

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) $436 \times 920 =$</p>	<p>(3) $693 \times 726 =$</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) $828 \times 972 =$</p>	<p>(5) $112 \times 707 =$</p>	<p>(6) $530 \times 482 =$</p>																																																																	
<p>(7) $961 \times 259 =$</p>	<p>(8) $613 \times 879 =$</p>	<p>(9) $671 \times 235 =$</p>																																																																	
<p>(10) $286 \times 524 =$</p>	<p>(11) $789 \times 624 =$</p>	<p>(12) $871 \times 516 =$</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="text-align: left;"></th> <th style="text-align: center;">hundreds</th> <th style="text-align: center;">tens</th> <th style="text-align: center;">ones</th> <th style="text-align: left;"></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-left: 1px solid black; padding-left: 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-left: 1px solid black; padding-left: 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-left: 1px solid black; padding-left: 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 colspan="5" style="padding-top: 5px;">338,355</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) $436 \times 920 = 401,120$</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"></th> <th style="text-align: center;">hundreds</th> <th style="text-align: center;">tens</th> <th style="text-align: center;">ones</th> <th style="text-align: left;"></th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;">400</td> <td style="text-align: center;">30</td> <td style="text-align: center;">6</td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">360,000 27,000 5,400</td> <td style="border: 1px solid black; padding: 5px;">360,000</td> <td style="border: 1px solid black; padding: 5px;">27,000</td> <td style="border: 1px solid black; padding: 5px;">5,400</td> <td style="border-left: 1px solid black; padding-left: 5px;">hundreds 900</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">8,000 600 120</td> <td style="border: 1px solid black; padding: 5px;">8,000</td> <td style="border: 1px solid black; padding: 5px;">600</td> <td style="border: 1px solid black; padding: 5px;">120</td> <td style="border-left: 1px solid black; padding-left: 5px;">tens 20</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-left: 1px solid black; padding-left: 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 colspan="5" style="padding-top: 5px;">401,120</td> </tr> </tbody> </table>		hundreds	tens	ones			400	30	6		360,000 27,000 5,400	360,000	27,000	5,400	hundreds 900	8,000 600 120	8,000	600	120	tens 20	0 0 0	0	0	0	ones 0	+ _____					401,120					<p>(3) $693 \times 726 = 503,118$</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"></th> <th style="text-align: center;">hundreds</th> <th style="text-align: center;">tens</th> <th style="text-align: center;">ones</th> <th style="text-align: left;"></th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;">600</td> <td style="text-align: center;">90</td> <td style="text-align: center;">3</td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">420,000 63,000 2,100</td> <td style="border: 1px solid black; padding: 5px;">420,000</td> <td style="border: 1px solid black; padding: 5px;">63,000</td> <td style="border: 1px solid black; padding: 5px;">2,100</td> <td style="border-left: 1px solid black; padding-left: 5px;">hundreds 700</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">12,000 1,800 60</td> <td style="border: 1px solid black; padding: 5px;">12,000</td> <td style="border: 1px solid black; padding: 5px;">1,800</td> <td style="border: 1px solid black; padding: 5px;">60</td> <td style="border-left: 1px solid black; padding-left: 5px;">tens 20</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">3,600 540 18</td> <td style="border: 1px solid black; padding: 5px;">3,600</td> <td style="border: 1px solid black; padding: 5px;">540</td> <td style="border: 1px solid black; padding: 5px;">18</td> <td style="border-left: 1px solid black; padding-left: 5px;">ones 6</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">+ _____</td> <td colspan="3"></td> <td></td> </tr> <tr> <td colspan="5" style="padding-top: 5px;">503,118</td> </tr> </tbody> </table>		hundreds	tens	ones			600	90	3		420,000 63,000 2,100	420,000	63,000	2,100	hundreds 700	12,000 1,800 60	12,000	1,800	60	tens 20	3,600 540 18	3,600	540	18	ones 6	+ _____					503,118				
	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	30	6																																																																																																								
360,000 27,000 5,400	360,000	27,000	5,400	hundreds 900																																																																																																							
8,000 600 120	8,000	600	120	tens 20																																																																																																							
0 0 0	0	0	0	ones 0																																																																																																							
+ _____																																																																																																											
401,120																																																																																																											
	hundreds	tens	ones																																																																																																								
	600	90	3																																																																																																								
420,000 63,000 2,100	420,000	63,000	2,100	hundreds 700																																																																																																							
12,000 1,800 60	12,000	1,800	60	tens 20																																																																																																							
