

You have to pay £87 per week  
for your rent.

You have to pay the rent for 51  
weeks of the year.

How much will you pay over  
the year?

- To work this out we need to:
  - Multiply 87 by 51

We can do this using

‘the lattice method’

8

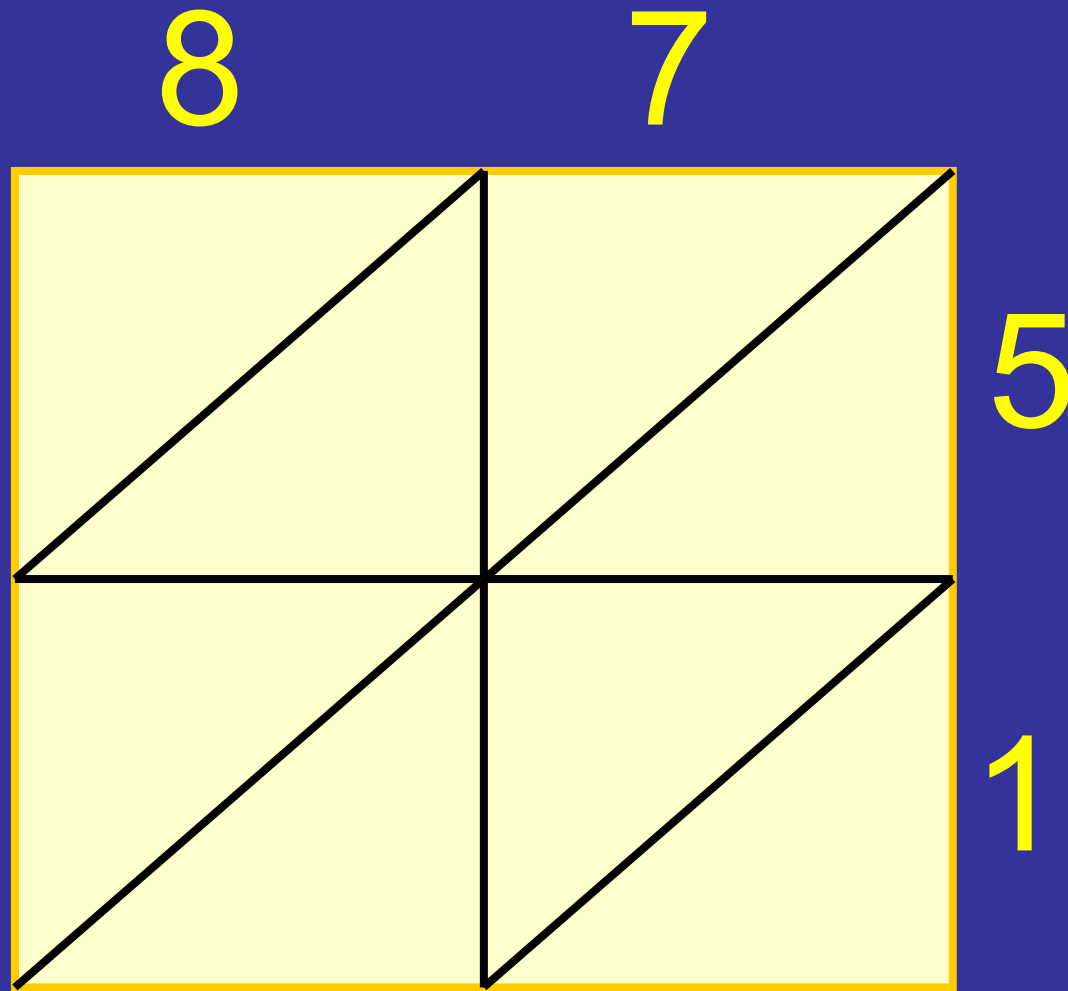
7



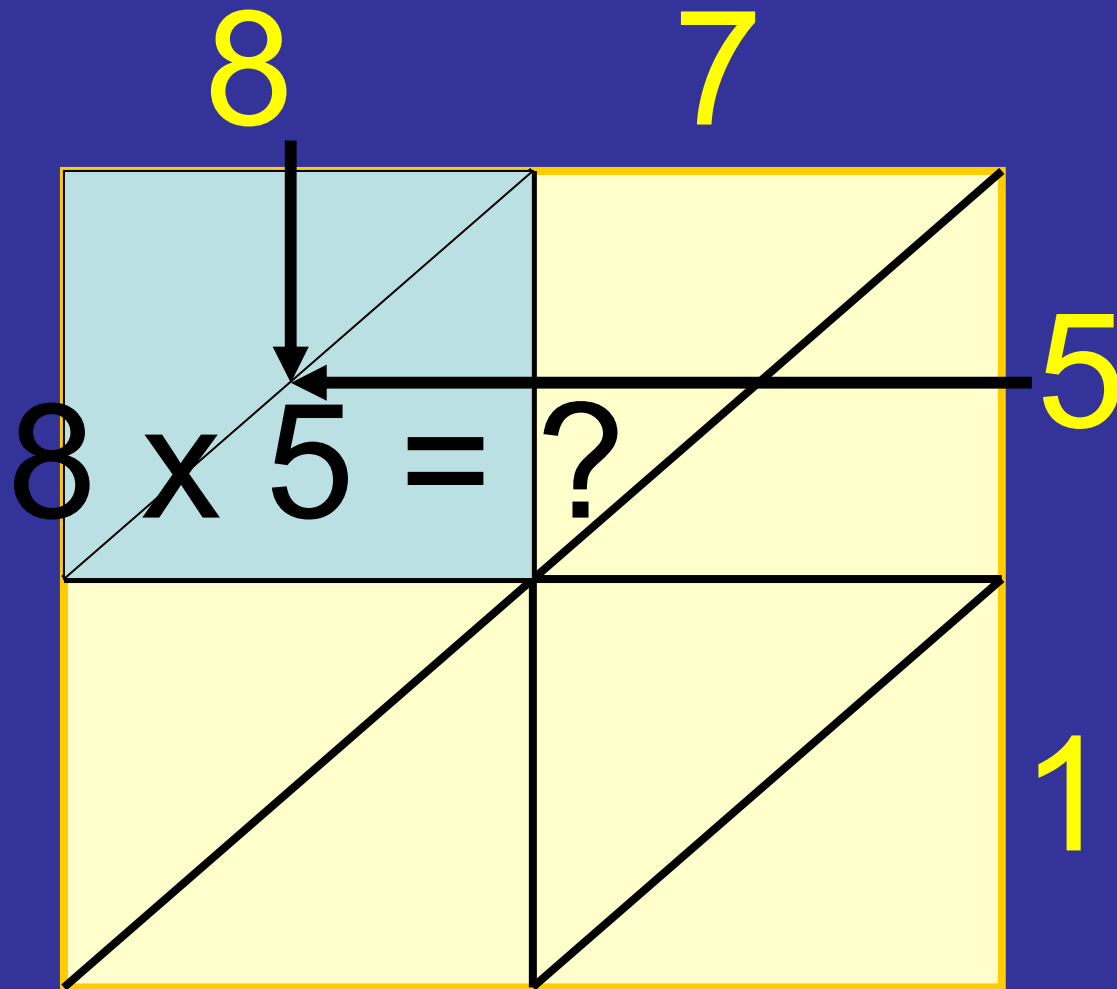
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1

