Lattice Multiplication with Decimals

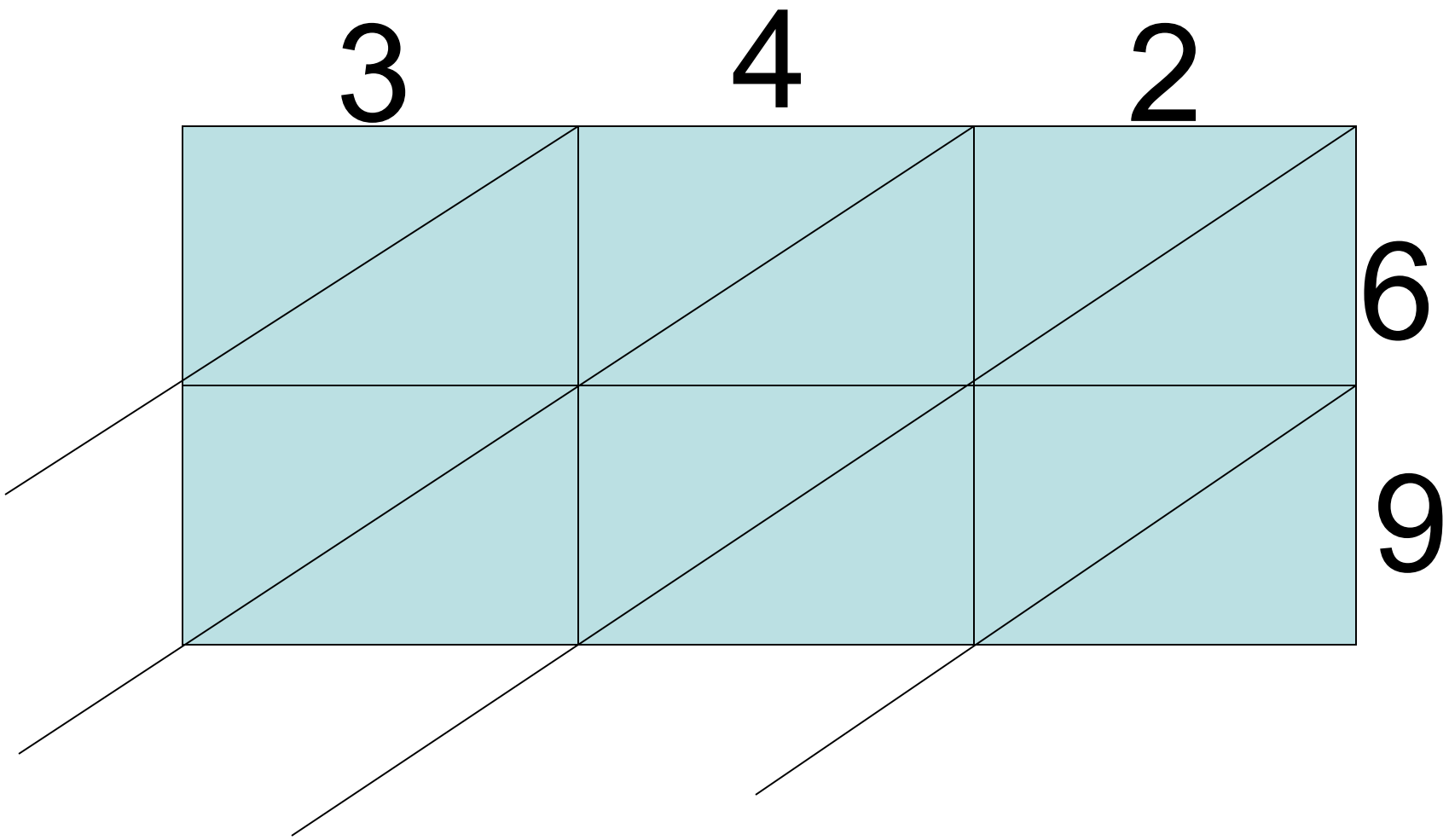
Step-by-Step

3.42 * 6.9 =

Ok! I know how to do Lattice, but I don't remember how to multiply with decimals!!!

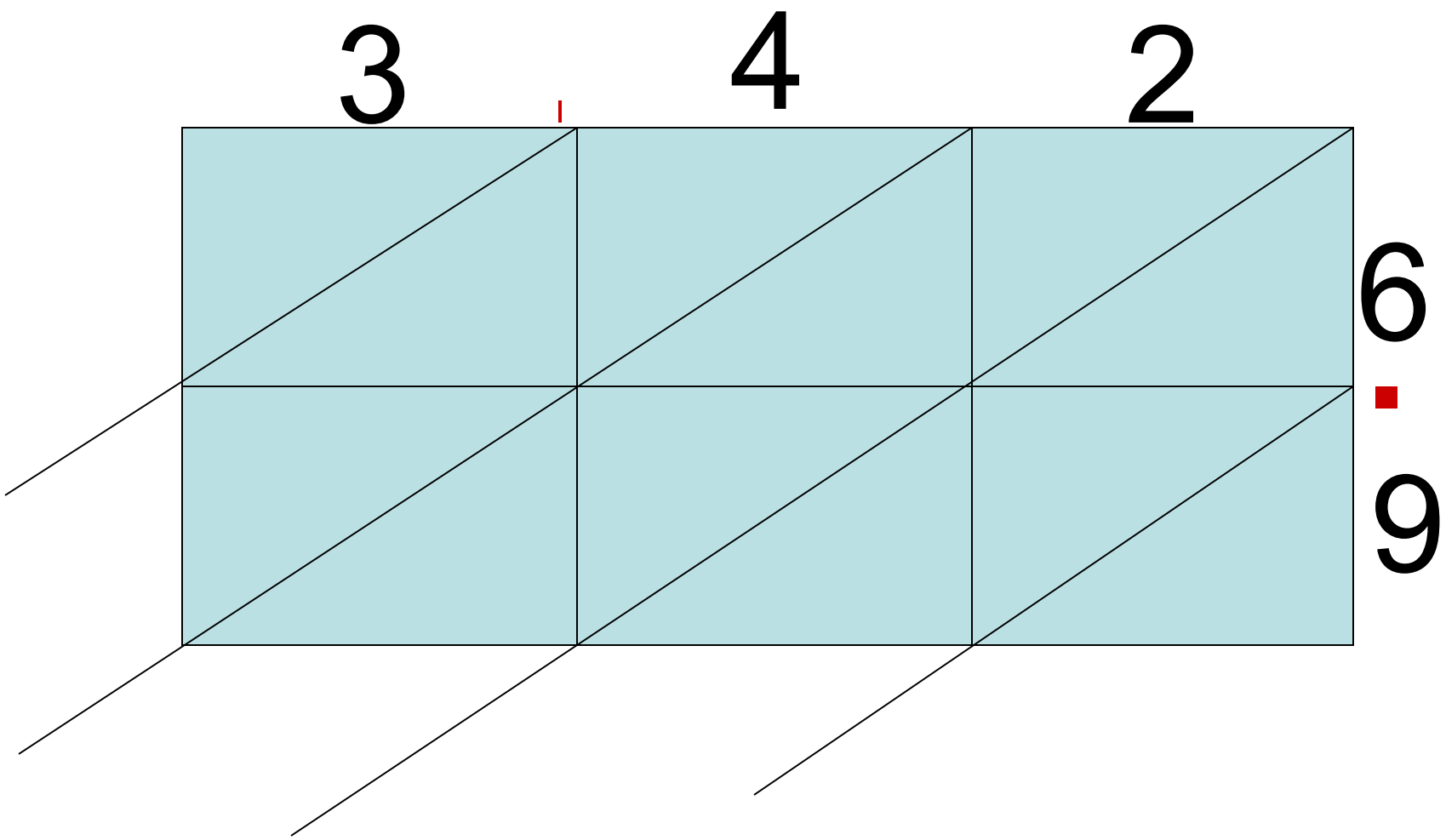
3.42 * 6.9

Make a grid the exact size of your problem. A 2 digit number times a 3 digit number gets a 2 x 3 grid. Draw a diagonal line in each box.



