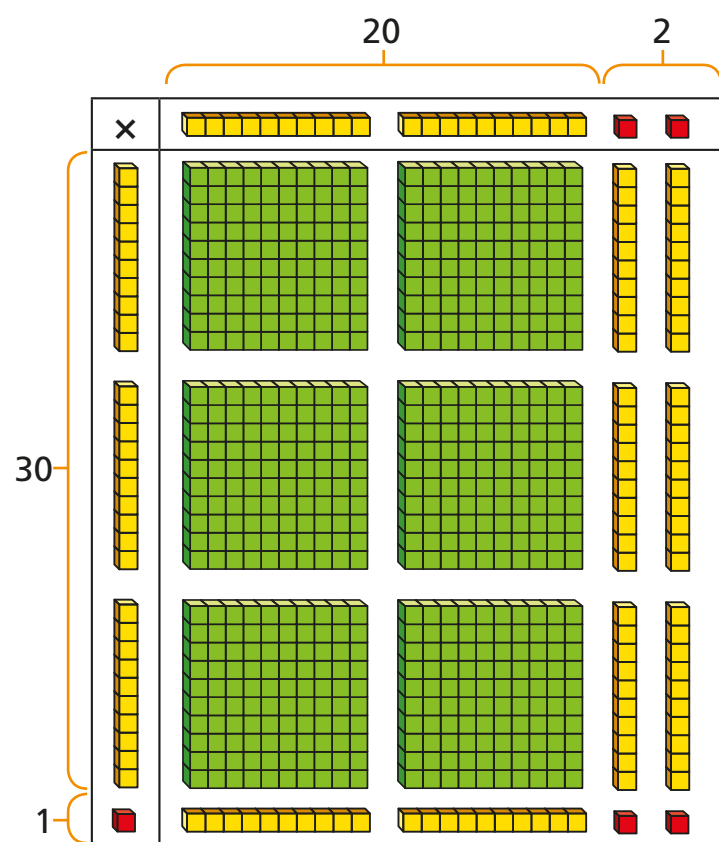


Multiply 2-digits (area model)



- 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.

$31 \times 22 =$

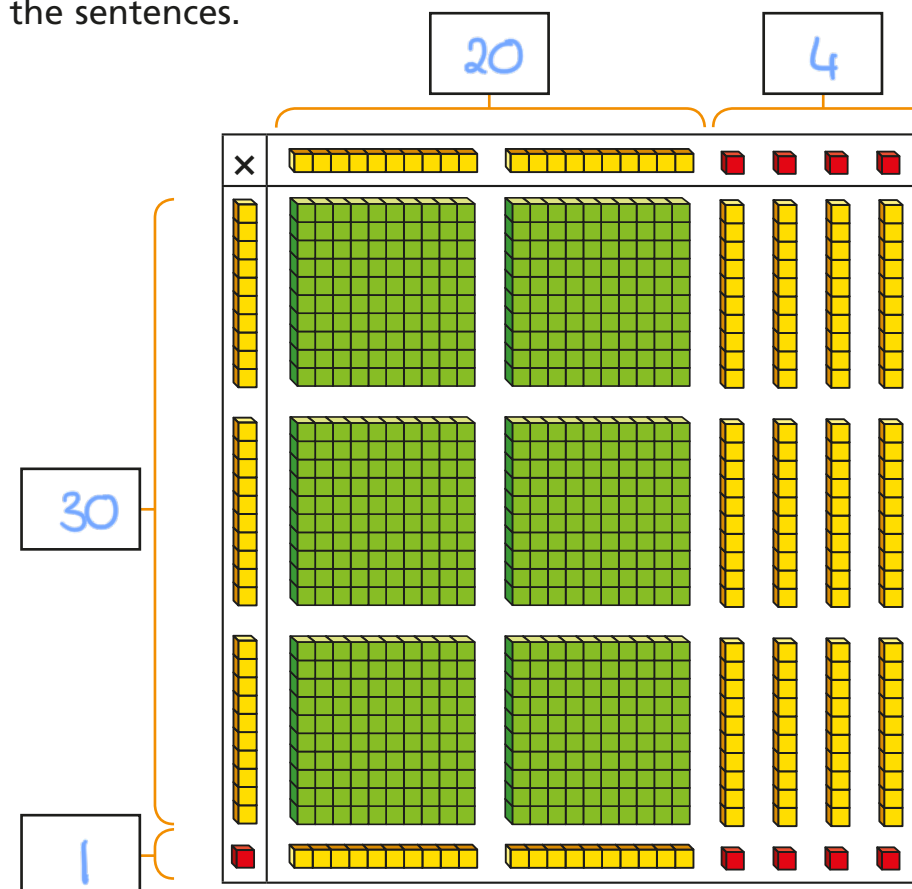
- 2 Use base 10 to work out the multiplications.

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.

Exchange 10 tens for 1 hundred.

- c) Complete the multiplication.

$31 \times 24 =$

- 4 Use base 10 to work out these multiplications.

a) $25 \times 15 =$

b) $36 \times 12 =$