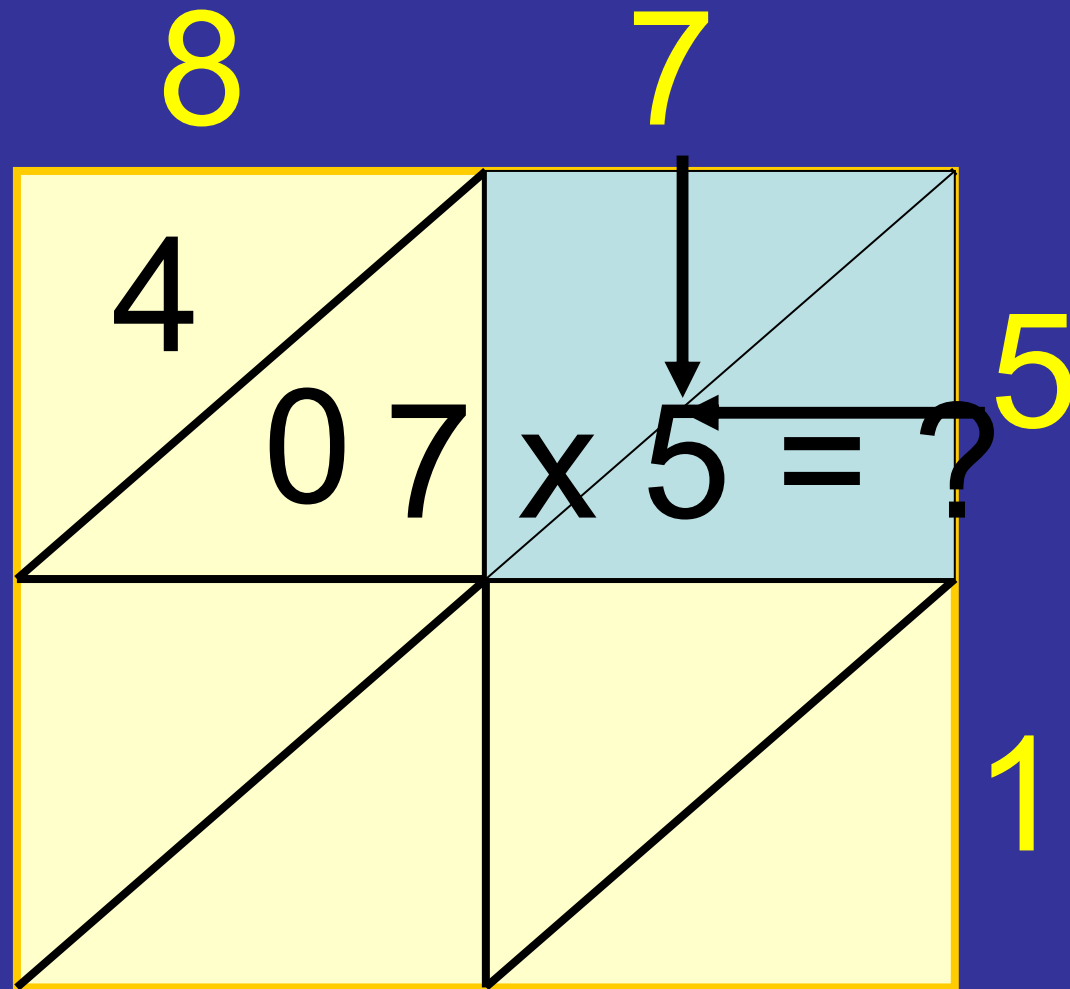
Write one structure down on the side



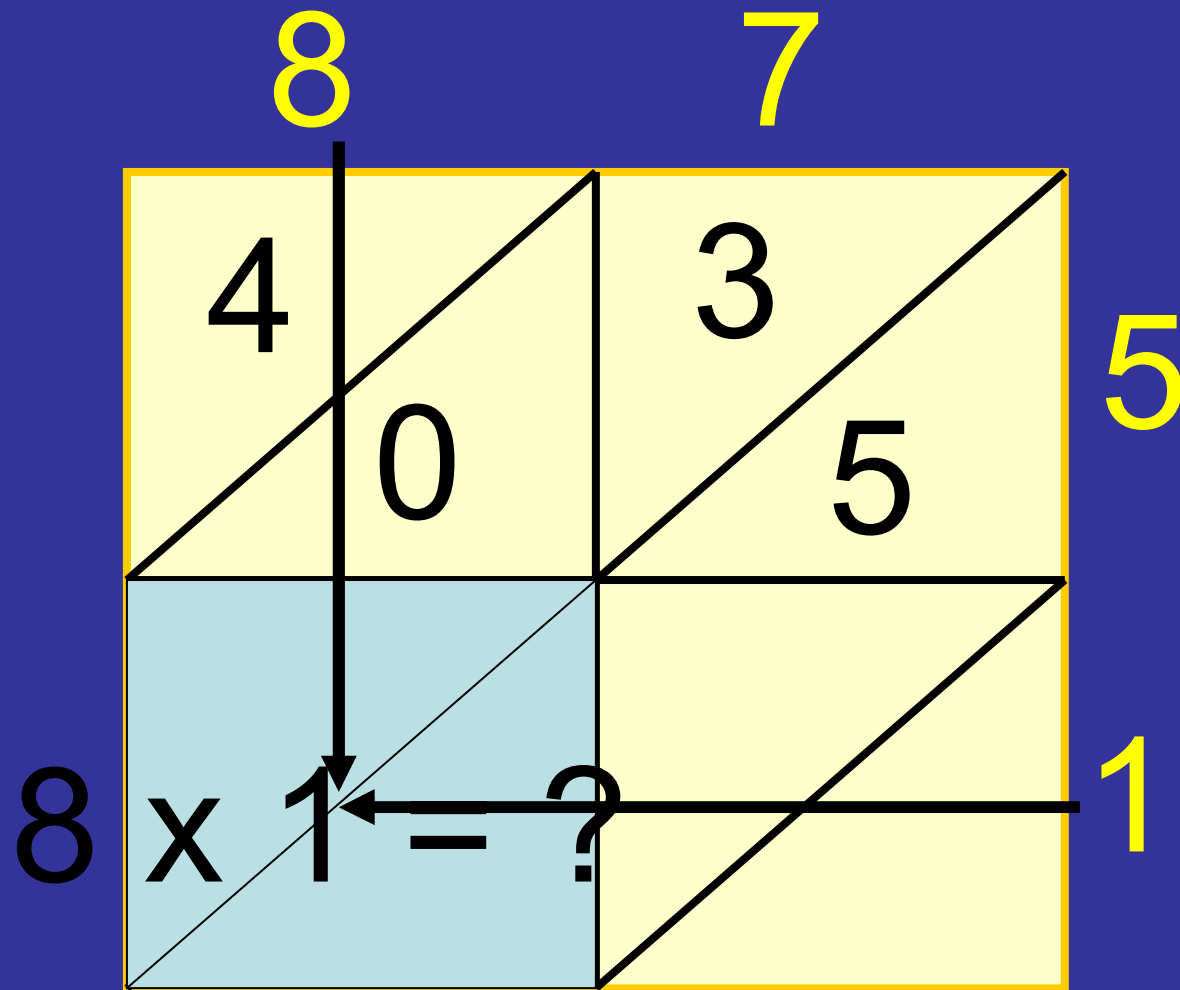
Split the box into 1 row and 1 column for each number  