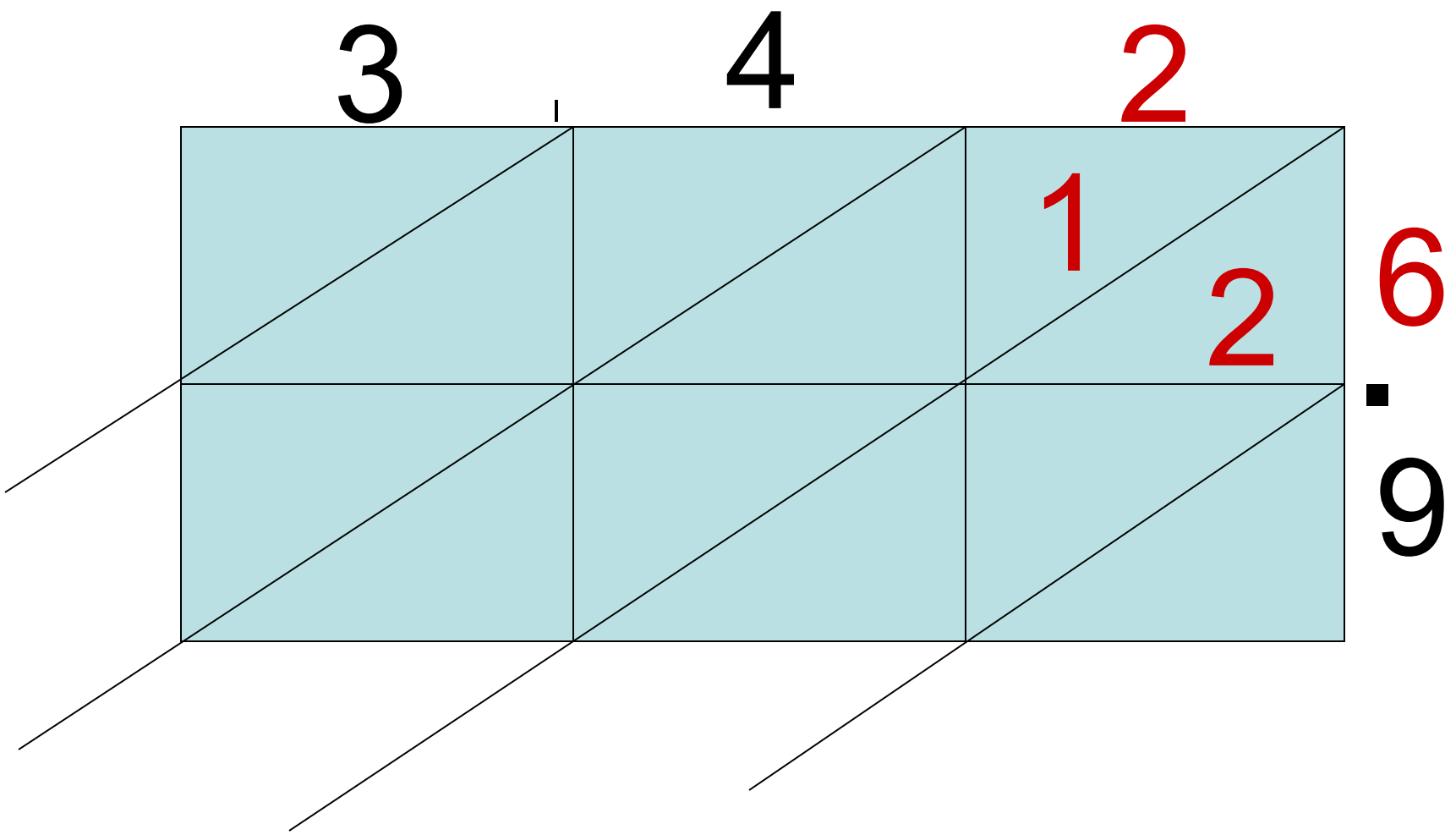
3.42 * 6.9

Place the decimal point above/beside the line in the grid.



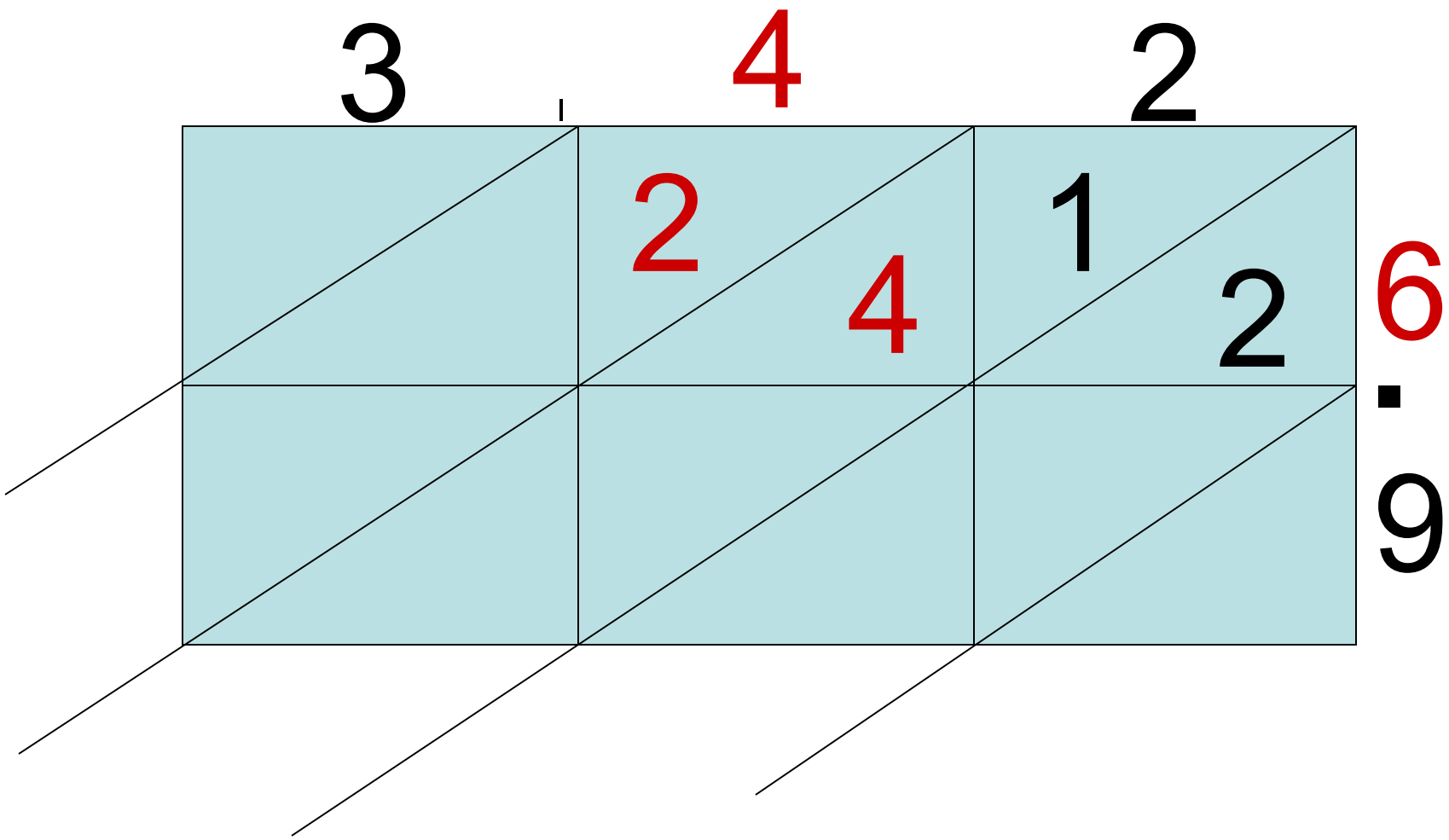
3.42 * 6.9

Multiply 6 * 2 and place the answer in the grid where the lines meet.



