

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; 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 style="text-align: right;">tens 60</td> </tr> <tr> <td style="text-align: right;">2,100</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 style="text-align: right;">ones 5</td> </tr> <tr> <td style="text-align: right;">54,000</td> <td colspan="3"></td> <td></td> </tr> <tr> <td style="text-align: right;">1,200</td> <td colspan="3"></td> <td></td> </tr> <tr> <td style="text-align: right;">420</td> <td colspan="3"></td> <td></td> </tr> <tr> <td style="text-align: right;">4,500</td> <td colspan="3"></td> <td></td> </tr> <tr> <td style="text-align: right;">100</td> <td colspan="3"></td> <td></td> </tr> <tr> <td style="text-align: right;">35</td> <td colspan="3"></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	54,000	1,200	420	tens 60	2,100	4,500	100	35	ones 5	54,000					1,200					420					4,500					100					35					+ _____					338,355					<p>(2) $440 \times 457 =$</p>	<p>(3) $820 \times 480 =$</p>
	hundreds	tens	ones																																																																
	900	20	7																																																																
270,000	270,000	6,000	2,100	hundreds 300																																																															
6,000	54,000	1,200	420	tens 60																																																															
2,100	4,500	100	35	ones 5																																																															
54,000																																																																			
1,200																																																																			
420																																																																			
4,500																																																																			
100																																																																			
35																																																																			
+ _____																																																																			
338,355																																																																			
<p>(4) $733 \times 634 =$</p>	<p>(5) $780 \times 749 =$</p>	<p>(6) $772 \times 860 =$</p>																																																																	
<p>(7) $726 \times 259 =$</p>	<p>(8) $535 \times 821 =$</p>	<p>(9) $219 \times 501 =$</p>																																																																	
<p>(10) $484 \times 498 =$</p>	<p>(11) $358 \times 792 =$</p>	<p>(12) $183 \times 518 =$</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: 33%;"></th> <th style="width: 33%; text-align: center;">hundreds</th> <th style="width: 33%; text-align: center;">tens</th> <th style="width: 33%; text-align: center;">ones</th> <th style="width: 33%;"></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="border-right: 1px solid black; padding-right: 5px;">270,000 6,000 2,100</td> <td style="border: 1px solid black; padding: 5px;">270,000</td> <td style="border: 1px solid black; padding: 5px;">6,000</td> <td style="border: 1px solid black; padding: 5px;">2,100</td> <td style="border-right: 1px solid black; padding-right: 5px;">hundreds 300</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">54,000 1,200 420</td> <td style="border: 1px solid black; padding: 5px;">54,000</td> <td style="border: 1px solid black; padding: 5px;">1,200</td> <td style="border: 1px solid black; padding: 5px;">420</td> <td style="border-right: 1px solid black; padding-right: 5px;">tens 60</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">4,500 100 35</td> <td style="border: 1px solid black; padding: 5px;">4,500</td> <td style="border: 1px solid black; padding: 5px;">100</td> <td style="border: 1px solid black; padding: 5px;">35</td> <td style="border-right: 1px solid black; padding-right: 5px;">ones 5</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">+ _____</td> <td colspan="3"></td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">338,355</td> <td colspan="3"></td> <td></td> </tr> </tbody> </table>		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	+ _____					338,355					<p>(2) $440 \times 457 = 201,080$</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;"></th> <th style="width: 33%; text-align: center;">hundreds</th> <th style="width: 33%; text-align: center;">tens</th> <th style="width: 33%; text-align: center;">ones</th> <th style="width: 33%;"></th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;">400</td> <td style="text-align: center;">40</td> <td style="text-align: center;">0</td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">160,000 16,000 0</td> <td style="border: 1px solid black; padding: 5px;">160,000</td> <td style="border: 1px solid black; padding: 5px;">16,000</td> <td style="border: 1px solid black; padding: 5px;">0</td> <td style="border-right: 1px solid black; padding-right: 5px;">hundreds 400</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">20,000 2,000 0</td> <td style="border: 1px solid black; padding: 5px;">20,000</td> <td style="border: 1px solid black; padding: 5px;">2,000</td> <td style="border: 1px solid black; padding: 5px;">0</td> <td style="border-right: 1px solid black; padding-right: 5px;">tens 50</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">2,800 280 0</td> <td style="border: 1px solid black; padding: 5px;">2,800</td> <td style="border: 1px solid black; padding: 5px;">280</td> <td style="border: 1px solid black; padding: 5px;">0</td> <td style="border-right: 1px solid black; padding-right: 5px;">ones 7</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">+ _____</td> <td colspan="3"></td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">201,080</td> <td colspan="3"></td> <td></td> </tr> </tbody> </table>		