Draw a diagonal line in each of the boxes  
1 column for each number



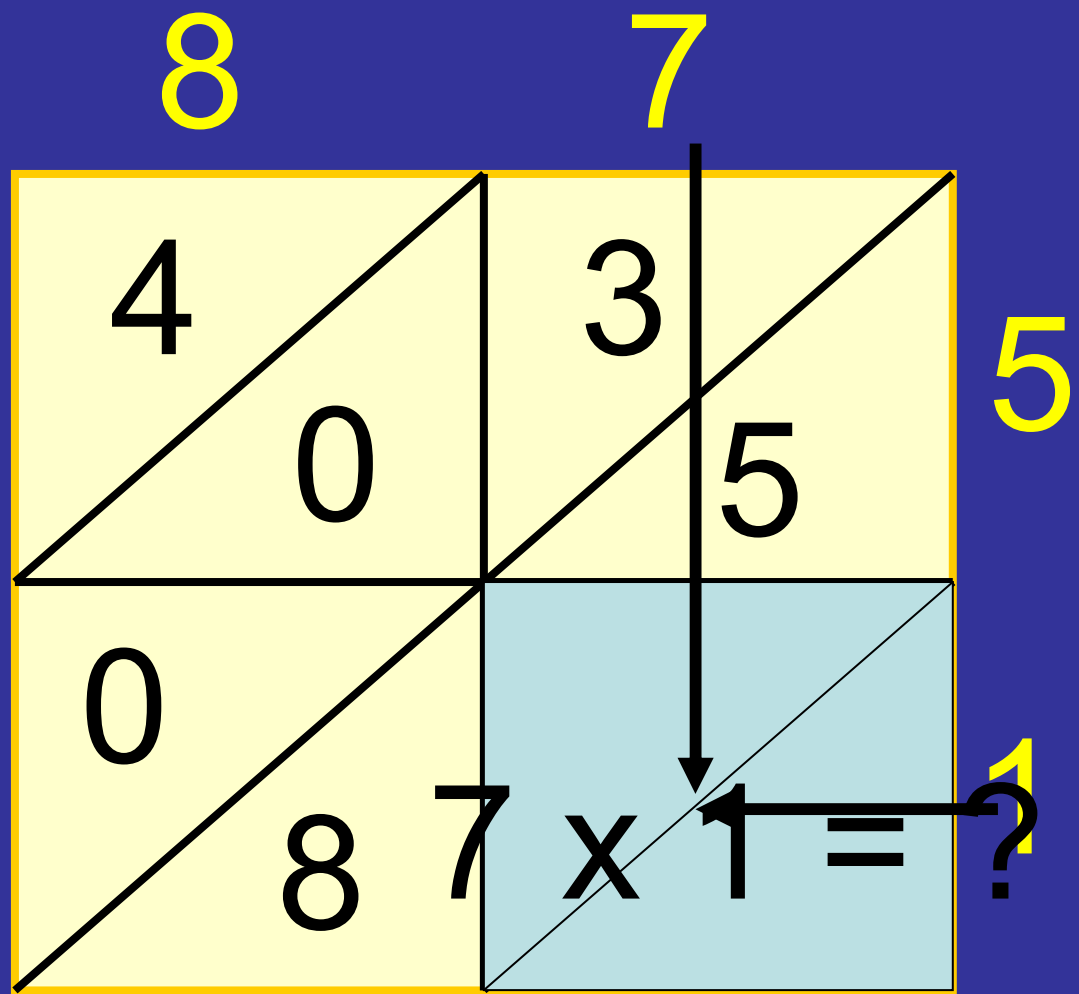
Multiply the two numbers that meet  
In each box