3,600 540 18	3,600	540	18	ones 6																																																																																																							
+ _____																																																																																																											
503,118																																																																																																											
<p>(4) $828 \times 972 = 804,816$</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"></th> <th style="text-align: center;">hundreds</th> <th style="text-align: center;">tens</th> <th style="text-align: center;">ones</th> <th style="text-align: left;"></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;">8</td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">720,000 18,000 7,200</td> <td style="border: 1px solid black; padding: 5px;">720,000</td> <td style="border: 1px solid black; padding: 5px;">18,000</td> <td style="border: 1px solid black; padding: 5px;">7,200</td> <td style="border-left: 1px solid black; padding-left: 5px;">hundreds 900</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">56,000 1,400 560</td> <td style="border: 1px solid black; padding: 5px;">56,000</td> <td style="border: 1px solid black; padding: 5px;">1,400</td> <td style="border: 1px solid black; padding: 5px;">560</td> <td style="border-left: 1px solid black; padding-left: 5px;">tens 70</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">1,600 40 16</td> <td style="border: 1px solid black; padding: 5px;">1,600</td> <td style="border: 1px solid black; padding: 5px;">40</td> <td style="border: 1px solid black; padding: 5px;">16</td> <td style="border-left: 1px solid black; padding-left: 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 colspan="5" style="padding-top: 5px;">804,816</td> </tr> </tbody> </table>		hundreds	tens	ones			800	20	8		720,000 18,000 7,200	720,000	18,000	7,200	hundreds 900	56,000 1,400 560	56,000	1,400	560	tens 70	1,600 40 16	1,600	40	16	ones 2	+ _____					804,816					<p>(5) $112 \times 707 = 79,184$</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"></th> <th style="text-align: center;">hundreds</th> <th style="text-align: center;">tens</th> <th style="text-align: center;">ones</th> <th style="text-align: left;"></th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;">100</td> <td style="text-align: center;">10</td> <td style="text-align: center;">2</td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">70,000 7,000 1,400</td> <td style="border: 1px solid black; padding: 5px;">70,000</td> <td style="border: 1px solid black; padding: 5px;">7,000</td> <td style="border: 1px solid black; padding: 5px;">1,400</td> <td style="border-left: 1px solid black; padding-left: 5px;">hundreds 700</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-left: 1px solid black; padding-left: 5px;">tens 0</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">700 70 14</td> <td style="border: 1px solid black; padding: 5px;">700</td> <td style="border: 1px solid black; padding: 5px;">70</td> <td style="border: 1px solid black; padding: 5px;">14</td> <td style="border-left: 1px solid black; padding-left: 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 colspan="5" style="padding-top: 5px;">79,184</td> </tr> </tbody> </table>		hundreds	tens	ones			100	10	2		70,000 7,000 1,400	70,000	7,000	1,400	hundreds 700	0 0 0	0	0	0	tens 0	700 70 14	700	70	14	ones 7	+ _____					79,184					<p>(6) $530 \times 482 = 255,460$</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"></th> <th style="text-align: center;">hundreds</th> <th style="text-align: center;">tens</th> <th style="text-align: center;">ones</th> <th style="text-align: left;"></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;">0</td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">200,000 12,000 0</td> <td style="border: 1px solid black; padding: 5px;">200,000</td> <td style="border: 1px solid black; padding: 5px;">12,000</td> <td style="border: 1px solid black; padding: 5px;">0</td> <td style="border-left: 1px solid black; padding-left: 5px;">hundreds 400</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">40,000 2,400 0</td> <td style="border: 1px solid black; padding: 5px;">40,000</td> <td style="border: 1px solid black; padding: 5px;">2,400</td> <td style="border: 1px solid black; padding: 5px;">0</td> <td style="border-left: 1px solid black; padding-left: 5px;">tens 80</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">1,000 60 0</td> <td style="border: 1px solid black; padding: 5px;">1,000</td> <td style="border: 1px solid black; padding: 5px;">60</td> <td style="border: 1px solid black; padding: 5px;">0</td> <td style="border-left: 1px solid black; padding-left: 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 colspan="5" style="padding-top: 5px;">255,460</td> </tr> </tbody> </table>		hundreds	tens	ones			500	30	0		200,000 12,000 0	200,000	12,000	0	hundreds 400	40,000 2,400 0	40,000	2,400	0	tens 80	1,000 60 0	1,000	60	0	ones 2	+ _____					255,460				
	hundreds	tens	ones																																																																																																								
	800	20	8																																																																																																								
720,000 18,000 7,200	720,000	18,000	7,200	hundreds 900																																																																																																							
56,000 1,400 560	56,000	1,400	560	tens 70																																																																																																							
1,600 40 16	1,600	40	16	ones 2																																																																																																							
+ _____																																																																																																											