hundreds	tens	ones			400	40	0		160,000 16,000 0	160,000	16,000	0	hundreds 400	20,000 2,000 0	20,000	2,000	0	tens 50	2,800 280 0	2,800	280	0	ones 7	+ _____					201,080					<p>(3) $820 \times 480 = 393,600$</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;"></th> <th style="width: 33%; text-align: center;">hundreds</th> <th style="width: 33%; text-align: center;">tens</th> <th style="width: 33%; text-align: center;">ones</th> <th style="width: 33%;"></th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;">800</td> <td style="text-align: center;">20</td> <td style="text-align: center;">0</td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">320,000 8,000 0</td> <td style="border: 1px solid black; padding: 5px;">320,000</td> <td style="border: 1px solid black; padding: 5px;">8,000</td> <td style="border: 1px solid black; padding: 5px;">0</td> <td style="border-right: 1px solid black; padding-right: 5px;">hundreds 400</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">64,000 1,600 0</td> <td style="border: 1px solid black; padding: 5px;">64,000</td> <td style="border: 1px solid black; padding: 5px;">1,600</td> <td style="border: 1px solid black; padding: 5px;">0</td> <td style="border-right: 1px solid black; padding-right: 5px;">tens 80</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">0 0 0</td> <td style="border: 1px solid black; padding: 5px;">0</td> <td style="border: 1px solid black; padding: 5px;">0</td> <td style="border: 1px solid black; padding: 5px;">0</td> <td style="border-right: 1px solid black; padding-right: 5px;">ones 0</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">+ _____</td> <td colspan="3"></td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">393,600</td> <td colspan="3"></td> <td></td> </tr> </tbody> </table>		hundreds	tens	ones			800	20	0		320,000 8,000 0	320,000	8,000	0	hundreds 400	64,000 1,600 0	64,000	1,600	0	tens 80	0 0 0	0	0	0	ones 0	+ _____					393,600				
	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																																																																																																							
+ _____																																																																																																											
338,355																																																																																																											
	hundreds	tens	ones																																																																																																								
	400	40	0																																																																																																								
160,000 16,000 0	160,000	16,000	0	hundreds 400																																																																																																							
20,000 2,000 0	20,000	2,000	0	tens 50																																																																																																							
2,800 280 0	2,800	280	0	ones 7																																																																																																							
+ _____																																																																																																											
201,080																																																																																																											
	hundreds	tens	ones																																																																																																								
	800	20	0																																																																																																								
320,000 8,000 0	320,000	8,000	0	hundreds 400																																																																																																							
64,000 1,600 0	64,000	1,600	0	tens 80																																																																																																							
0 0 0	0	0	0	ones 0																																																																																																							
+ _____																																																																																																											
393,600																																																																																																											
<p>(4) $733 \times 634 = 464,722$</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;"></th> <th style="width: 33%; text-align: center;">hundreds</th> <th style="width: 33%; text-align: center;">tens</th> <th style="width: 33%; text-align: center;">ones</th> <th style="width: 33%;"></th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;">700</td> <td style="text-align: center;">30</td> <td style="text-align: center;">3</td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">420,000 18,000 1,800</td> <td style="border: 1px solid black; padding: 5px;">420,000</td> <td style="border: 1px solid black; padding: 5px;">18,000</td> <td style="border: 1px solid black; padding: 5px;">1,800</td> <td style="border-right: 1px solid black; padding-right: 5px;">hundreds 600</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">21,000 900 90</td> <td style="border: 1px solid black; padding: 5px;">21,000</td> <td style="border: 1px solid black; padding: 5px;">900</td> <td style="border: 1px solid black; padding: 5px;">90</td> <td style="border-right: 1px solid black; padding-right: 5px;">tens 30</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">2,800 120 12</td> <td style="border: 1px solid black; padding: 5px;">2,800</td> <td style="border: 1px solid black; padding: 5px;">120</td> <td style="border: 1px solid black; padding: 5px;">12</td> <td style="border-right: 1px solid black; padding-right: 5px;">ones 4</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">+ _____</td> <td colspan="3"></td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">464,722</td> <td