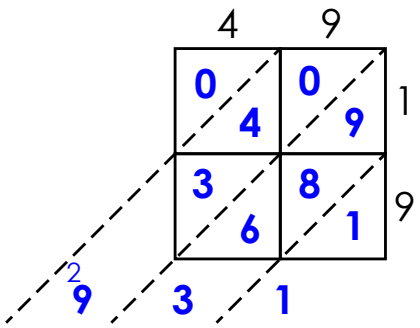
Name: _____ **2-Digit by 2-Digit Lattice**

Lattice Multiplication

Find 49 x 19

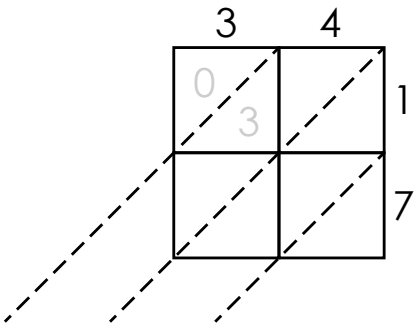


Answer: 49 x 19 = 931

Step 1: Write the numbers you are multiplying along the top and side of the grid.
Step 2: Multiply the single digits on the top by the single digits on the side to fill in the squares.
Step 3: Add diagonally to find your answer.
Note: When adding, you may have to carry double digit sums to the next place.

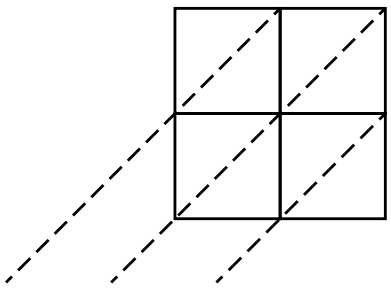
Solve using lattice multiplication.

a. Find 34 x 17.



Answer: _____

b. Find 86 x 39.

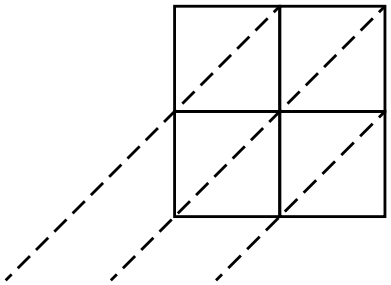


Answer: _____

Name: _____ **2-Digit by 2-Digit Lattice**

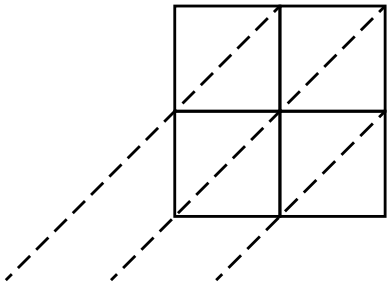
Lattice Multiplication

c. Find 24 x 56.



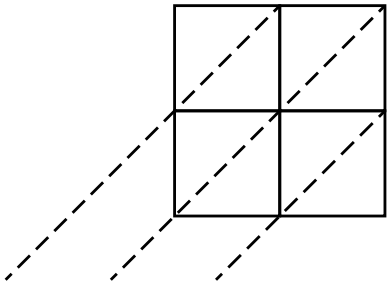
Answer: _____

d. Find 53 x 29.



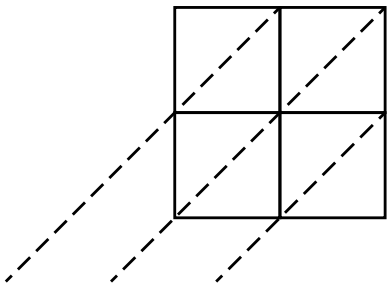
Answer: _____

e. Find 71 x 80.



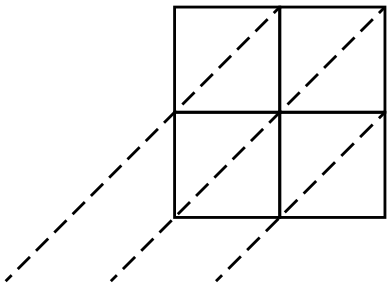
Answer: _____

f. Find 83 x 27.



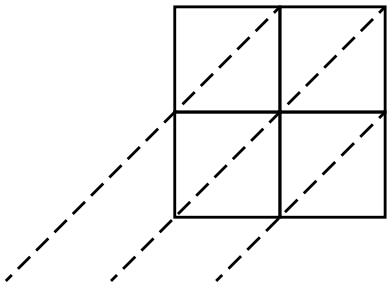
Answer: _____

g. Find 13 x 83.



Answer: _____

h. Find 41 x 46.

