--|----|--|--|--|--|---------|--|--|--|--|---------|--|--|--|--|--|--|
| | hundreds | tens | ones | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 900 | 20 | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 270,000 | 270,000 | 6,000 | 2,100 | hundreds 300 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6,000 | | | | tens 60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2,100 | | | | ones 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54,000 | 54,000 | 1,200 | 420 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 420 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4,500 | 4,500 | 100 | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| + _____ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 338,355 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>(4) $389 \times 285 =$</p> | <p>(5) $725 \times 909 =$</p> | <p>(6) $242 \times 120 =$</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>(7) $381 \times 884 =$</p> | <p>(8) $299 \times 233 =$</p> | <p>(9) $363 \times 296 =$</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>(10) $647 \times 748 =$</p> | <p>(11) $769 \times 232 =$</p> | <p>(12) $918 \times 358 =$</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Distributive Grid multiplication with two three-digit numbers (3x3)

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

| <p>(1) $927 \times 365 = 338,355$</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;"></th> <th style="width: 10%; text-align: center;">hundreds</th> <th style="width: 10%; text-align: center;">tens</th> <th style="width: 10%; text-align: center;">ones</th> <th style="width: 10%;"></th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;">900</td> <td style="text-align: center;">20</td> <td style="text-align: center;">7</td> <td></td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">270,000 6,000 2,100</td> <td style="border: 1px solid black; text-align: center;">270,000</td> <td style="border: 1px solid black; text-align: center;">6,000</td> <td style="border: 1px solid black; text-align: center;">2,100</td> <td style="border-right: 1px solid black; padding-right: 5px;">hundreds</td> <td style="text-align: center;">300</td> </tr> <tr> <td style="border-right: 1px solid black; 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|--|------------|-----------|----------|----------|------------|--|--|------------|-----------|----------|--|--|----------------------------|---------|--------|-------|----------|------------|------------------------|--------|-------|-----|------|-----------|--------------------|-------|-----|----|------|----------|---------|--|--|--|--|--|---------|--|--|--|--|--|--|--|----------|------|------|--|--|--|------------|-----------|----------|--|--|----------------------------|---------|--------|-------|----------|------------|------------------------|--------|-------|-----|------|-----------|--------------------|-------|-----|----|------|----------|---------|--|--|--|--|--|---------|--|--|--|--|--|---|--|----------|------|------|--|--|--|------------|-----------|----------|--|--|---------------------------|---------|--------|-------|----------|------------|------------------------|--------|-------|-----|------|-----------|--------------------|-------|-----|----|------|----------|---------|--|--|--|--|--|---------|--|--|--|--|--|
| | hundreds | tens | ones | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 900 | 20 | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 270,000 6,000 2,100 | 270,000 | 6,000 | 2,100 | hundreds | 300 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54,000 1,200 420 | 54,000 | 1,200 | 420 | tens | 60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4,500 100 35 | 4,500 | 100 | 35 | ones | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 338,355 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | hundreds | tens | ones | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 800 | 50 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80,000 5,000 600 | 80,000 | 5,000 | 600 | hundreds | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40,000 2,500 300 | 40,000 | 2,500 | 300 | tens | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3,200 200 24 | 3,200 | 200 | 24 | ones | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 131,824 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | hundreds | tens | ones | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 100 | 10 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80,000 8,000 800 | 80,000 | 8,000 | 800 | hundreds | 800 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3,000 300 30 | 3,000 | 300 | 30 | tens | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 200 20 2 | 200 | 20 | 2 | ones | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 92,352 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>(4) $389 \times 285 = 110,865$</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;"></th> <th style="width: 10%; text-align: center;">hundreds</th> <th style="width: 10%; text-align: center;">tens</th> <th style="width: 10%; text-align: center;">ones</th> <th style="width: 10%;"></th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;">300</td> <td style="text-align: center;">80</td> <td style="text-align: center;">9</td> <td></td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">60,000 16,000 1,800</td> <td style="border: 1px solid black; text-align: center;">60,000</td> <td style="border: 1px solid black; text-align: center;">16,000</td> <td style="border: 1px solid black; text-align: center;">1,800</td> <td style="border-right: 1px solid black; padding-right: 5px;">hundreds</td> <td style="text-align: center;">200</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">24,000 6,400 720</td> <td style="border: 1px solid black; text-align: center;">24,000</td> <td style="border: 1px solid black; text-align: center;">6,400</td> <td style="border: 1px solid black; text-align: center;">720</td> <td style="border-right: 1px solid black; padding-right: 5px;">tens</td> <td style="text-align: center;">80</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">1,500 400 45</td> <td style="border: 1px solid black; text-align: center;">1,500</td> <td style="border: 1px solid black; text-align: center;">400</td> <td style="border: 1px solid black; text-align: center;">45</td> <td style="border-right: 1px solid black; padding-right: 5px;">ones</td> <td style="text-align: center;">5</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">+ _____</td> <td colspan="3"></td> <td></td> <td></td> </tr> <tr> <td colspan="6" style="border-top: 1px solid black;">110,865</td> </tr> </tbody> </table> | | hundreds | tens | ones | | | | 300 | 80 | 9 | | | 60,000 16,000 1,800 | 60,000 | 16,000 | 1,800 | hundreds | 200 | 24,000 6,400 720 | 24,000 | 6,400 | 720 | tens | 80 | 1,500 400 45 | 1,500 | 400 | 45 | ones | 5 | + _____ | | | | | | 110,865 | | | | | | <p>(5) $725 \times 909 = 659,025$</p> <table style="width: 100%; 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text-align: center;">4,000</td> <td style="border: 1px solid black; text-align: center;">800</td> <td style="border: 1px solid black; text-align: center;">40</td> <td style="border-right: 1px solid black; padding-right: 5px;">tens</td> <td style="text-align: center;">20</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">0 0 0</td> <td style="border: 1px solid black; text-align: center;">0</td> <td style="border: 1px solid black; text-align: center;">0</td> <td style="border: 1px solid black; text-align: center;">0</td> <td style="border-right: 1px solid black; padding-right: 5px;">ones</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">+ _____</td> <td colspan="3"></td> <td></td> <td></td> </tr> <tr> <td colspan="6" style="border-top: 1px solid black;">29,040</td> </tr> </tbody> </table> | | hundreds | tens | ones | | | | 200 | 40 | 2 | | | 20,000 4,000 200 | 20,000 | 4,000 | 200 | hundreds | 100 | 4,000 800 40 | 4,000 | 800 | 40 | tens | 20 | 0 0 0 | 0 | 0 | 0 | ones | 0 | + _____ | | | | | | 29,040 | | | | | |
| | hundreds | tens | ones | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 300 | 80 | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60,000 16,000 1,800 | 60,000 | 16,000 | 1,800 | hundreds | 200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24,000 6,400 720 | 24,000 | 6,400 | 720 | tens | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,500 400 45 | 1,500 | 400 | 45 | ones | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 110,865 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | hundreds | tens | ones | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 700 | 20 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 630,000 18,000 4,500 | 630,000 | 18,000 | 4,500 | hundreds | 900 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 0 0 | 0 | 0 | 0 | tens | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6,300 180 45 | 6,300 | 180 | 45 | ones | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 659,025 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | hundreds | tens | ones | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 200 | 40 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20,000 4,000 200 | 20,000 | 4,000 | 200 | hundreds | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4,000 800 40 | 4,000 | 800 | 40 | tens | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 0 0 | 0 | 0 | 0 | ones | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 29,040 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>(7) $381 \times 884 = 336,804$</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;"></th> <th style="width: 10%; text-align: center;">hundreds</th> <th style="width: 10%; text-align: center;">tens</th> <th style="width: 10%; text-align: center;">ones</th> <th style="width: 10%;"></th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;">300</td> <td style="text-align: center;">80</td> <td style="text-align: center;">1</td> <td></td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">240,000 64,000 800</td> <td style="border: 1px solid black; text-align: center;">240,000</td> <td style="border: 1px solid black; text-align: center;">64,000</td> <td style="border: 1px solid black; text-align: center;">800</td> <td style="border-right: 1px solid black; padding-right: 5px;">hundreds</td> <td style="text-align: center;">800</td> </tr> <tr> <td style="border-right: 1px solid black; 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| | hundreds | tens | ones | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 240,000 64,000 800 | 240,000 | 64,000 | 800 | hundreds | 800 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24,000 6,400 80 | 24,000 | 6,400 | 80 | tens | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,200 320 4 | 1,200 | 320 | 4 | ones | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | 200 | 90 | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40,000 18,000 1,800 | 40,000 | 18,000 | 1,800 | hundreds | 200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6,000 2,700 270 | 6,000 | 2,700 | 270 | tens | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 600 270 27 | 600 | 270 | 27 | ones | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 69,667 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | hundreds | tens | ones | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 300 | 60 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60,000 12,000 600 | 60,000 | 12,000 | 600 | hundreds | 200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27,000 5,400 270 | 27,000 | 5,400 | 270 | tens | 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,800 360 18 | 1,800 | 360 | 18 | ones | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 107,448 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>(10) $647 \times 748 = 483,956$</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;"></th> <th style="width: 10%; text-align: center;">hundreds</th> <th style="width: 10%; text-align: center;">tens</th> <th style="width: 10%; text-align: center;">ones</th> <th style="width: 10%;"></th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;">600</td> <td