colspan="3"></td> <td></td> </tr> </tbody> </table>		hundreds	tens	ones			700	30	3		420,000 18,000 1,800	420,000	18,000	1,800	hundreds 600	21,000 900 90	21,000	900	90	tens 30	2,800 120 12	2,800	120	12	ones 4	+ _____					464,722					<p>(5) $780 \times 749 = 584,220$</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;"></th> <th style="width: 33%; text-align: center;">hundreds</th> <th style="width: 33%; text-align: center;">tens</th> <th style="width: 33%; text-align: center;">ones</th> <th style="width: 33%;"></th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;">700</td> <td style="text-align: center;">80</td> <td style="text-align: center;">0</td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">490,000 56,000 0</td> <td style="border: 1px solid black; padding: 5px;">490,000</td> <td style="border: 1px solid black; padding: 5px;">56,000</td> <td style="border: 1px solid black; padding: 5px;">0</td> <td style="border-right: 1px solid black; padding-right: 5px;">hundreds 700</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">28,000 3,200 0</td> <td style="border: 1px solid black; padding: 5px;">28,000</td> <td style="border: 1px solid black; padding: 5px;">3,200</td> <td style="border: 1px solid black; padding: 5px;">0</td> <td style="border-right: 1px solid black; padding-right: 5px;">tens 40</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">6,300 720 0</td> <td style="border: 1px solid black; padding: 5px;">6,300</td> <td style="border: 1px solid black; padding: 5px;">720</td> <td style="border: 1px solid black; padding: 5px;">0</td> <td style="border-right: 1px solid black; padding-right: 5px;">ones 9</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">+ _____</td> <td colspan="3"></td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">584,220</td> <td colspan="3"></td> <td></td> </tr> </tbody> </table>		hundreds	tens	ones			700	80	0		490,000 56,000 0	490,000	56,000	0	hundreds 700	28,000 3,200 0	28,000	3,200	0	tens 40	6,300 720 0	6,300	720	0	ones 9	+ _____					584,220					<p>(6) $772 \times 860 = 663,920$</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;"></th> <th style="width: 33%; text-align: center;">hundreds</th> <th style="width: 33%; text-align: center;">tens</th> <th style="width: 33%; text-align: center;">ones</th> <th style="width: 33%;"></th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;">700</td> <td style="text-align: center;">70</td> <td style="text-align: center;">2</td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">560,000 56,000 1,600</td> <td style="border: 1px solid black; padding: 5px;">560,000</td> <td style="border: 1px solid black; padding: 5px;">56,000</td> <td style="border: 1px solid black; padding: 5px;">1,600</td> <td style="border-right: 1px solid black; padding-right: 5px;">hundreds 800</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">42,000 4,200 120</td> <td style="border: 1px solid black; padding: 5px;">42,000</td> <td style="border: 1px solid black; padding: 5px;">4,200</td> <td style="border: 1px solid black; padding: 5px;">120</td> <td style="border-right: 1px solid black; padding-right: 5px;">tens 60</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">0 0 0</td> <td style="border: 1px solid black; padding: 5px;">0</td> <td style="border: 1px solid black; padding: 5px;">0</td> <td style="border: 1px solid black; padding: 5px;">0</td> <td style="border-right: 1px solid black; padding-right: 5px;">ones 0</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">+ _____</td> <td colspan="3"></td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">663,920</td> <td colspan="3"></td> <td></td> </tr> </tbody> </table>		hundreds	tens	ones			700	70	2		560,000 56,000 1,600	560,000	56,000	1,600	hundreds 800	42,000 4,200 120	42,000	4,200	120	tens 60	0 0 0	0	0	0	ones 0	+ _____					663,920				
	hundreds	tens	ones																																																																																																								
	700	30	3																																																																																																								
420,000 18,000 1,800	420,000	18,000	1,800	hundreds 600																																																																																																							
21,000 900 90	21,000	900	90	tens 30																																																																																																							
2,800 120 12	2,800	120	12	ones 4																																																																																																							
+ _____																																																																																																											
464,722																																																																																																											
	hundreds	tens	ones																																																																																																								
	700	80	0																																																																																																								
490,000 56,000 0	490,000	56,000	0	hundreds 700																																																																																																							
28,000 3,200 0	28,000	3,200	0	tens 40																																																																																																							
6,300 720 0	6,300	720	0	ones 9																																																																																																							
+ _____																																																																																																											
584,220																																																																																																											
