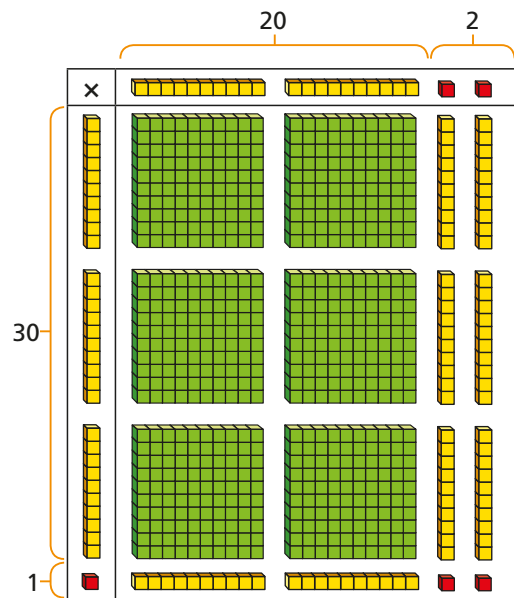


1 Kim is using base 10 to work out  $31 \times 22$

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



There are  ones altogether.

There are  tens altogether.

There are  hundreds altogether.

$31 \times 22 =$

2 Use base 10 to work out the multiplications.

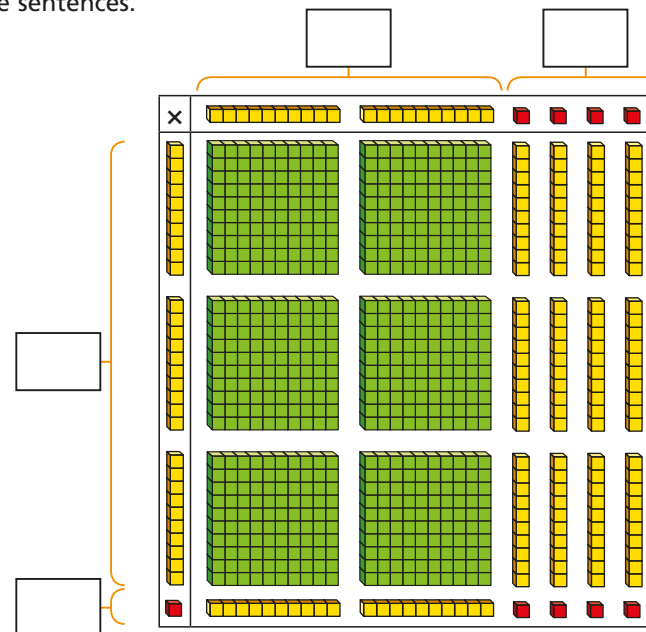
a)  $12 \times 14$

b)  $23 \times 13$



3 Amir is using base 10 to calculate  $31 \times 24$

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) Work out the multiplication.

$31 \times 24$



4 Use base 10 to work out these multiplications.

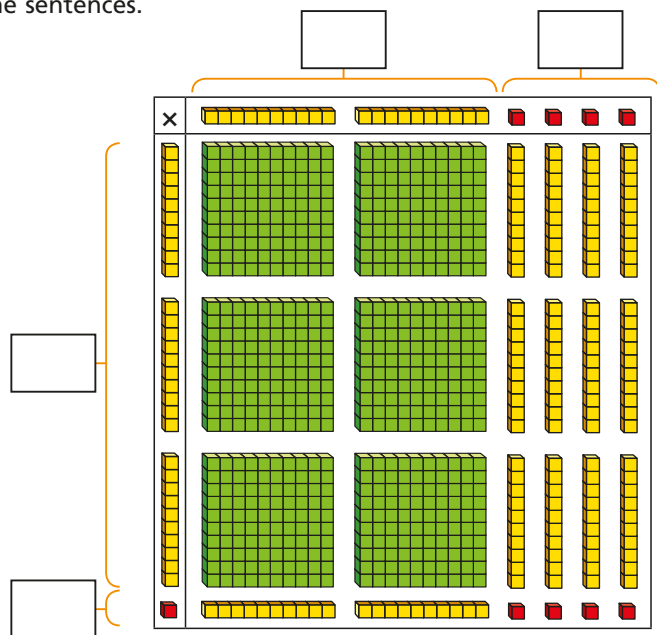
a)  $25 \times 15$

b)  $36 \times 12$



3 Amir is using base 10 to calculate  $31 \times 24$

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) Work out the multiplication.

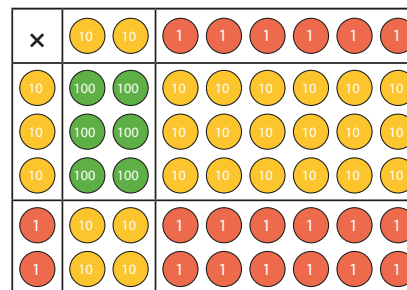
$$31 \times 24$$

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		

$$26 \times 32 = \boxed{\phantom{000}}$$

6 Use an area model to help you work out the multiplication.

a)  $28 \times 14$

b)  $27 \times 16$

c)  $35 \times 22$

d)  $45 \times 36$

7 Work out the multiplications.

$21 \times 24$

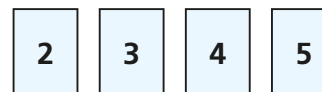
$18 \times 26$

$31 \times 25$

8  $24 \times \boxed{\phantom{00}} = 768$

Use an area model to find the missing number.

9 Use each digit card once to write a multiplication.



$$\boxed{\phantom{00}} \times \boxed{\phantom{00}} = \boxed{\phantom{000}}$$

How many different answers can you find?

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