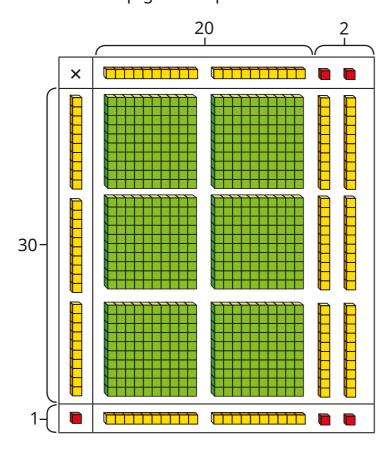
## Multiply a 2-digit number by a 2-digit number (area model)



1 Kim is using base 10 to work out  $31 \times 22$ 

Use Kim's model to help you complete the sentences.



There are ones altogether.

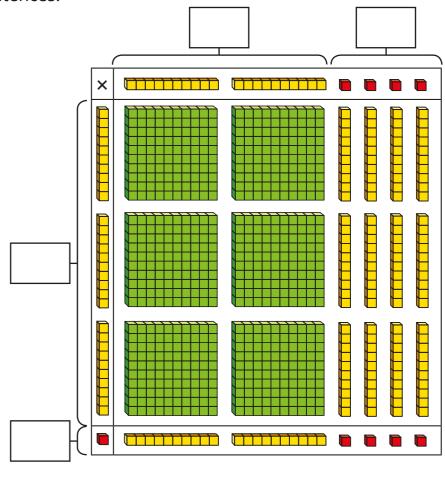
There are tens altogether.

There are hundreds altogether.

2 Use base 10 to work out the multiplications.



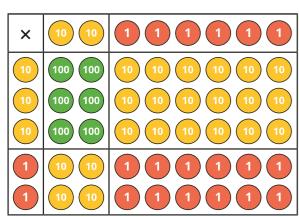
Add the missing information to the area model and complete the sentences.



Use base 10 to work out the multiplications.



Use the place value counters to complete the multiplication grid and sentence.



×	20	6
30		
2		

6 Use an area model to help you complete each multiplication.

α) 28 × 14 =

<b>c)</b> 35 × 22 =	
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×	20	8
10		
4		

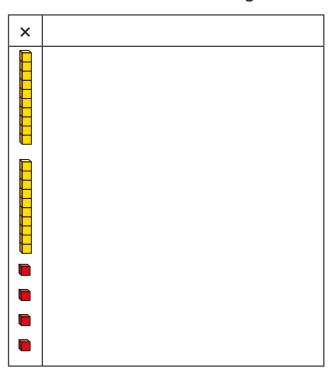
**b)** 27 × 16 =

d) 45 × 36 =	
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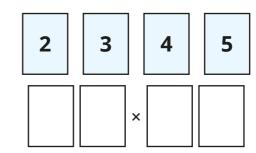
×	



Complete the area model to find the missing number.



8 Use each digit card once to write a 2-digit by 2-digit multiplication.



List all the different answers that you can find.

How many products are there between 1,000 and 1,500?