style="text-align: center;">40</td> <td style="text-align: center;">7</td> <td></td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">420,000 28,000 4,900</td> <td style="border: 1px solid black; text-align: center;">420,000</td> <td style="border: 1px solid black; text-align: center;">28,000</td> <td style="border: 1px solid black; text-align: center;">4,900</td> <td style="border-right: 1px solid black; padding-right: 5px;">hundreds</td> <td style="text-align: center;">700</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">24,000 1,600 280</td> <td style="border: 1px solid black; text-align: center;">24,000</td> <td style="border: 1px solid black; text-align: center;">1,600</td> <td style="border: 1px solid black; text-align: center;">280</td> <td style="border-right: 1px solid black; padding-right: 5px;">tens</td> <td style="text-align: center;">40</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">4,800 320 56</td> <td style="border: 1px solid black; text-align: center;">4,800</td> <td style="border: 1px solid black; text-align: center;">320</td> <td style="border: 1px solid black; text-align: center;">56</td> <td style="border-right: 1px solid black; padding-right: 5px;">ones</td> <td style="text-align: center;">8</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">+ _____</td> <td colspan="3"></td> <td></td> <td></td> </tr> <tr> <td colspan="6" style="border-top: 1px solid black;">483,956</td> </tr> </tbody> </table> | | hundreds | tens | ones | | | | 600 | 40 | 7 | | | 420,000 28,000 4,900 | 420,000 | 28,000 | 4,900 | hundreds | 700 | 24,000 1,600 280 | 24,000 | 1,600 | 280 | tens | 40 | 4,800 320 56 | 4,800 | 320 | 56 | ones | 8 | + _____ | | | | | | 483,956 | | | | | | <p>(11) $769 \times 232 = 178,408$</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;"></th> <th style="width: 10%; text-align: center;">hundreds</th> <th style="width: 10%; text-align: center;">tens</th> <th style="width: 10%; text-align: center;">ones</th> <th style="width: 10%;"></th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;">700</td> <td style="text-align: center;">60</td> <td style="text-align: center;">9</td> <td></td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">140,000 12,000 1,800</td> <td style="border: 1px solid black; text-align: center;">140,000</td> <td style="border: 1px solid black; text-align: center;">12,000</td> <td style="border: 1px solid black; text-align: center;">1,800</td> <td style="border-right: 1px solid black; padding-right: 5px;">hundreds</td> <td style="text-align: center;">200</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">21,000 1,800 270</td> <td style="border: 1px solid black; text-align: center;">21,000</td> <td style="border: 1px solid black; text-align: center;">1,800</td> <td style="border: 1px solid black; text-align: center;">270</td> <td style="border-right: 1px solid black; padding-right: 5px;">tens</td> <td style="text-align: center;">30</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">1,400 120 18</td> <td style="border: 1px solid black; text-align: center;">1,400</td> <td style="border: 1px solid black; text-align: center;">120</td> <td style="border: 1px solid black; text-align: center;">18</td> <td style="border-right: 1px solid black; padding-right: 5px;">ones</td> <td style="text-align: center;">2</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">+ _____</td> <td colspan="3"></td> <td></td> <td></td> </tr> <tr> <td colspan="6" style="border-top: 1px solid black;">178,408</td> </tr> </tbody> </table> | | hundreds | tens | ones | | | | 700 | 60 | 9 | | | 140,000 12,000 1,800 | 140,000 | 12,000 | 1,800 | hundreds | 200 | 21,000 1,800 270 | 21,000 | 1,800 | 270 | tens | 30 | 1,400 120 18 | 1,400 | 120 | 18 | ones | 2 | + _____ | | | | | | 178,408 | | | | | | <p>(12) $918 \times 358 = 328,644$</p> <table style="width: 100%; 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text-align: center;">45,000</td> <td style="border: 1px solid black; text-align: center;">500</td> <td style="border: 1px solid black; text-align: center;">400</td> <td style="border-right: 1px solid black; padding-right: 5px;">tens</td> <td style="text-align: center;">50</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">7,200 80 64</td> <td style="border: 1px solid black; text-align: center;">7,200</td> <td style="border: 1px solid black; text-align: center;">80</td> <td style="border: 1px solid black; text-align: center;">64</td> <td style="border-right: 1px solid black; padding-right: 5px;">ones</td> <td style="text-align: center;">8</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">+ _____</td> <td colspan="3"></td> <td></td> <td></td> </tr> <tr> <td colspan="6" style="border-top: 1px solid black;">328,644</td> </tr> </tbody> </table> | | hundreds | tens | ones | | | | 900 | 10 | 8 | | | 270,000 3,000 2,400 | 270,000 | 3,000 | 2,400 | hundreds | 300 | 45,000 500 400 | 45,000 | 500 | 400 | tens | 50 | 7,200 80 64 | 7,200 | 80 | 64 | ones | 8 | + _____ | | | | | | 328,644 | | | | | |
| | hundreds | tens | ones | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 420,000 28,000 4,900 | 420,000 | 28,000 | 4,900 | hundreds | 700 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24,000 1,600 280 | 24,000 | 1,600 | 280 | tens | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4,800 320 56 | 4,800 | 320 | 56 | ones | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 483,956 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | 700 | 60 | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 140,000 12,000 1,800 | 140,000 | 12,000 | 1,800 | hundreds | 200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21,000 1,800 270 | 21,000 | 1,800 | 270 | tens | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,400 120 18 | 1,400 | 120 | 18 | ones | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | hundreds | tens | ones | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 270,000 3,000 2,400 | 270,000 | 3,000 | 2,400 | hundreds | 300 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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