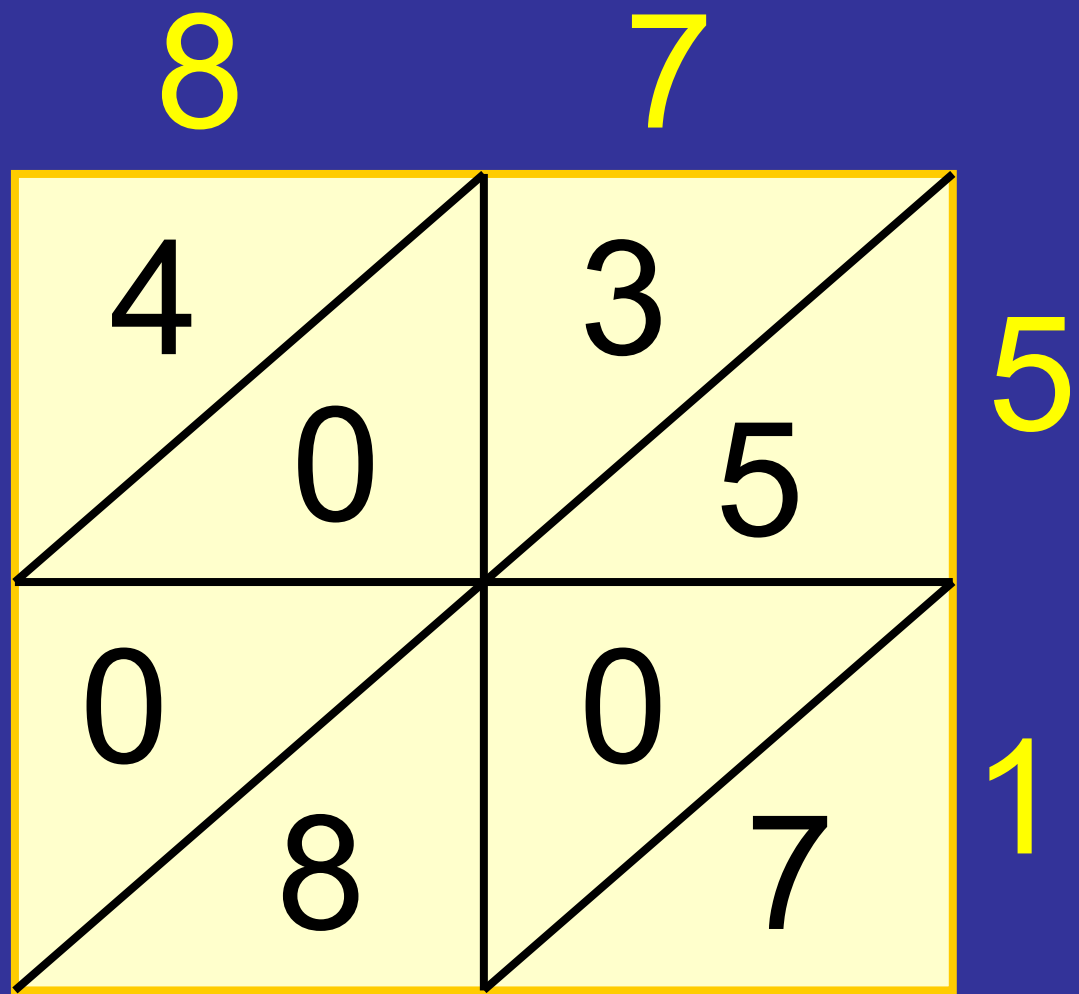
Write the answer in the box  
 Put the tens in top half  
 the units in the bottom



