Lattice multiplication

Name: .... **Class:** ....

Use the lattice method to find the product of the following expressions.

102 x 195

724 x 36

293 x 50

15 x 120

390 x 14

133 x 30

120 x 5

600 x 60

218 x 31

183 x 26

113 x 113

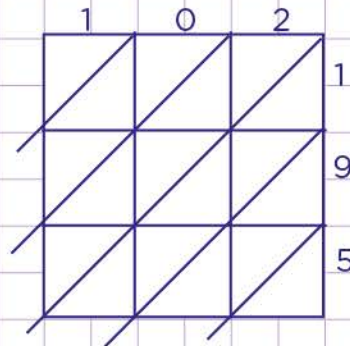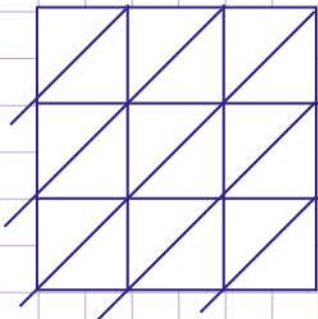Name: .... Class: ....
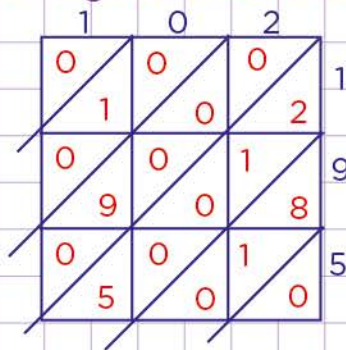
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102 x 195
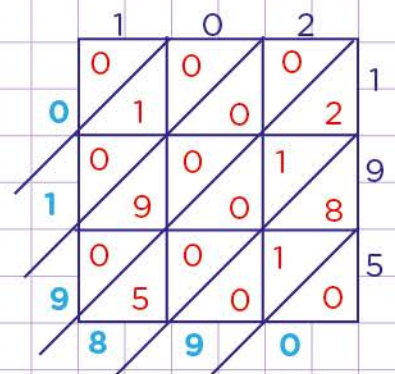
Let's first of all draw a 3 by 3 grid and split up each cell digonally.

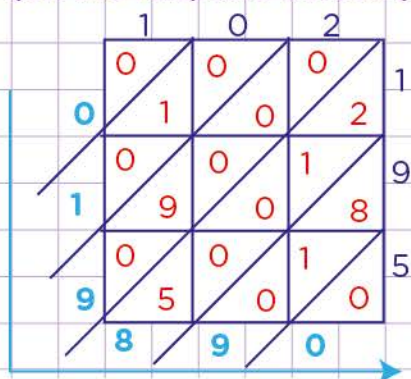Write the digits of the multiplicants on each row.

Now, lets multiply the number that is on each box with the number that is to the right of each box. Place the answer in the box with the ones digits to the left of the digonal and the tens digit to the right of the diagonal.

Next add the numbers in the boxes diagonally.Then carry into the next colum if there is a carry over.

Finally, to get the product of **102 and 195**, write the numbers from top to bottom **(on the left)** and across **(on the bottom)** as shown below.

= 19, 890

So, 102 x 195 = 19 890.