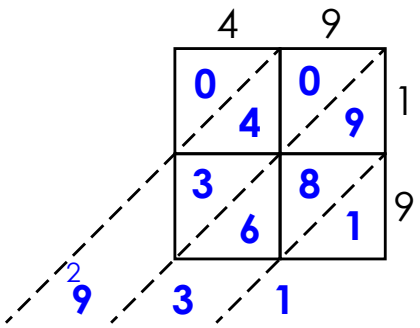


Answer: _____

ANSWER KEY

Lattice Multiplication

Find 49 x 19

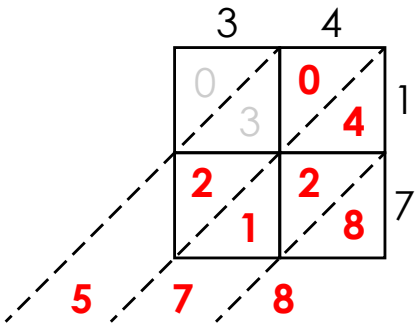


Answer: 49 x 19 = 931

Step 1: Write the numbers you are multiplying along the top and side of the grid.
Step 2: Multiply the single digits on the top by the single digits on the side to fill in the squares.
Step 3: Add diagonally to find your answer.
Note: When adding, you may have to carry double digit sums to the next place.

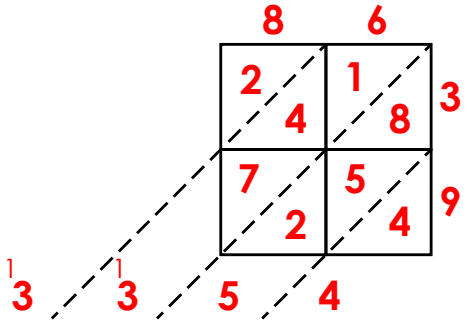
Solve using lattice multiplication.

a. Find 34 x 17.



Answer: 34 x 17 = 578

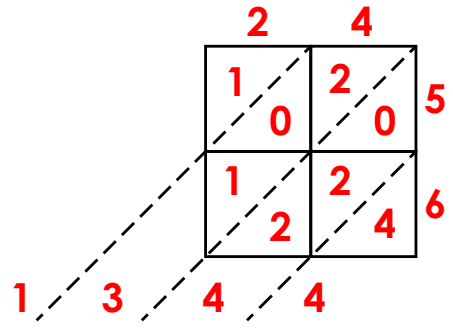
b. Find 86 x 39.



Answer: 86 x 39 = 3,354

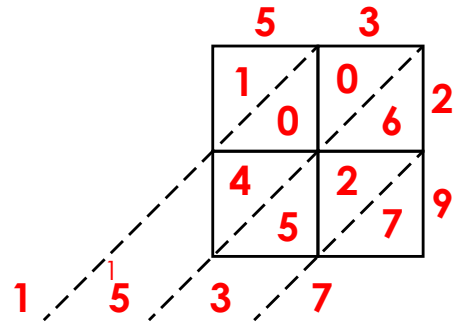
Lattice Multiplication

c. Find 24 x 56.



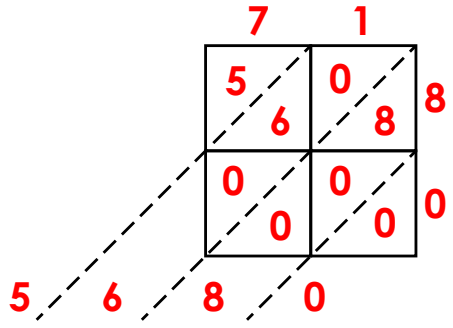
Answer: 24 x 56 = 1,344

d. Find 53 x 29.



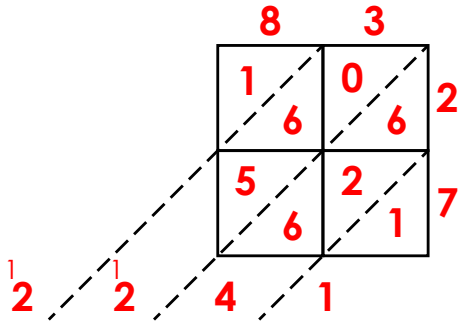
Answer: 53 x 29 = 1,537

e. Find 71 x 80.



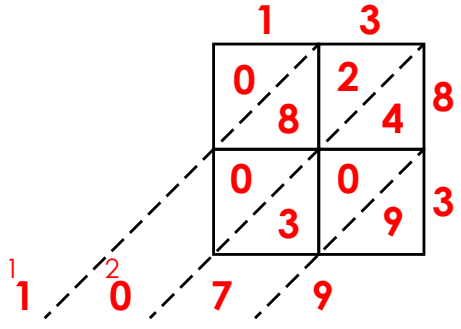
Answer: 71 x 80 = 5,680

f. Find 83 x 27.



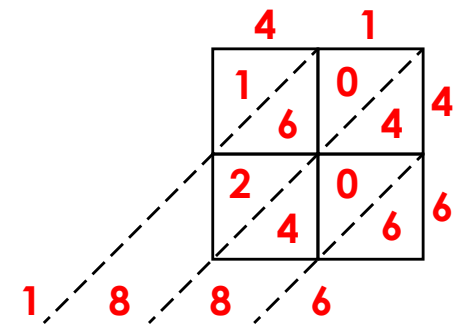
Answer: 83 x 27 = 2,241

g. Find 13 x 83.



Answer: 13 x 83 = 1,079

h. Find 41 x 46.



Answer: 41 x 46 = 1,886