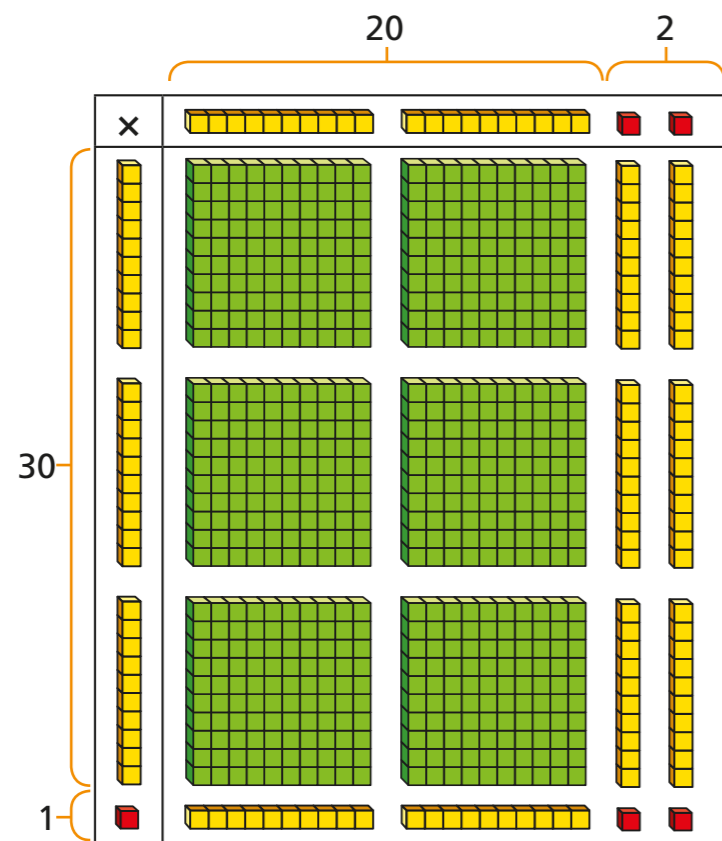


Multiply 2-digits (area model)

- 1 Kim is using base 10 to work out 31×22
Use Kim's model to help you complete the sentences.



There are ones altogether.

There are tens altogether.

There are hundreds altogether.

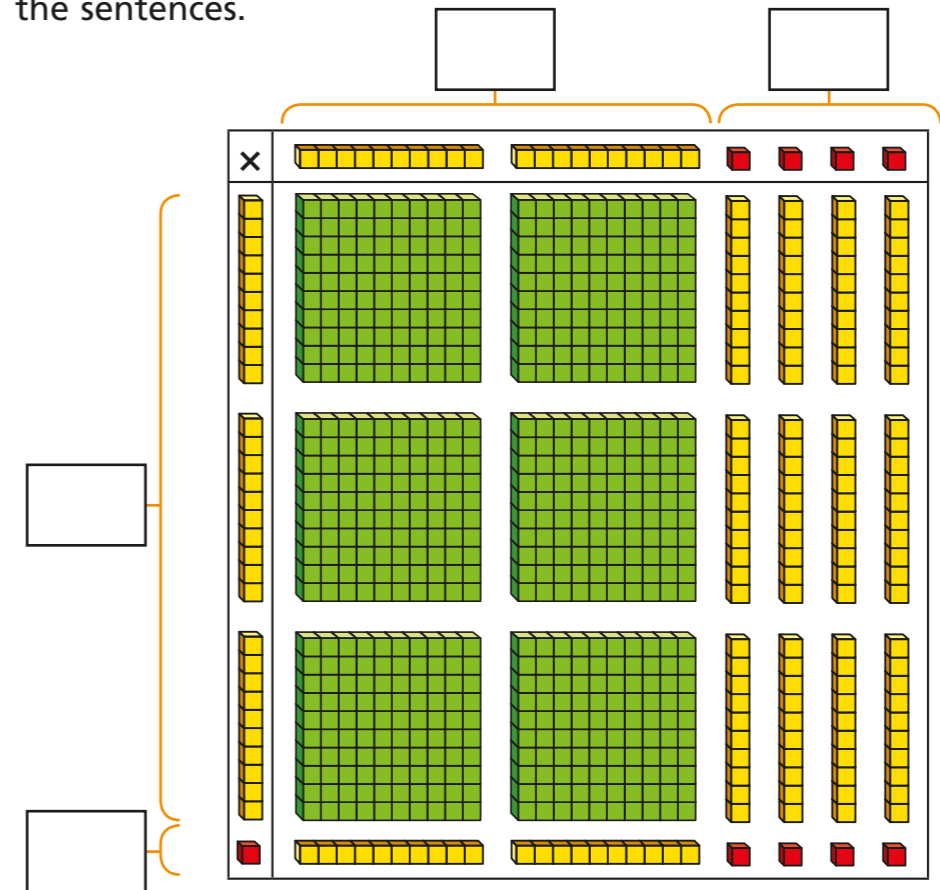
$31 \times 22 =$

- 2 Use base 10 to work out the multiplications.

a) $12 \times 14 =$

b) $23 \times 13 =$

- 3 Amir is using base 10 to calculate 31×24
a) Add the missing information to the area model and complete the sentences.



There are ones altogether.

There are tens altogether.

There are hundreds altogether.

- b) Describe any exchanges you need to make.

- c) Complete the multiplication.

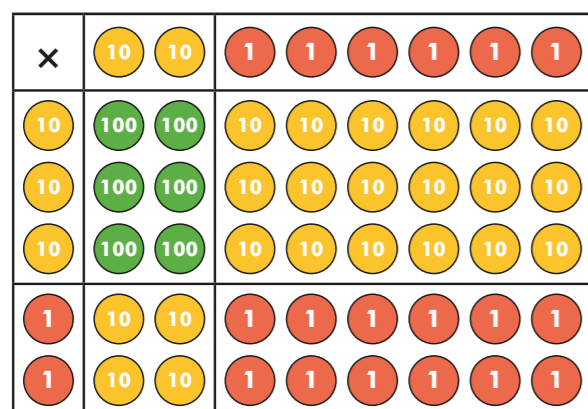
$31 \times 24 =$

- 4 Use base 10 to work out these multiplications.

a) $25 \times 15 =$

b) $36 \times 12 =$

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



x	20	6
30		
2		

$26 \times 32 =$

- 6 Use an area model to help you complete the multiplication.

a) $28 \times 14 =$

x	20	8
10		
4		

c) $35 \times 22 =$

b) $27 \times 16 =$

x		

d) $45 \times 36 =$

- 7 Complete the multiplications.

$21 \times 24 =$

$31 \times 25 =$

$18 \times 26 =$

8 $24 \times$ $= 768$

Complete the area model to find the missing number.

x	
30	
2	

- 9 Use each digit card once to write a multiplication.



\times $=$

How many different answers can you find?

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