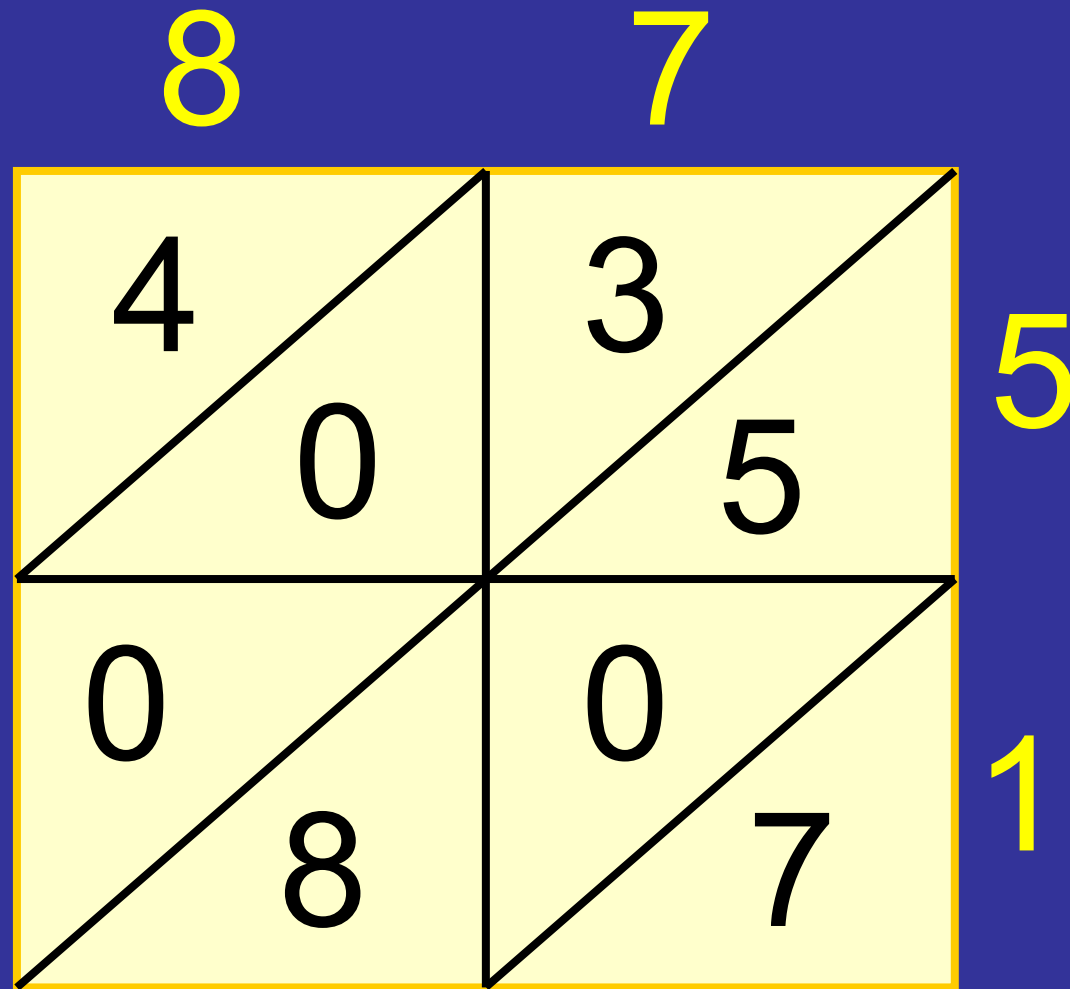
Write the answer in the box  
 Put the tens in top half  
 the units in the bottom



