Let's Do Lattice Multiplication

Another way to figure out multiplication problems is with the use of a lattice. Remember: The number with the most digits determines the columns, and the number with the least amount of digits determines the rows.

For example let's try: $3 \times 27 =$ _____



Draw a rectangle and divide it in half.

Place your numbers on the sides of the lattice. Draw diagonals at the corners.



first set of triangles.



Now add diagonally.



Multiply the tens place: $3 \times 2 = 6$ Place a 0 in the tens place triangle. Place your answer in the ones place triangle.



Your answer is 81.