	hundreds	tens	ones																																																																																																								
	700	70	2																																																																																																								
560,000 56,000 1,600	560,000	56,000	1,600	hundreds 800																																																																																																							
42,000 4,200 120	42,000	4,200	120	tens 60																																																																																																							
0 0 0	0	0	0	ones 0																																																																																																							
+ _____																																																																																																											
663,920																																																																																																											
<p>(7) $726 \times 259 = 188,034$</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;"></th> <th style="width: 33%; text-align: center;">hundreds</th> <th style="width: 33%; text-align: center;">tens</th> <th style="width: 33%; text-align: center;">ones</th> <th style="width: 33%;"></th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;">700</td> <td style="text-align: center;">20</td> <td style="text-align: center;">6</td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">140,000 4,000 1,200</td> <td style="border: 1px solid black; padding: 5px;">140,000</td> <td style="border: 1px solid black; padding: 5px;">4,000</td> <td style="border: 1px solid black; padding: 5px;">1,200</td> <td style="border-right: 1px solid black; padding-right: 5px;">hundreds 200</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">35,000 1,000 300</td> <td style="border: 1px solid black; padding: 5px;">35,000</td> <td style="border: 1px solid black; padding: 5px;">1,000</td> <td style="border: 1px solid black; padding: 5px;">300</td> <td style="border-right: 1px solid black; padding-right: 5px;">tens 50</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">6,300 180 54</td> <td style="border: 1px solid black; padding: 5px;">6,300</td> <td style="border: 1px solid black; padding: 5px;">180</td> <td style="border: 1px solid black; padding: 5px;">54</td> <td style="border-right: 1px solid black; padding-right: 5px;">ones 9</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">+ _____</td> <td colspan="3"></td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">188,034</td> <td colspan="3"></td> <td></td> </tr> </tbody> </table>		hundreds	tens	ones			700	20	6		140,000 4,000 1,200	140,000	4,000	1,200	hundreds 200	35,000 1,000 300	35,000	1,000	300	tens 50	6,300 180 54	6,300	180	54	ones 9	+ _____					188,034					<p>(8) $535 \times 821 = 439,235$</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;"></th> <th style="width: 33%; text-align: center;">hundreds</th> <th style="width: 33%; text-align: center;">tens</th> <th style="width: 33%; text-align: center;">ones</th> <th style="width: 33%;"></th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;">500</td> <td style="text-align: center;">30</td> <td style="text-align: center;">5</td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">400,000 24,000 4,000</td> <td style="border: 1px solid black; padding: 5px;">400,000</td> <td style="border: 1px solid black; padding: 5px;">24,000</td> <td style="border: 1px solid black; padding: 5px;">4,000</td> <td style="border-right: 1px solid black; padding-right: 5px;">hundreds 800</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">10,000 600 100</td> <td style="border: 1px solid black; padding: 5px;">10,000</td> <td style="border: 1px solid black; padding: 5px;">600</td> <td style="border: 1px solid black; padding: 5px;">100</td> <td style="border-right: 1px solid black; padding-right: 5px;">tens 20</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">500 30 5</td> <td style="border: 1px solid black; padding: 5px;">500</td> <td style="border: 1px solid black; padding: 5px;">30</td> <td style="border: 1px solid black; padding: 5px;">5</td> <td style="border-right: 1px solid black; padding-right: 5px;">ones 1</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">+ _____</td> <td colspan="3"></td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">439,235</td> <td colspan="3"></td> <td></td> </tr> </tbody> </table>		hundreds	tens	ones			500	30	5		400,000 24,000 4,000	400,000	24,000	4,000	hundreds 800	10,000 600 100	10,000	600	100	tens 20	500 30 5	500	30	5	ones 1	+ _____					439,235					<p>(9) $219 \times 501 = 109,719$</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;"></th> <th style="width: 33%; text-align: center;">hundreds</th> <th style="width: 33%; text-align: center;">tens</th> <th style="width: 33%; text-align: center;">ones</th> <th style="width: 33%;"></th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;">200</td> <td style="text-align: center;">10</td> <td style="text-align: center;">9</td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">100,000 5,000 4,500</td> <td style="border: 1px solid black; padding: 5px;">100,000</td> <td style="border: 1px solid black; padding: 5px;">5,000</td> <td style="border: 1px solid black; padding: 5px;">4,500</td> <td style="border-right: 1px solid black; padding-right: 5px;">hundreds 500</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">0 0 0</td> <td style="border: 1px solid black; padding: 5px;">0</td> <td style="border: 1px solid black; padding: 5px;">0</td> <td style="border: 1px solid black; padding: 5px;">0</td> <td style="border-right: 1px solid black; padding-right: 5px;">tens 0</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">200 10 9</td> <td style="border: 1px solid black; padding: 5px;">200</td> <td style="border: 1px solid black; padding: 5px;">10</td> <td style="border: 1px solid black; padding: 5px;">9</td> <td style="border-right: 1px solid black; padding-right: 5px;">ones 1</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">+ _____</td> <td colspan="3"></td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">109,719</td> <td colspan="3"></td> <td></td> </tr> </tbody> </table>		hundreds	tens	ones			200	10	9		100,000 5,000 4,500	100,000	5,000	4,500	hundreds 500	0 0 0	0	0	0	tens 0	200 10 9	200	10	9	ones 1	+ _____					109,719				