Write the answer in the box  
 Put the tens in top half  
 the units in the bottom



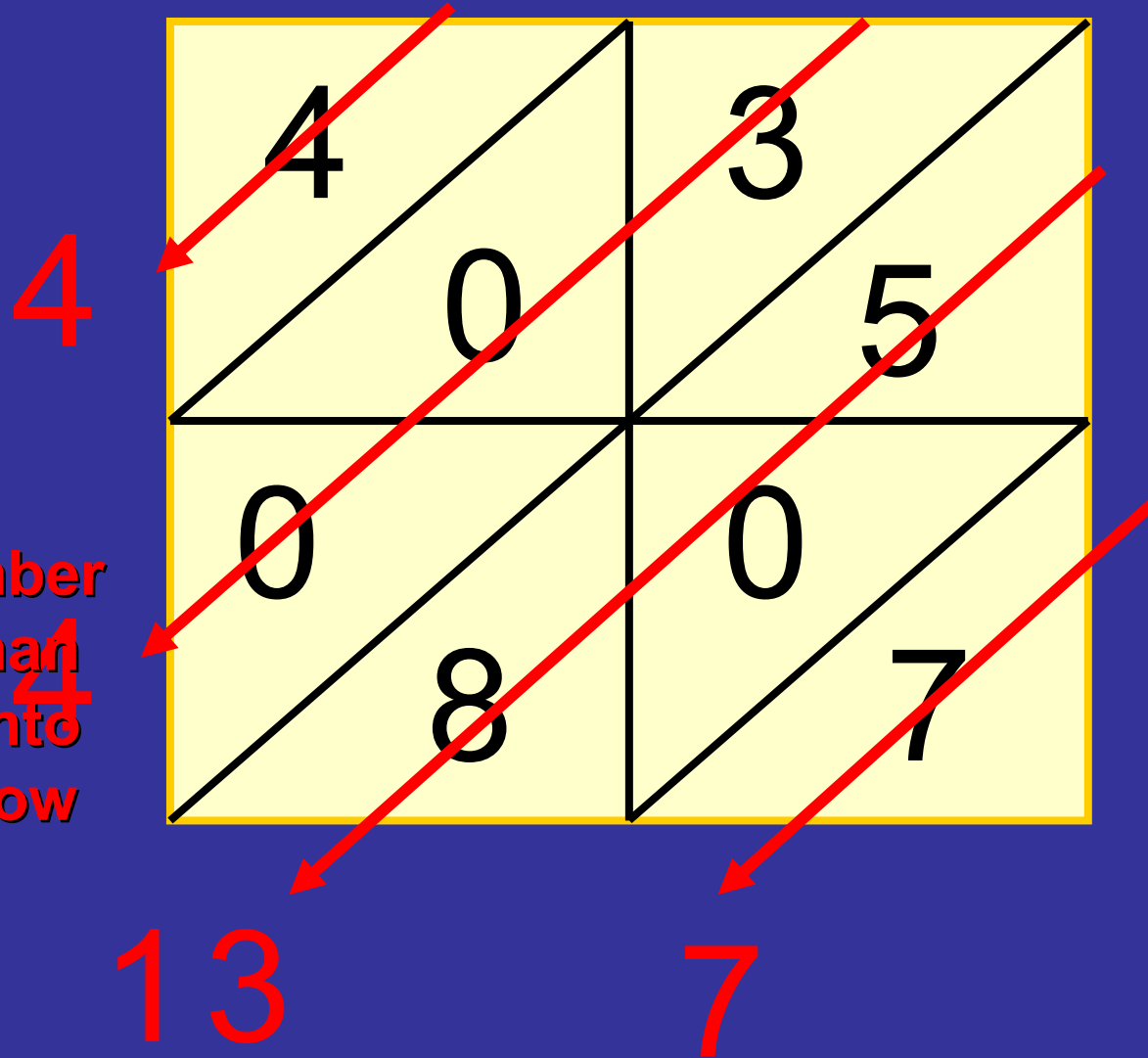
Write the answer in the box  
 Put the tens in top half  
 the units in the bottom



