

Name: Class:

Lattice multiplication



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

35 x 24

92 x 14

47 x 73

57 x 19

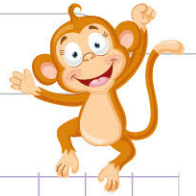
70 x 55

40 x 20



Name: Class:

Lattice multiplication

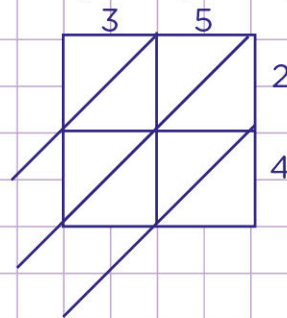
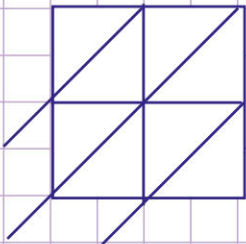


Use the lattice method to find the product of the following expressions.

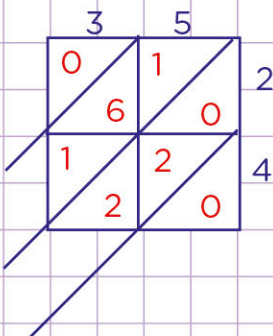
35×24

Let's first of all draw a 2 by 2 grid and split up each cell diagonally.

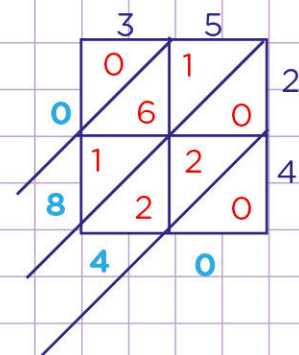
Secondly, we will write 2 multiplicands of the product to be calculated along the top and right side of the grid.



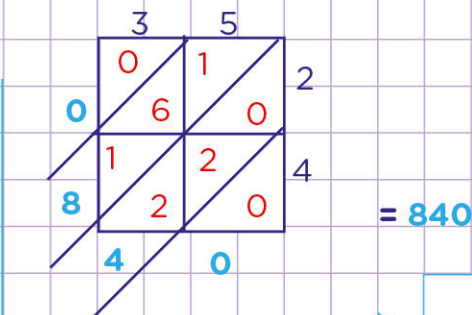
Thirdly, let's multiply the number that is on the top of each box with the number that is to the right of each box. Place the answer in the box, with the ones digits to the right of the diagonal and the tens digit to the left of the diagonal.



fourthly, add the numbers in the boxes diagonally (carry into the next column if there is a carry over).



Finally to get the product of **63 by 49**, write the numbers from the top left to the bottom as shown below



$= 840$

So, $35 \times 24 = 840$