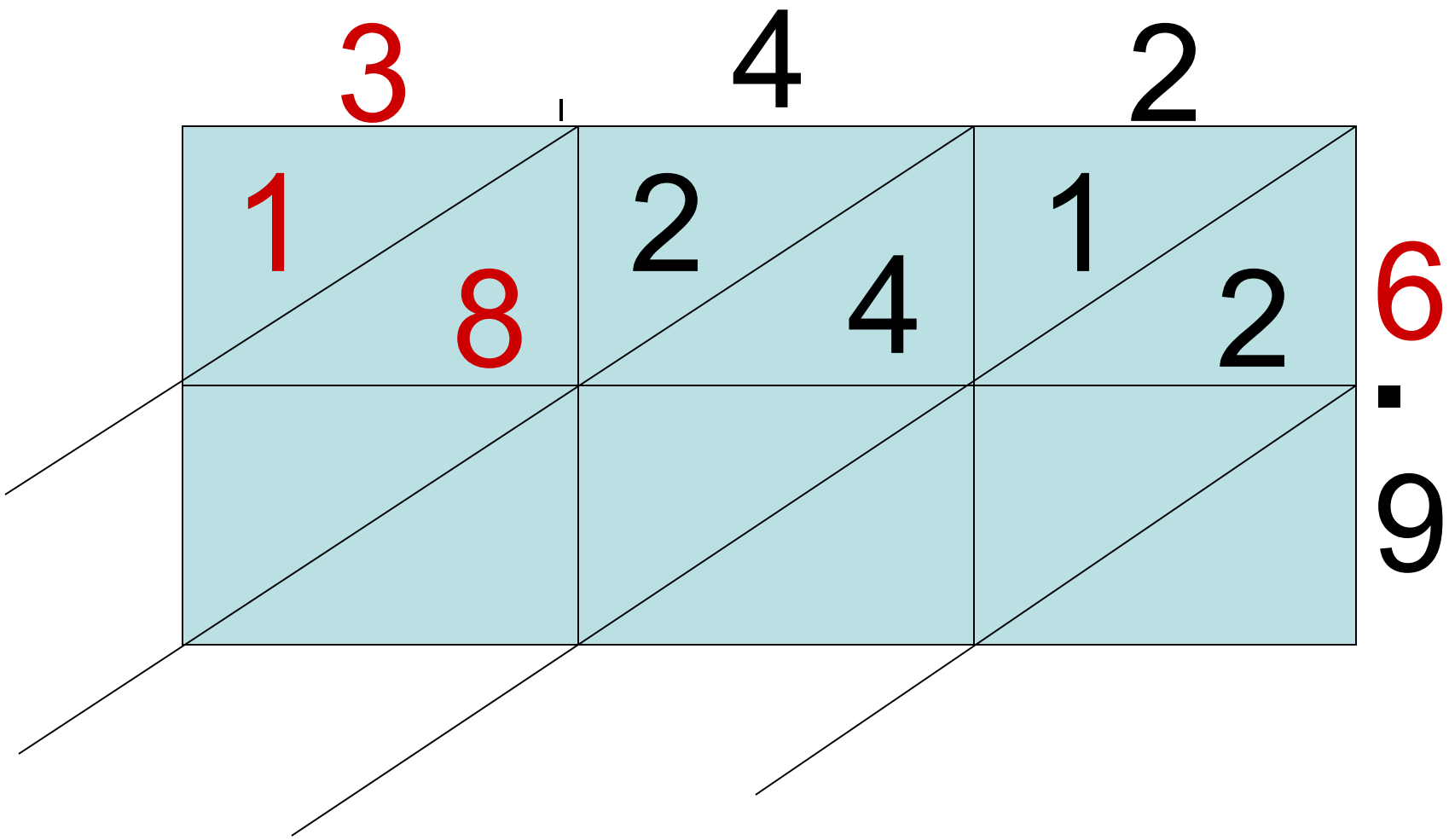
3.42 * 6.9

Multiply 4 * 6 and place the answer in the grid where the lines meet.



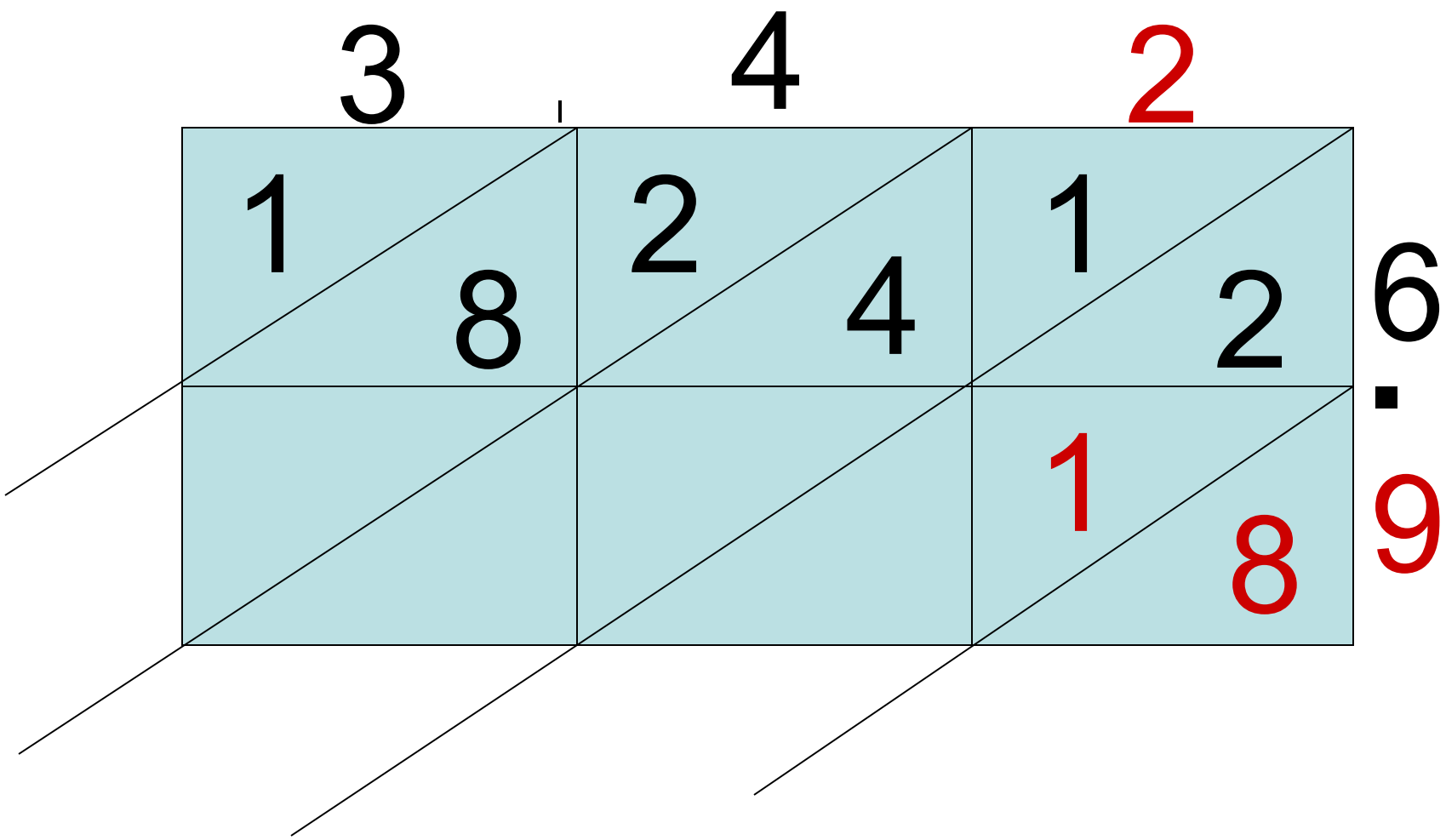
3.42 * 6.9

Multiply 3 * 6 and place the answer in the grid where the lines meet. Use a zero as a place holder.