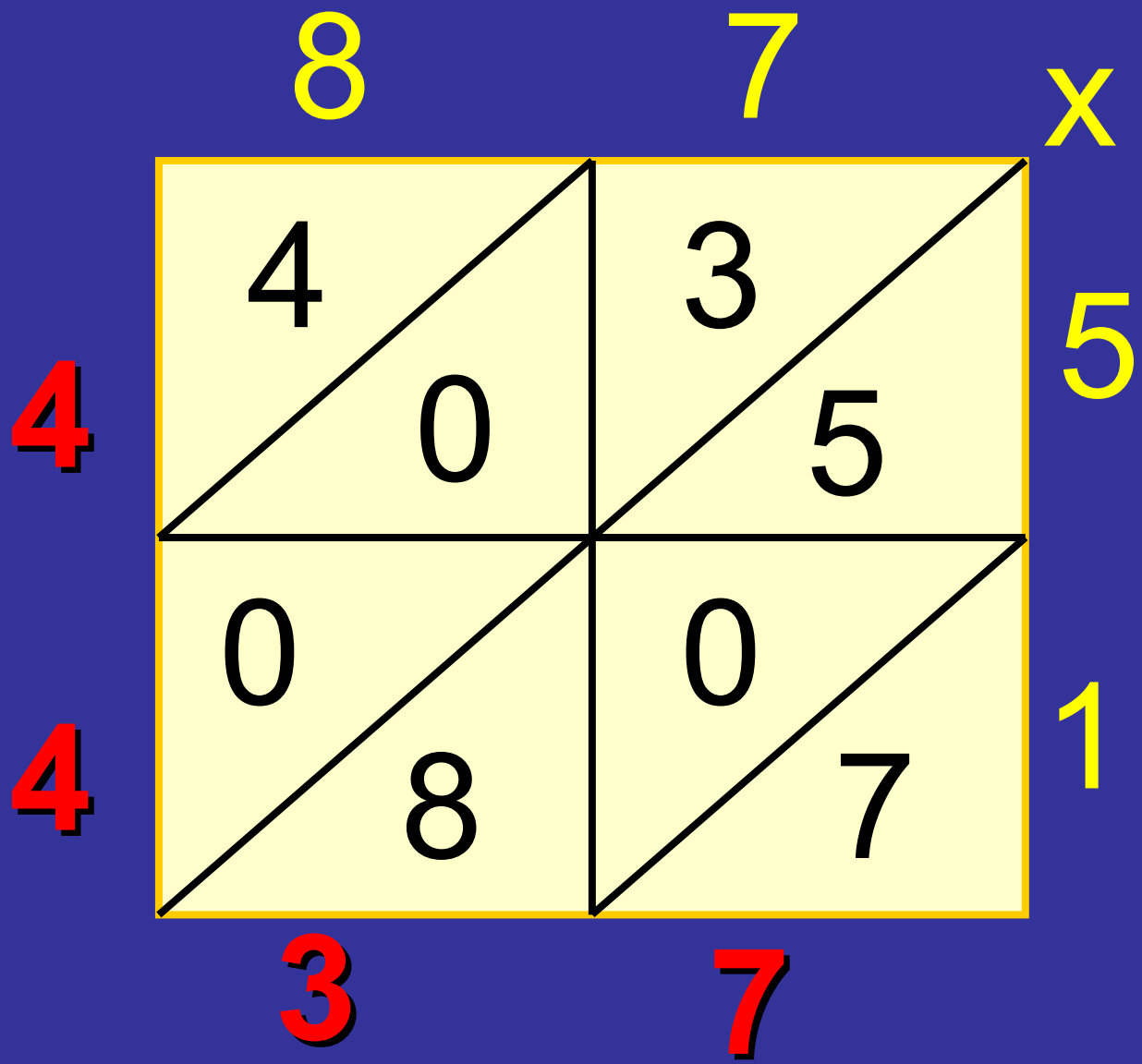
We can ignore the numbers outside for now

Add the numbers in the diagonal columns

Remember to start at the right hand side



If the number is more than 10 carry into the next row



$$87 \times 51 = 4437$$

You have to pay £87 per week  
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**£4,437**

