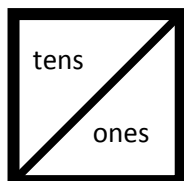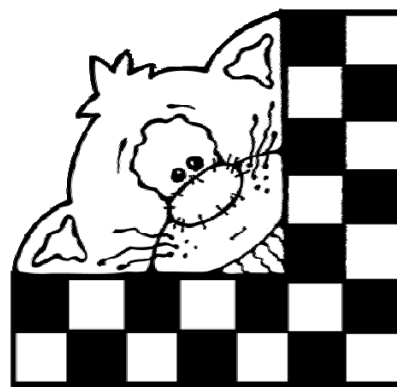Name _____   Date_____

Using the Lattice Method of Multiplication Lesson

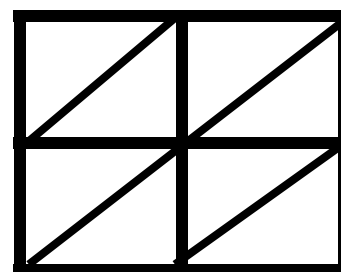**Solve the problem using the lattice method: 83 x 24**

Explanation:

When you are multiplying large numbers you can use the lattice method to simplify it for you. The lattice uses boxes that break things into place values. In this case, tens and ones:

Since we have two 2-digit numbers we will need 4 boxes as you can see below.
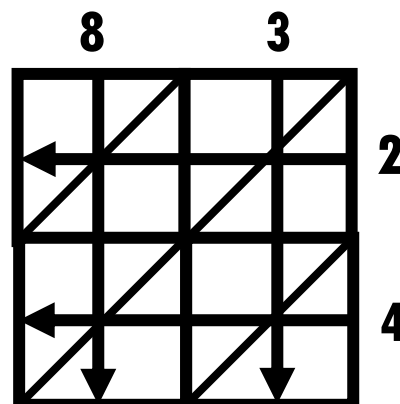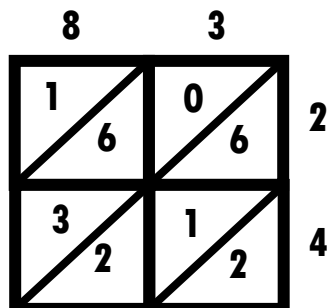
Step 1:Set the numbers we are multiplying across the top and side of the lattice we have created.

Step 2: Multiply the numbers that meet in each box separate the

products into place values using the diagonal line.

For instance 8 x 2 = 16

We therefore break the 1 and the 6 by the diagonal line.

Step 3: Add the numbers between the diagonals to get your answer.

So the final answer is: 1,992