3.42 * 6.9

Multiply 2 * 9 and place the answer in the grid where the lines meet.



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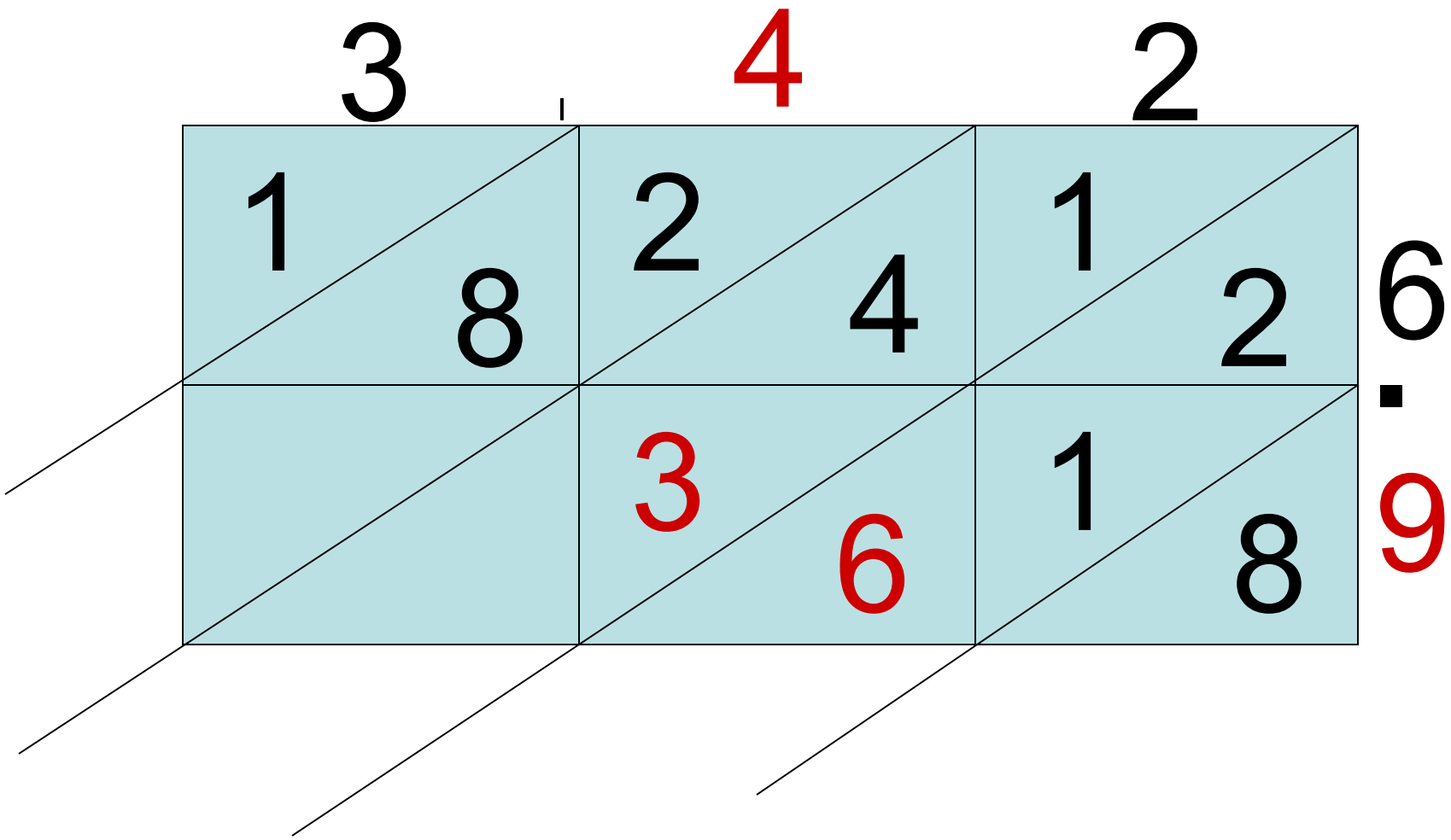
Multiply 4 * 9 and place the answer in the grid where the lines meet.



