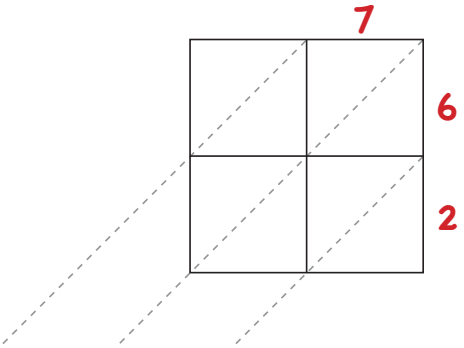
Lattice Multiplication

1 Digits x 2 Digits

1. Write one number accross the top of the grid, and the other number along the right side.

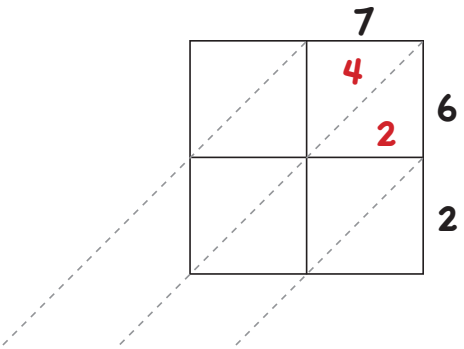
We are mulitiplying **7 x 62**



2. Multiply each single digit on the top by each single digit on the right side.

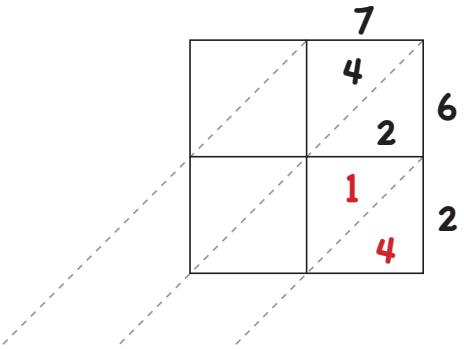
Write answer in the square. Each triangle in the square gets it's own digit. If the answer is a single digit, put 0 in the first triangle.

7 x 6 = 42



3. Continue multiplying each single digit on the right side by the single digits on the top.

7 x 2 = 14



4. Starting on the right, add numbers diagonally and write sum next to dotted line. You might have to carry two-digit sums to the next place.

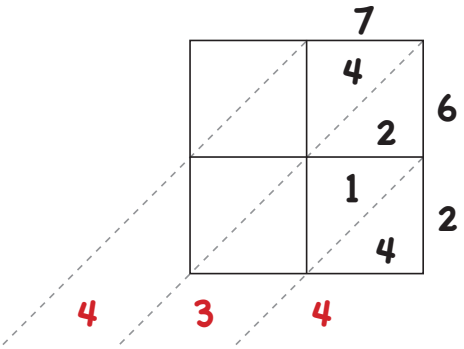
Sums from right to left:

4 (The bottom right triangle never changes.)

2 + 1 = 3

4 + 0 = 4

Answer: 7 x 62 = 434

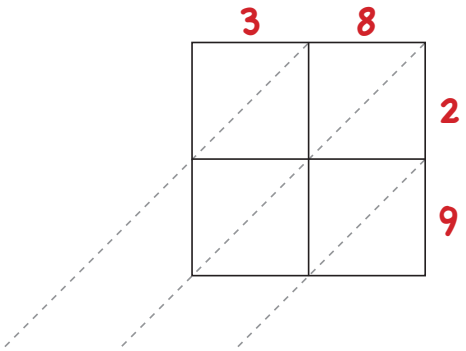


Lattice Multiplication

2 Digits x 2 Digits

1. Write one number accross the top of the grid, and the other number along the right side.

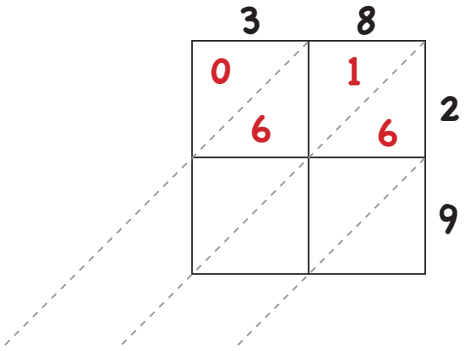
We are mulitiplying **38 x 29**



2. Multiply each single digit on the top by each single digit on the right side.

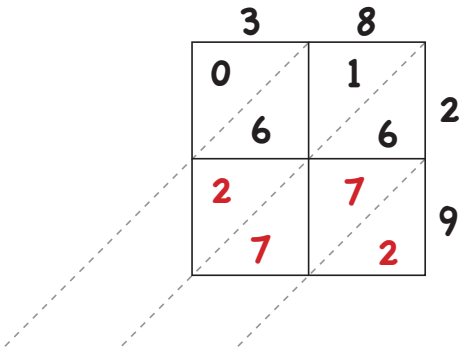
Write answer in the square. Each triangle in the square gets it's own digit. If the answer is a single digit, put 0 in the first triangle.

3 x 2 = 6 (write 0, 6)
8 x 2 = 16



3. Continue multiplying each single digit on the right side by the single digits on the top.

3 x 9 = 27
8 x 9 = 72



4. Starting on the right, add numbers diagonally and write sum next to dotted line. You might have to carry two-digit sums to the next place.

Sums from right to left:

2 (The bottom right triangle never changes.)

6 + 7 + 7 = 20 (Write 0, carry the 2)

1 + 6 + 2 (+ 2 , the carried number) = 11

Answer: 38 x 29 = 1102