	hundreds	tens	ones																																																																																																								
	700	20	6																																																																																																								
140,000 4,000 1,200	140,000	4,000	1,200	hundreds 200																																																																																																							
35,000 1,000 300	35,000	1,000	300	tens 50																																																																																																							
6,300 180 54	6,300	180	54	ones 9																																																																																																							
+ _____																																																																																																											
188,034																																																																																																											
	hundreds	tens	ones																																																																																																								
	500	30	5																																																																																																								
400,000 24,000 4,000	400,000	24,000	4,000	hundreds 800																																																																																																							
10,000 600 100	10,000	600	100	tens 20																																																																																																							
500 30 5	500	30	5	ones 1																																																																																																							
+ _____																																																																																																											
439,235																																																																																																											
	hundreds	tens	ones																																																																																																								
	200	10	9																																																																																																								
100,000 5,000 4,500	100,000	5,000	4,500	hundreds 500																																																																																																							
0 0 0	0	0	0	tens 0																																																																																																							
200 10 9	200	10	9	ones 1																																																																																																							
+ _____																																																																																																											
109,719																																																																																																											
<p>(10) $484 \times 498 = 241,032$</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;"></th> <th style="width: 33%; text-align: center;">hundreds</th> <th style="width: 33%; text-align: center;">tens</th> <th style="width: 33%; text-align: center;">ones</th> <th style="width: 33%;"></th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;">400</td> <td style="text-align: center;">80</td> <td style="text-align: center;">4</td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">160,000 32,000 1,600</td> <td style="border: 1px solid black; padding: 5px;">160,000</td> <td style="border: 1px solid black; padding: 5px;">32,000</td> <td style="border: 1px solid black; padding: 5px;">1,600</td> <td style="border-right: 1px solid black; padding-right: 5px;">hundreds 400</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">36,000 7,200 360</td> <td style="border: 1px solid black; padding: 5px;">36,000</td> <td style="border: 1px solid black; padding: 5px;">7,200</td> <td style="border: 1px solid black; padding: 5px;">360</td> <td style="border-right: 1px solid black; padding-right: 5px;">tens 90</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">3,200 640 32</td> <td style="border: 1px solid black; padding: 5px;">3,200</td> <td style="border: 1px solid black; padding: 5px;">640</td> <td style="border: 1px solid black; padding: 5px;">32</td> <td style="border-right: 1px solid black; padding-right: 5px;">ones 8</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">+ _____</td> <td colspan="3"></td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">241,032</td> <td colspan="3"></td> <td></td> </tr> </tbody> </table>		hundreds	tens	ones			400	80	4		160,000 32,000 1,600	160,000	32,000	1,600	hundreds 400	36,000 7,200 360	36,000	7,200	360	tens 90	3,200 640 32	3,200	640	32	ones 8	+ _____					241,032					<p>(11) $358 \times 792 = 283,536$</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;"></th> <th style="width: 33%; text-align: center;">hundreds</th> <th style="width: 33%; text-align: center;">tens</th> <th style="width: 33%; text-align: center;">ones</th> <th style="width: 33%;"></th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;">300</td> <td style="text-align: center;">50</td> <td style="text-align: center;">8</td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">210,000 35,000 5,600</td> <td style="border: 1px solid black; padding: 5px;">210,000</td> <td style="border: 1px solid black; padding: 5px;">35,000</td> <td