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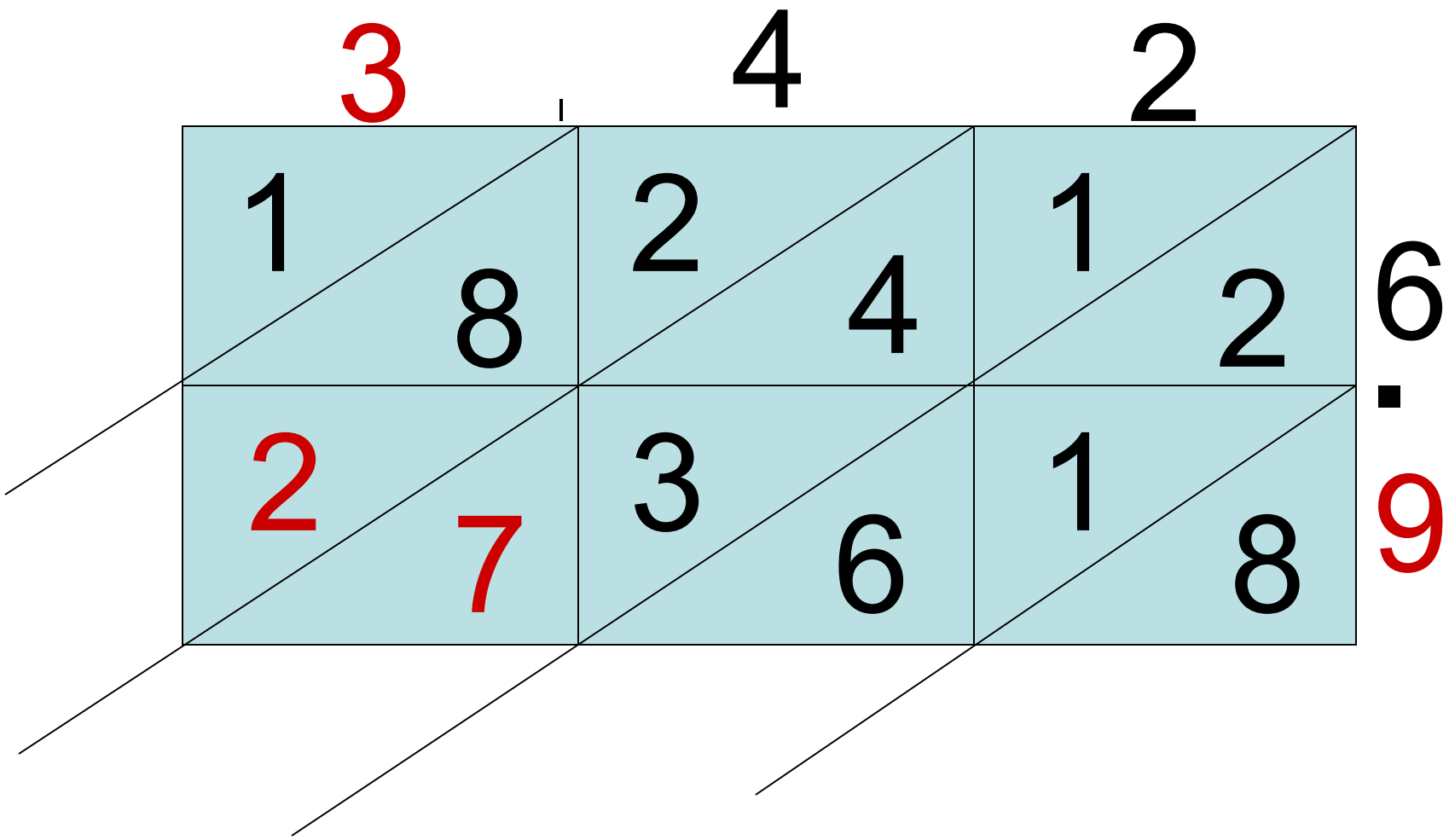
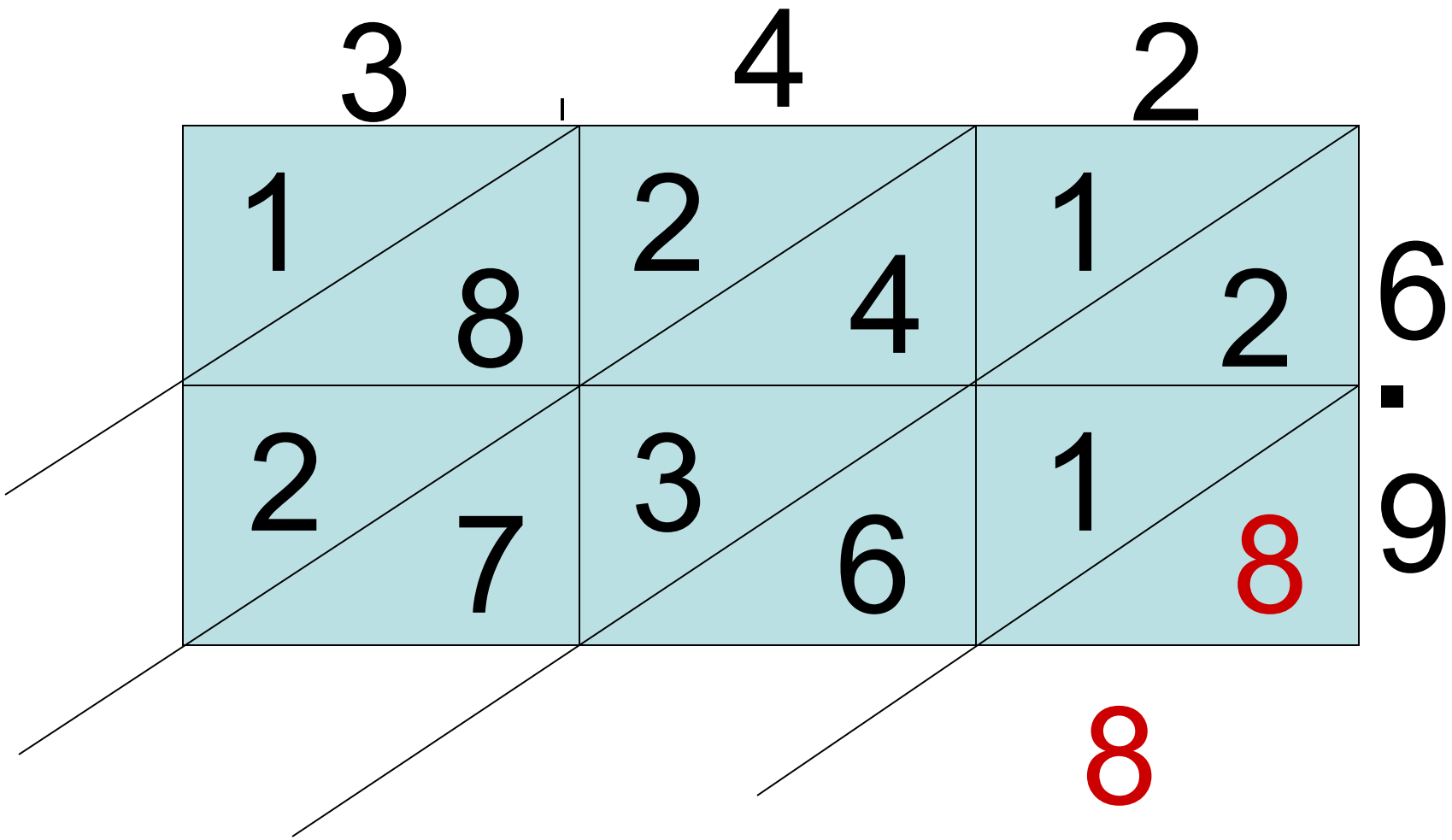


3.42 * 6.9

Now add the diagonals and place the answer below the grid. Be sure to carry to the next diagonal if you have a 2 digit answer.



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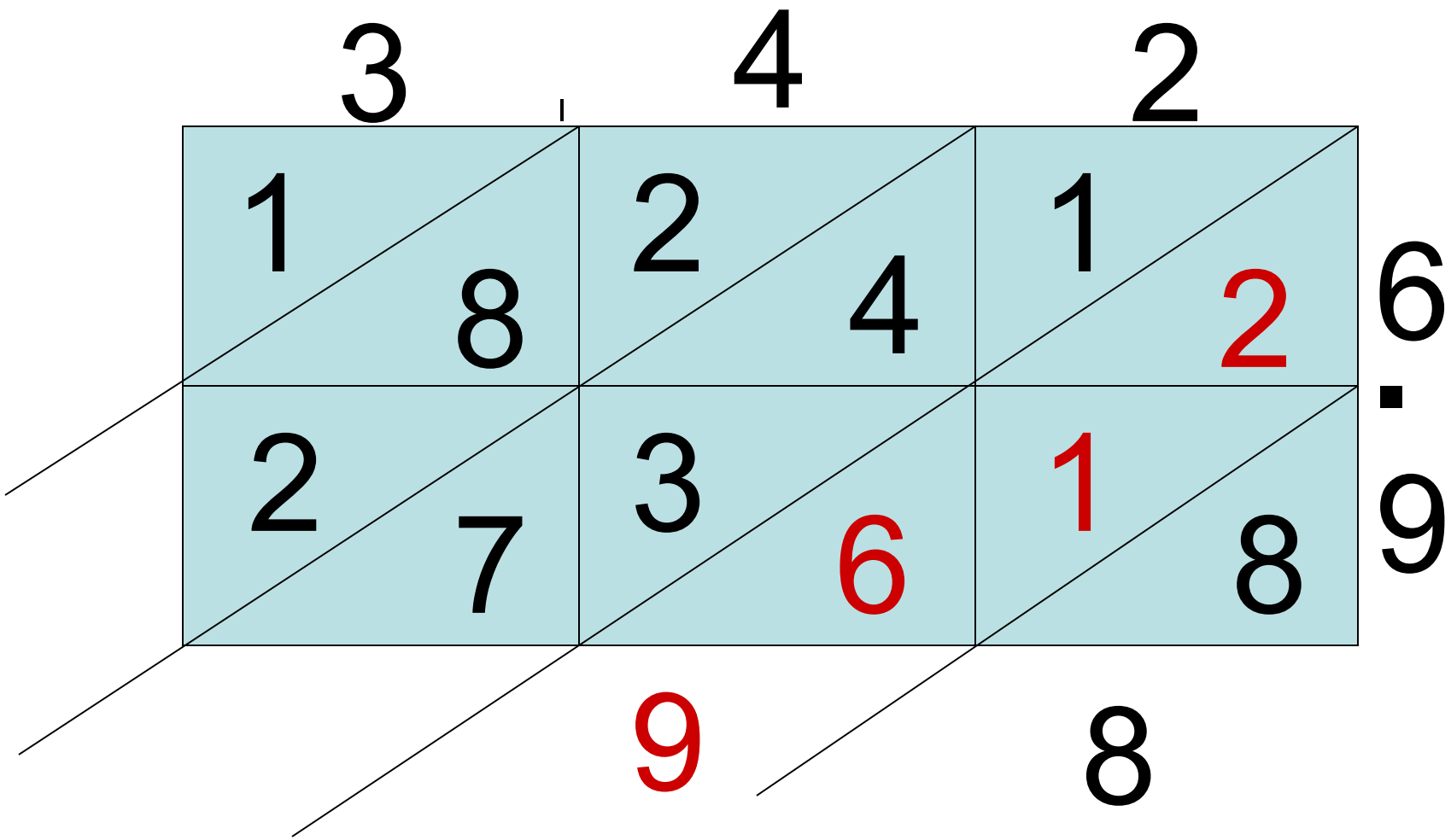

