Multiply by 11 Tricks

What is the pattern for multiplying 1x11 through 9x11?

Whatever number is being multiplied will go in the tens place and in the ones place.

Here's a fun way to multiply ANY two-digit number by 11.

Let's multiply 11 by 18. First, jot down 1 and 8 with a space between it. 1__8.
Add the 8 and the 1 and put that number in the middle: 1 9 8
If the number adds to equal 10... for example in 11 x 73 7 10 3, carry the 1 add it to the 7, so your final answer will be 8 0 3.

Try a few problems using this strategy. Show your work.

11 x 19 = 209

1 10 9
2 0 9

11 x 36 = 396

3 9 6

11 x 22 = 242

2 4 2

11 x 55 = 605

5 10 5
6 0 5

11 x 14 = 154

1 5 4

11 x 11 = 121

1 2 1

11 x 17 = 187

1 8 7

11 x 42 = 462

4 6 2

11 x 77 = 847

7 14 7
8 4 7