804,816																																																																																																											
	hundreds	tens	ones																																																																																																								
	100	10	2																																																																																																								
70,000 7,000 1,400	70,000	7,000	1,400	hundreds 700																																																																																																							
0 0 0	0	0	0	tens 0																																																																																																							
700 70 14	700	70	14	ones 7																																																																																																							
+ _____																																																																																																											
79,184																																																																																																											
	hundreds	tens	ones																																																																																																								
	500	30	0																																																																																																								
200,000 12,000 0	200,000	12,000	0	hundreds 400																																																																																																							
40,000 2,400 0	40,000	2,400	0	tens 80																																																																																																							
1,000 60 0	1,000	60	0	ones 2																																																																																																							
+ _____																																																																																																											
255,460																																																																																																											
<p>(7) $961 \times 259 = 248,899$</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"></th> <th style="text-align: center;">hundreds</th> <th style="text-align: center;">tens</th> <th style="text-align: center;">ones</th> <th style="text-align: left;"></th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;">900</td> <td style="text-align: center;">60</td> <td style="text-align: center;">1</td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">180,000 12,000 200</td> <td style="border: 1px solid black; padding: 5px;">180,000</td> <td style="border: 1px solid black; padding: 5px;">12,000</td> <td style="border: 1px solid black; padding: 5px;">200</td> <td style="border-left: 1px solid black; padding-left: 5px;">hundreds 200</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">45,000 3,000 50</td> <td style="border: 1px solid black; padding: 5px;">45,000</td> <td style="border: 1px solid black; padding: 5px;">3,000</td> <td style="border: 1px solid black; padding: 5px;">50</td> <td style="border-left: 1px solid black; padding-left: 5px;">tens 50</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">8,100 540 9</td> <td style="border: 1px solid black; padding: 5px;">8,100</td> <td style="border: 1px solid black; padding: 5px;">540</td> <td style="border: 1px solid black; padding: 5px;">9</td> <td style="border-left: 1px solid black; padding-left: 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 colspan="5" style="padding-top: 5px;">248,899</td> </tr> </tbody> </table>		hundreds	tens	ones			900	60	1		180,000 12,000 200	180,000	12,000	200	hundreds 200	45,000 3,000 50	45,000	3,000	50	tens 50	8,100 540 9	8,100	540	9	ones 9	+ _____					248,899					<p>(8) $613 \times 879 = 538,827$</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"></th> <th style="text-align: center;">hundreds</th> <th style="text-align: center;">tens</th> <th style="text-align: center;">ones</th> <th style="text-align: left;"></th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;">600</td> <td style="text-align: center;">10</td> <td style="text-align: center;">3</td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">480,000 8,000 2,400</td> <td style="border: 1px solid black; padding: 5px;">480,000</td> <td style="border: 1px solid black; padding: 5px;">8,000</td> <td style="border: 1px solid black; padding: 5px;">2,400</td> <td style="border-left: 1px solid black; padding-left: 5px;">hundreds 800</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">42,000 700 210</td> <td style="border: 1px solid black; padding: 5px;">42,000</td> <td style="border: 1px solid black; padding: 5px;">700</td> <td style="border: 1px solid black; padding: 5px;">210</td> <td style="border-left: 1px solid black; padding-left: 5px;">tens 70</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">5,400 90 27</td> <td style="border: 1px solid black; padding: 5px;">5,400</td> <td style="border: 1px solid black; padding: 5px;">90</td> <td style="border: 1px solid black; padding: 5px;">27</td> <td style="border-left: 1px solid black; padding-left: 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 colspan="5" style="padding-top: 5px;">538,827</td> </tr> </tbody> </table>		hundreds	tens	ones			600	10	3		480,000 8,000 2,400	480,000	8,000	2,400	hundreds 800	42,000 700 210	42,000	700	210	tens 70	5,400 90 27	5,400	90	27	ones 9	+ _____					538,827					<p>(9) $671 \times 235 = 157,685$</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"></th> <th style="text-align: center;">hundreds</th> <th style="text-align: center;">tens</th> <th style="text-align: center;">ones</th> <th style="text-align: left;"></th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;">600</td> <td style="text-align: center;">70</td> <td style="text-align: center;">1</td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">120,000 14,000 200</td> <td style="border: 1px solid black; padding: 5px;">120,000</td> <td