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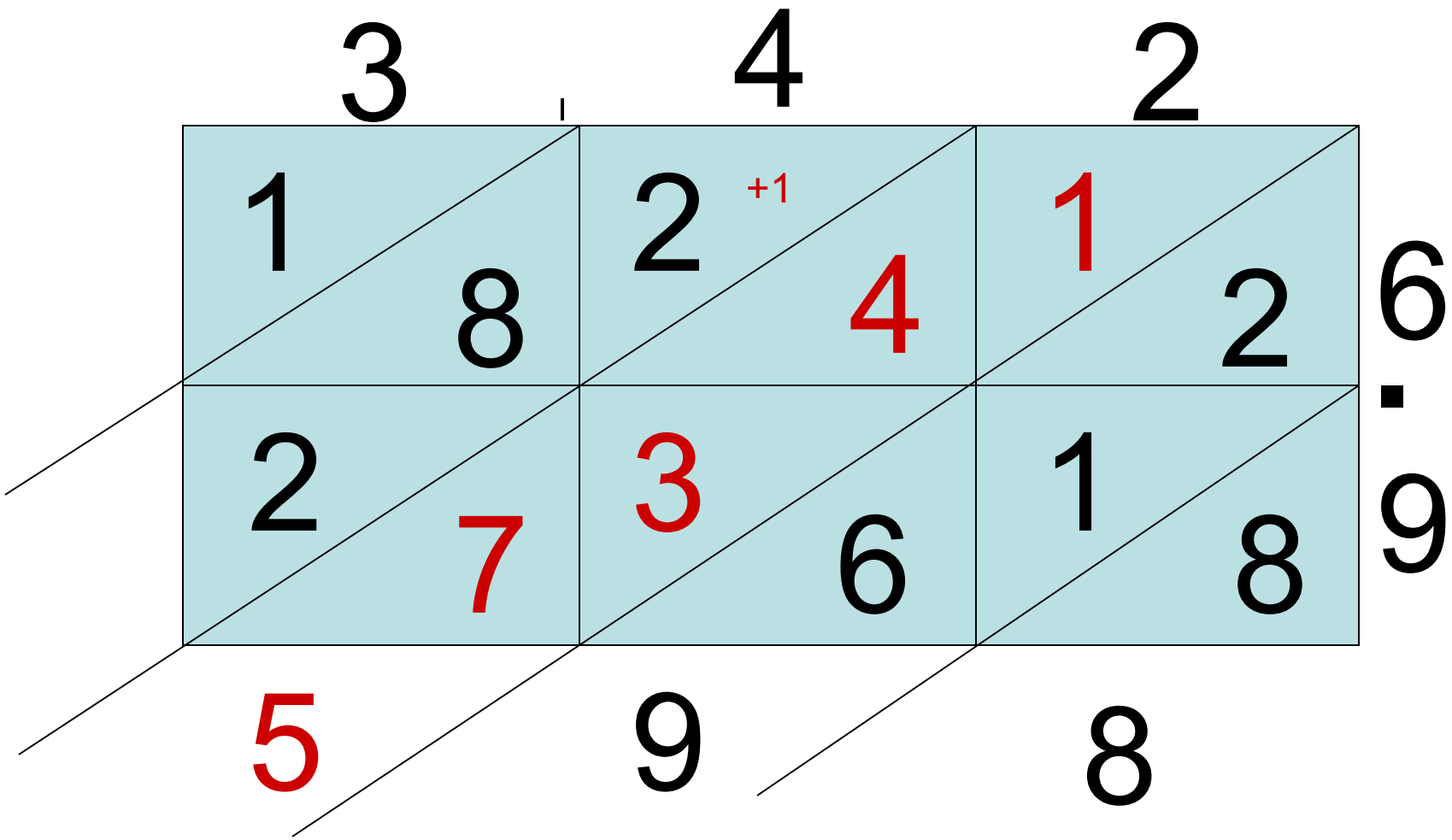

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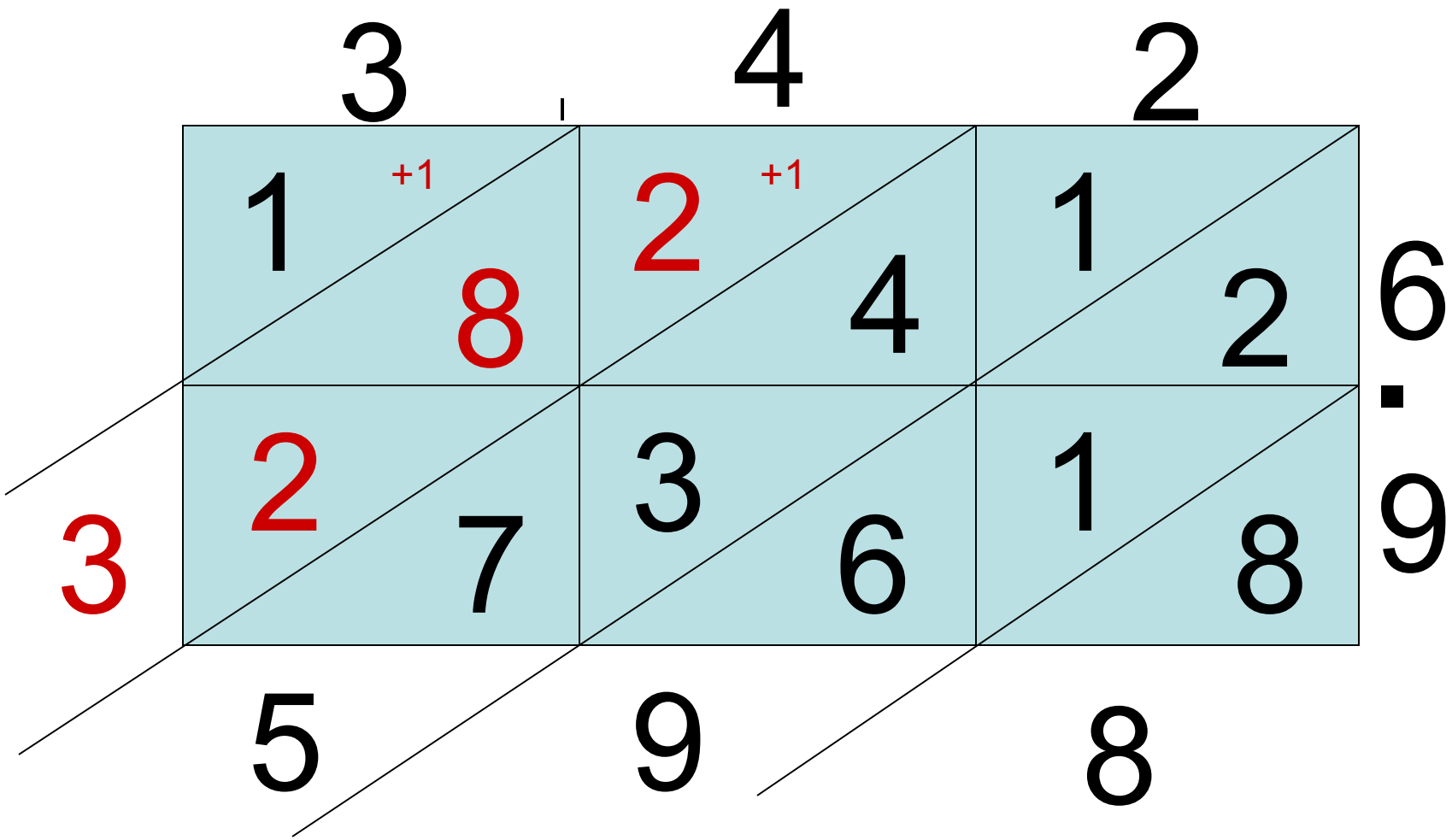

