

Long Multiplication 3

There are various ways of calculating answers when multiplying numbers when both have 2 or more digits. This method uses a lattice or diagonal grid and then adds the answers together.

Example: 28×345

		3	4	5	
		0	0	1	2
		6	8	0	
		2	3	4	8
		4	2	0	
9	6	6	0		

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So the final answer is 9660

1. Write each answer with tens above the diagonal and units below.
2. Add the answers diagonally, carrying as usual if necessary
3. You should see the final answer below the lattice/grid.

Now try these using the same method.

1. $63 \times 41 =$ _____

2. $26 \times 84 =$ _____

3. $39 \times 43 =$ _____

4. $47 \times 92 =$ _____

5. $68 \times 257 =$ _____

6. $24 \times 607 =$ _____

Long Multiplication 3 – ANSWERS

1. $63 \times 41 = 2583$

2. $26 \times 84 = 2184$

3. $39 \times 43 = 1677$

4. $47 \times 92 = 4324$

5. $68 \times 257 = 17476$

6. $24 \times 607 = 14568$