style="border: 1px solid black; padding: 5px;">14,000</td> <td style="border: 1px solid black; padding: 5px;">200</td> <td style="border-left: 1px solid black; padding-left: 5px;">hundreds 200</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">18,000 2,100 30</td> <td style="border: 1px solid black; padding: 5px;">18,000</td> <td style="border: 1px solid black; padding: 5px;">2,100</td> <td style="border: 1px solid black; padding: 5px;">30</td> <td style="border-left: 1px solid black; padding-left: 5px;">tens 30</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">3,000 350 5</td> <td style="border: 1px solid black; padding: 5px;">3,000</td> <td style="border: 1px solid black; padding: 5px;">350</td> <td style="border: 1px solid black; padding: 5px;">5</td> <td style="border-left: 1px solid black; padding-left: 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 colspan="5" style="padding-top: 5px;">157,685</td> </tr> </tbody> </table>		hundreds	tens	ones			600	70	1		120,000 14,000 200	120,000	14,000	200	hundreds 200	18,000 2,100 30	18,000	2,100	30	tens 30	3,000 350 5	3,000	350	5	ones 5	+ _____					157,685				
	hundreds	tens	ones																																																																																																								
	900	60	1																																																																																																								
180,000 12,000 200	180,000	12,000	200	hundreds 200																																																																																																							
45,000 3,000 50	45,000	3,000	50	tens 50																																																																																																							
8,100 540 9	8,100	540	9	ones 9																																																																																																							
+ _____																																																																																																											
248,899																																																																																																											
	hundreds	tens	ones																																																																																																								
	600	10	3																																																																																																								
480,000 8,000 2,400	480,000	8,000	2,400	hundreds 800																																																																																																							
42,000 700 210	42,000	700	210	tens 70																																																																																																							
5,400 90 27	5,400	90	27	ones 9																																																																																																							
+ _____																																																																																																											
538,827																																																																																																											
	hundreds	tens	ones																																																																																																								
	600	70	1																																																																																																								
120,000 14,000 200	120,000	14,000	200	hundreds 200																																																																																																							
18,000 2,100 30	18,000	2,100	30	tens 30																																																																																																							
3,000 350 5	3,000	350	5	ones 5																																																																																																							
+ _____																																																																																																											
157,685																																																																																																											
<p>(10) $286 \times 524 = 149,864$</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"></th> <th style="text-align: center;">hundreds</th> <th style="text-align: center;">tens</th> <th style="text-align: center;">ones</th> <th style="text-align: left;"></th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;">200</td> <td style="text-align: center;">80</td> <td style="text-align: center;">6</td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">100,000 40,000 3,000</td> <td style="border: 1px solid black; padding: 5px;">100,000</td> <td style="border: 1px solid black; padding: 5px;">40,000</td> <td style="border: 1px solid black; padding: 5px;">3,000</td> <td style="border-left: 1px solid black; padding-left: 5px;">hundreds 500</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">4,000 1,600 120</td> <td style="border: 1px solid black; padding: 5px;">4,000</td> <td style="border: 1px solid black; padding: 5px;">1,600</td> <td style="border: 1px solid black; padding: 5px;">120</td> <td style="border-left: 1px solid black; padding-left: 5px;">tens 20</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">800 320 24</td> <td style="border: 1px solid black; padding: 5px;">800</td> <td style="border: 1px solid black; padding: 5px;">320</td> <td style="border: 1px solid black; padding: 5px;">24</td> <td style="border-left: 1px solid black; padding-left: 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 colspan="5" style="padding-top: 5px;">149,864</td> </tr> </tbody> </table>		hundreds	tens	ones			200	80	6		100,000 40,000 3,000	100,000	40,000	3,000	hundreds 500	4,000 1,600 120	4,000	1,600	120	tens 20	800 320 24	800	320	24	ones 4	+ _____					149,864					<p>(11) $789 \times 624 = 492,336$</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"></th> <th style="text-align: center;">hundreds</th> <th style="text-align: center;">tens</th> <th style="text-align: center;">ones</th> <th style="text-align: left;"></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;">9</td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">420,000 48,000 5,400</td> <td style="border: 1px solid black; padding: 5px;">420,000</td> <td style="border: 1px solid black; padding: 5px;">48,000</td> <td style="border: 1px solid black; padding: 5px;">5,400</td> <td style="border-left: 1px solid black; padding-left: 5px;">hundreds 600</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">14,000 1,600 180</td> <td style="border: 1px solid black; padding: 5px;">14,000</td> <td style="border: 1px solid black; padding: 5px;">1,600</td> <td style="border: 1px solid black; padding: 5px;">180</td> <td style="border-left: 1px solid black; padding-left: 5px;">tens 20</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">2,800 320 36</td> <td style="border: 1px solid black; padding: 5px;">2,800</td> <td style="border: 1px solid black; padding: 5px;">320</td> <td style="border: 1px solid black; padding: 5px;">36</td> <td style="border-left: 1px solid black; padding-left: 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 colspan="5" style="padding-top: 5px;">492,336</td> </tr> </tbody> </table>		hundreds	tens	ones			700	80	9		420,000 48,000 5,400	420,000	48,000	5,400	hundreds 600	14,000 1,600 180	14,000	1,600	180	tens 20	2,800 320 36	2,800	320	36	ones 4	+ _____					492,336					<p>(12) $871 \times 516 = 449,436$</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"></th> <th style="text-align: center;">hundreds</th> <th style="text-align: center;">tens</th> <th style="text-align: center;">ones</th> <th style="text-align: left;"></th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;">800</td> <td style="text-align: center;">70</td> <td style="text-align: center;">1</td> <td></td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">400,000 35,000 500</td> <td style="border: 1px solid black; padding: 5px;">400,000</td> <td style="border: 1px solid black; padding: 5px;">35,000</td> <td style="border: 1px solid black; padding: 5px;">500</td> <td style="border-left: 1px solid black; padding-left: 5px;">hundreds 500</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">8,000 700 10</td> <td style="border: 1px solid black; padding: 5px;">8,000</td> <td style="border: 1px solid black; padding: 5px;">700</td> <td style="border: 1px solid black; padding: 5px;">10</td> <td style="border-left: 1px solid black; padding-left: 5px;">tens 10</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">4,800 420 6</td> <td style="border: 1px solid black; padding: 5px;">4,800</td> <td style="border: 1px solid black; padding: 5px;">420</td> <td style="border: 1px solid black; padding: 5px;">6</td> <td style="border-left: 1px solid black; padding-left: 5px;">ones 6</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">+ _____</td> <td colspan="3"></td> <td></td> </tr> <tr> <td colspan="5" style="padding-top: 5px;">449,436</td> </tr> </tbody> </table>		hundreds	tens	ones			800	70	1		400,000 35,000 500	400,000	35,000	500	hundreds 500	8,000 700 10	8,000	700	10	tens 10	4,800 420 6	4,800	420	6	ones 6	+ _____					449,436				
	hundreds	tens	ones																																																																																																								
	200	80	6																																																																																																								
100,000 40,000 3,000	100,000	40,000	3,000	hundreds 500																																																																																																							
4,000 1,600 120	4,000	1,600	120	tens 20																																																																																																							
800 320 24	800	320	24	ones 4																																																																																																							
+ _____																																																																																																											
149,864																																																																																																											
	hundreds	tens	ones																																																																																																								
	700	80	9																																																																																																								
420,000 48,000 5,400	420,000	48,000	5,400	hundreds 600																																																																																																							
14,000 1,600 180	14,000	1,600	180	tens 20																																																																																																							
2,800 320 36	2,800	320	36	ones 4																																																																																																							
+ _____																																																																																																											
492,336																																																																																																											
	hundreds	tens	ones																																																																																																								
	800	70	1																																																																																																								
400,000 35,000 500	400,000	35,000	500	hundreds 500																																																																																																							
8,000 700 10	8,000	700	10	tens 10																																																																																																							
4,800 420 6	4,800	420	6	ones 6																																																																																																							
+ _____																																																																																																											
449,436																																																																																																											