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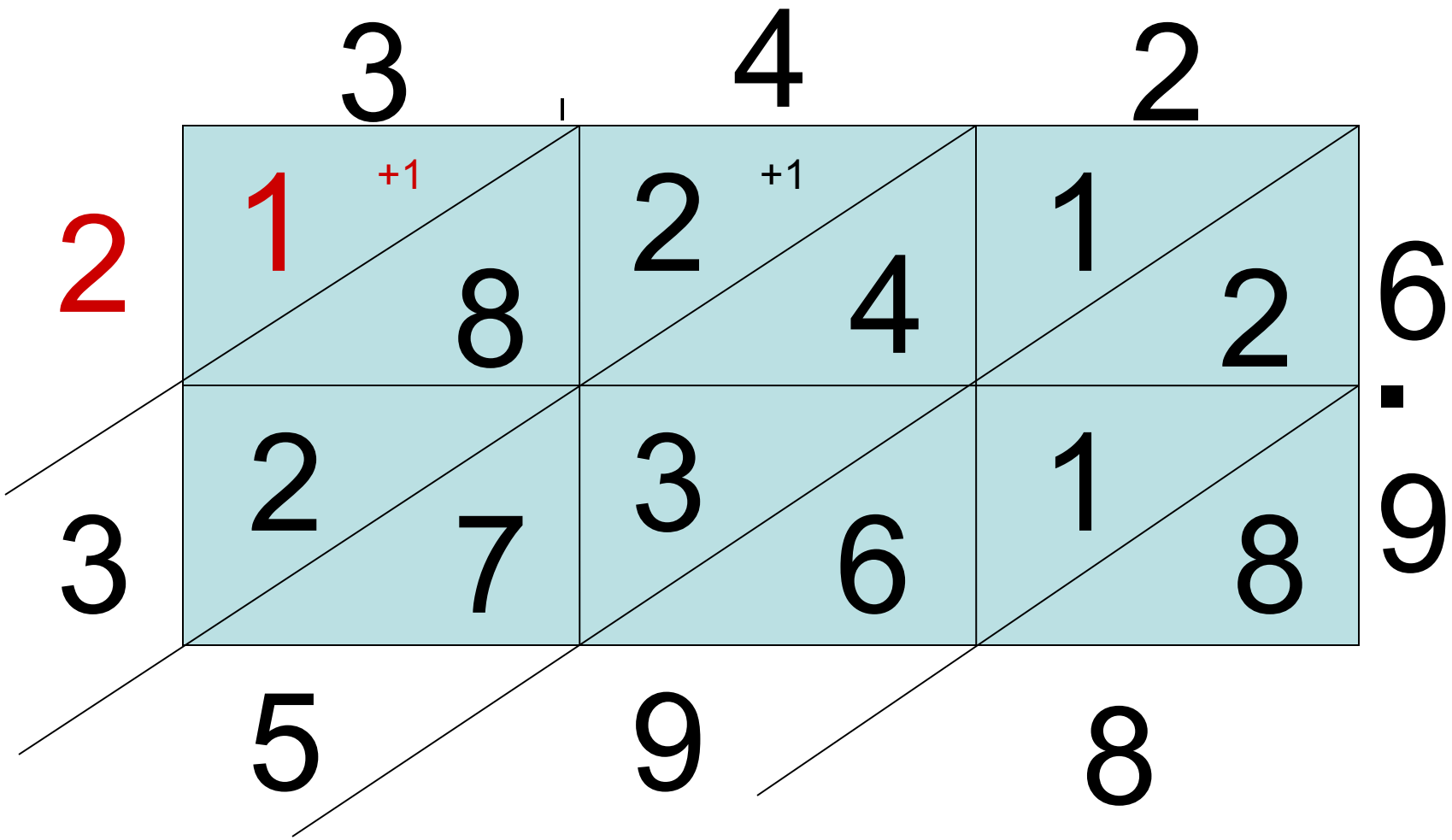

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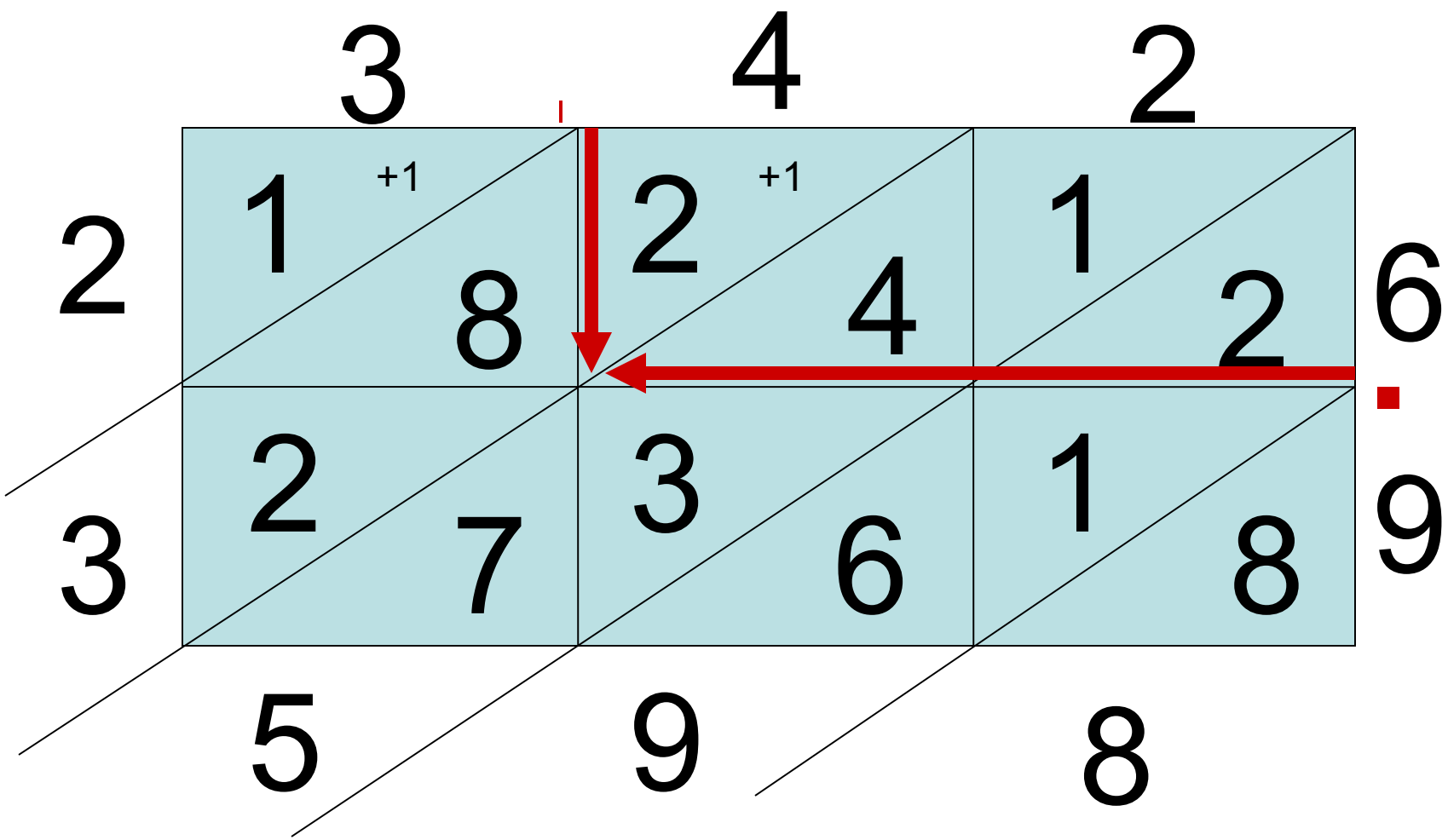
Now you need to place the decimal. Follow the lines until they meet.