style="border: 1px solid black; padding: 5px;">5,600</td> <td style="border-right: 1px solid black; padding-right: 5px;">hundreds 700</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">27,000 4,500 720</td> <td style="border: 1px solid black; padding: 5px;">27,000</td> <td style="border: 1px solid black; padding: 5px;">4,500</td> <td style="border: 1px solid black; padding: 5px;">720</td> <td style="border-right: 1px solid black; padding-right: 5px;">tens 90</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">600 100 16</td> <td style="border: 1px solid black; padding: 5px;">600</td> <td style="border: 1px solid black; padding: 5px;">100</td> <td style="border: 1px solid black; padding: 5px;">16</td> <td style="border-right: 1px solid black; padding-right: 5px;">ones 2</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">+ _____</td> <td colspan="3"></td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">283,536</td> <td colspan="3"></td> <td></td> </tr> </tbody> </table>		hundreds	tens	ones			300	50	8		210,000 35,000 5,600	210,000	35,000	5,600	hundreds 700	27,000 4,500 720	27,000	4,500	720	tens 90	600 100 16	600	100	16	ones 2	+ _____					283,536					<p>(12) $183 \times 518 = 94,794$</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;"></th> <th style="width: 33%; text-align: center;">hundreds</th> <th style="width: 33%; text-align: center;">tens</th> <th style="width: 33%; text-align: center;">ones</th> <th style="width: 33%;"></th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;">100</td> <td style="text-align: center;">80</td> <td style="text-align: center;">3</td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">50,000 40,000 1,500</td> <td style="border: 1px solid black; padding: 5px;">50,000</td> <td style="border: 1px solid black; padding: 5px;">40,000</td> <td style="border: 1px solid black; padding: 5px;">1,500</td> <td style="border-right: 1px solid black; padding-right: 5px;">hundreds 500</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">1,000 800 30</td> <td style="border: 1px solid black; padding: 5px;">1,000</td> <td style="border: 1px solid black; padding: 5px;">800</td> <td style="border: 1px solid black; padding: 5px;">30</td> <td style="border-right: 1px solid black; padding-right: 5px;">tens 10</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">800 640 24</td> <td style="border: 1px solid black; padding: 5px;">800</td> <td style="border: 1px solid black; padding: 5px;">640</td> <td style="border: 1px solid black; padding: 5px;">24</td> <td style="border-right: 1px solid black; padding-right: 5px;">ones 8</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">+ _____</td> <td colspan="3"></td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">94,794</td> <td colspan="3"></td> <td></td> </tr> </tbody> </table>		hundreds	tens	ones			100	80	3		50,000 40,000 1,500	50,000	40,000	1,500	hundreds 500	1,000 800 30	1,000	800	30	tens 10	800 640 24	800	640	24	ones 8	+ _____					94,794				
	hundreds	tens	ones																																																																																																								
	400	80	4																																																																																																								
160,000 32,000 1,600	160,000	32,000	1,600	hundreds 400																																																																																																							
36,000 7,200 360	36,000	7,200	360	tens 90																																																																																																							
3,200 640 32	3,200	640	32	ones 8																																																																																																							
+ _____																																																																																																											
241,032																																																																																																											
	hundreds	tens	ones																																																																																																								
	300	50	8																																																																																																								
210,000 35,000 5,600	210,000	35,000	5,600	hundreds 700																																																																																																							
27,000 4,500 720	27,000	4,500	720	tens 90																																																																																																							
600 100 16	600	100	16	ones 2																																																																																																							
+ _____																																																																																																											
283,536																																																																																																											
	hundreds	tens	ones																																																																																																								
	100	80	3																																																																																																								
50,000 40,000 1,500	50,000	40,000	1,500	hundreds 500																																																																																																							
1,000 800 30	1,000	800	30	tens 10																																																																																																							
800 640 24	800	640	24	ones 8																																																																																																							
+ _____																																																																																																											
94,794																																																																																																											