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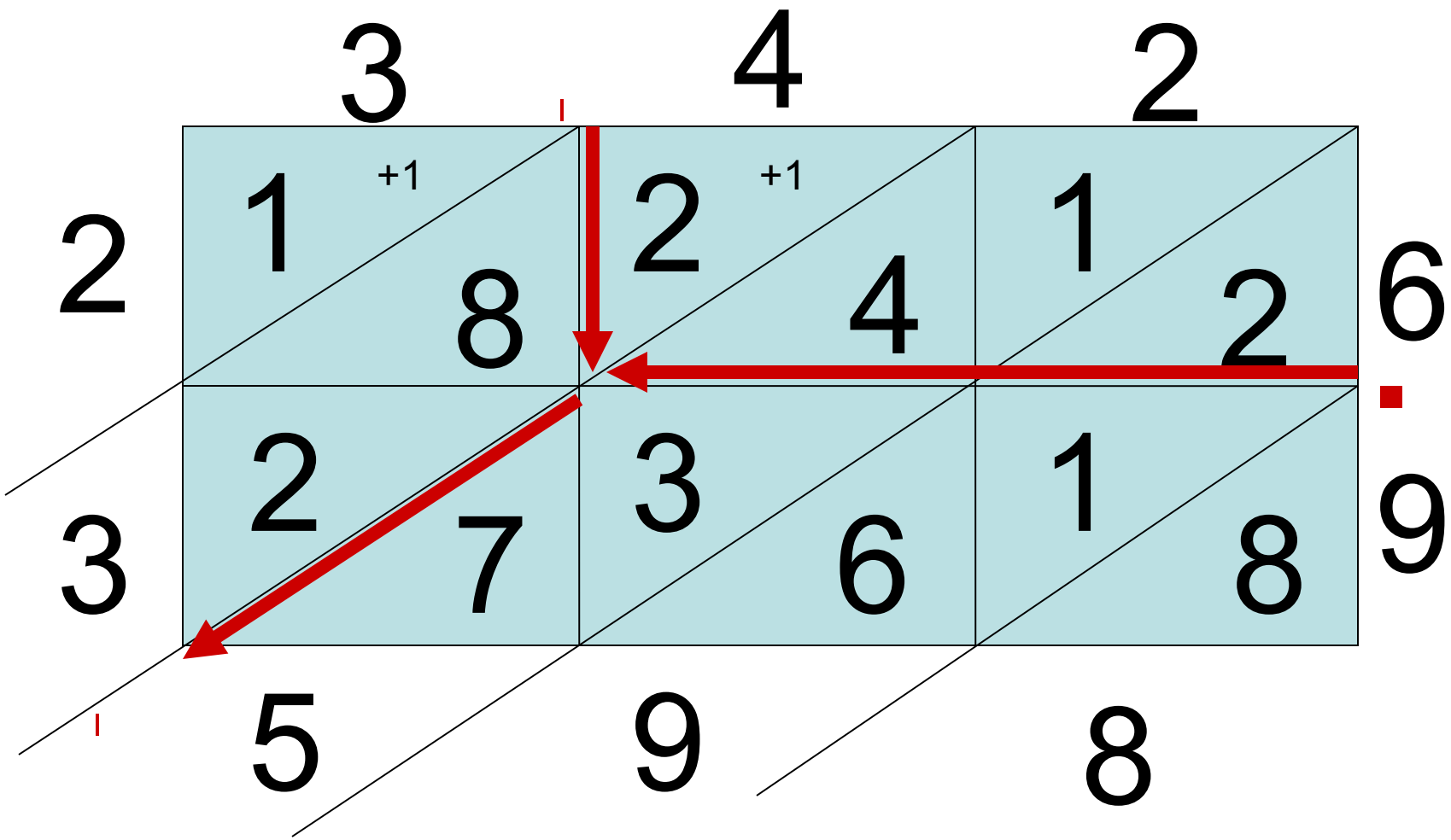
Now drop on the diagonal to place the decimal.



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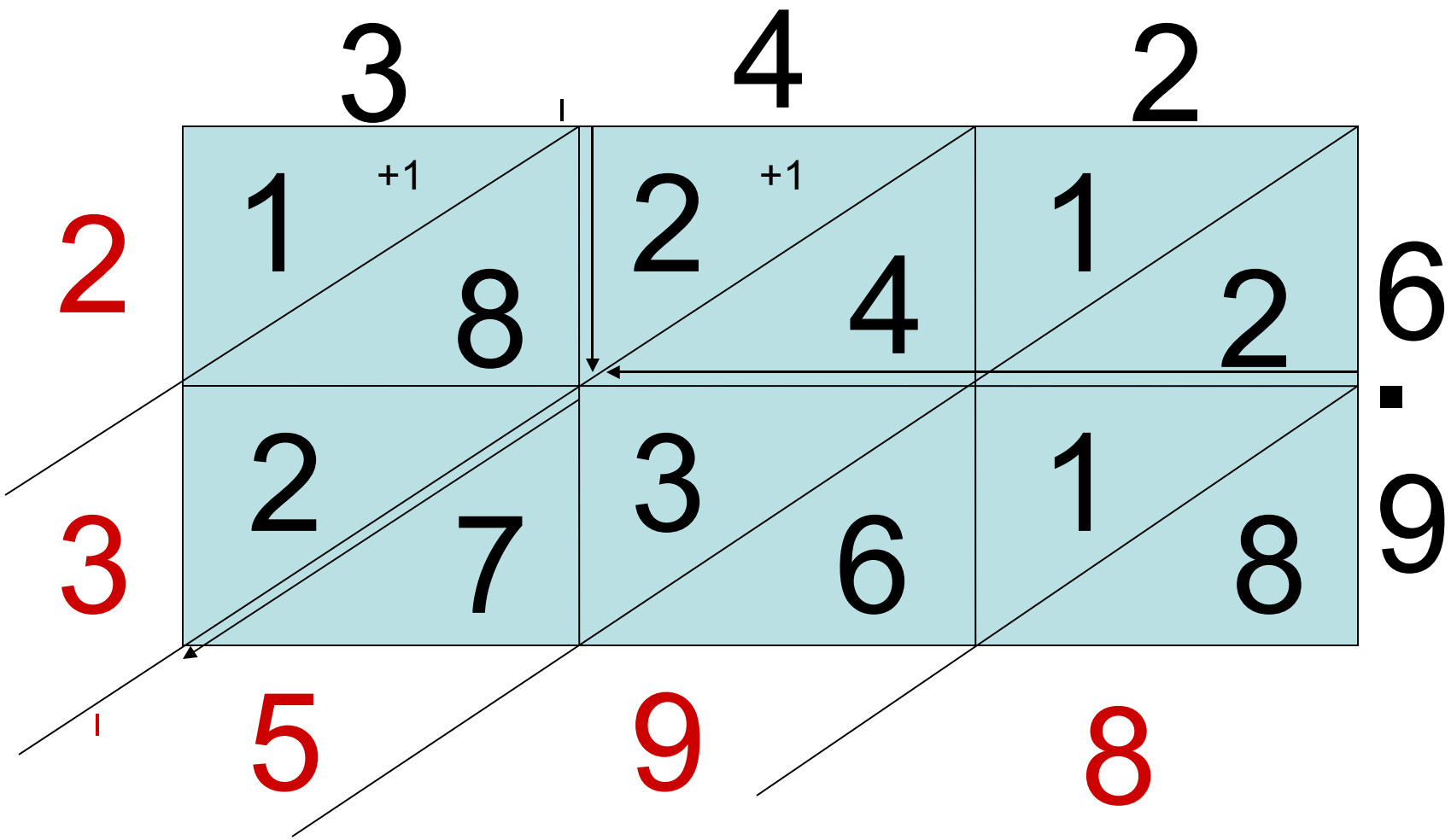
Your answer is 23.598!!



That is Soooo Cool!!!

Thanks!

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23.598