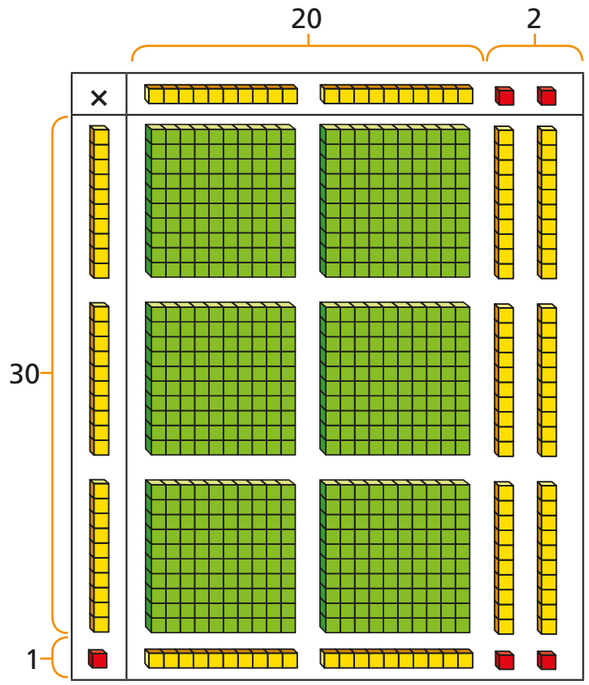
Multiply 2-digits (area model)

1 Kim is using base 10 to work out 31 × 22

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



There are [2] ones altogether.

There are [8] tens altogether.

There are [6] hundreds altogether.

31 × 22 = [682]

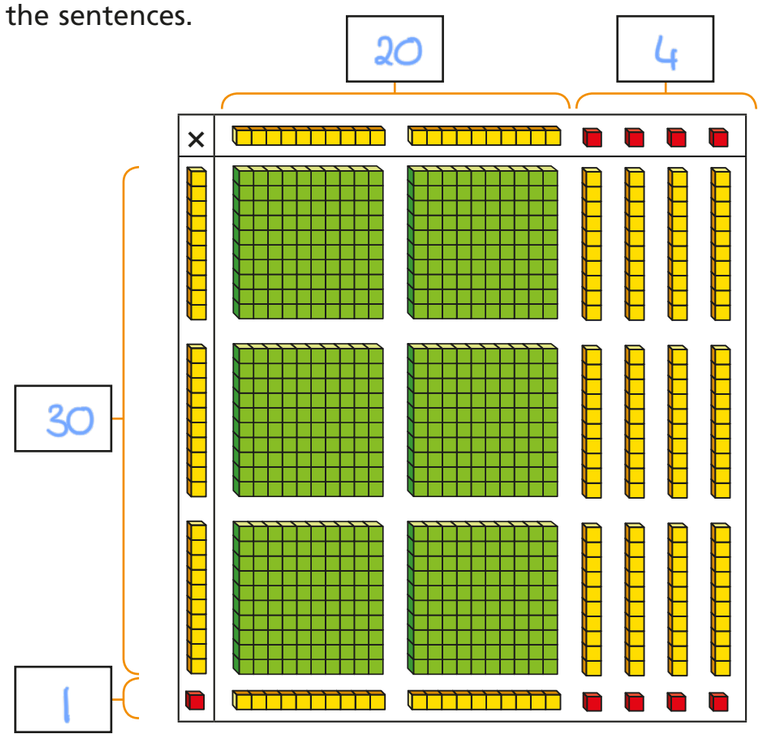
2 Use base 10 to work out the multiplications.

a) 12 × 14 = [168]

b) 23 × 13 = [299]

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 [4] ones altogether.

There are [14] tens altogether.

There are [6] hundreds altogether.

b) Describe any exchanges you need to make.

Exchange 10 tens for 1 hundred.

c) Complete the multiplication.

31 × 24 = [744]

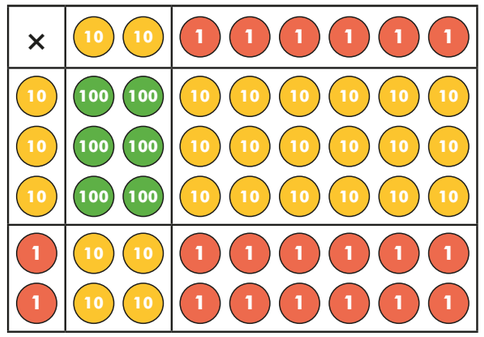
4 Use base 10 to work out these multiplications.

a) 25 × 15 = [375]

b) 36 × 12 = [432]

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



×	20	6
30	600	180
2	40	12

26 × 32 = 832

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

a) 28 × 14 = 392

c) 35 × 22 = 770

×	20	8
10	200	80
4	80	32

b) 27 × 16 = 432

d) 45 × 36 = 1,620

×	20	7
10	200	70
6	120	42

7 Complete the multiplications.

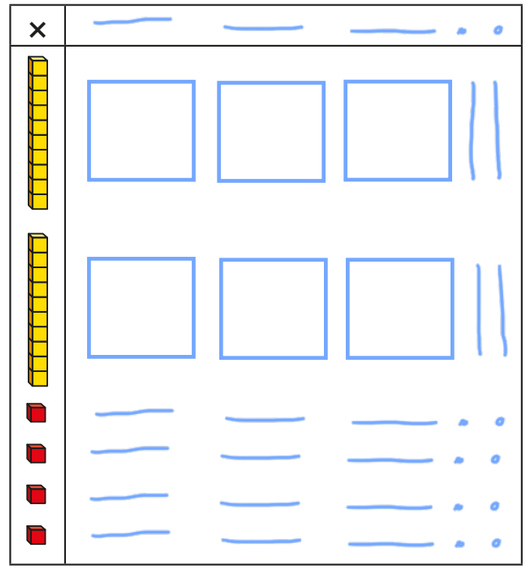
21 × 24 = 504

31 × 25 = 775

18 × 26 = 468

8 24 × 32 = 768

Complete the area model to find the missing number.



9 Use each digit card once to write a multiplication.

2 3 4 5

e.g. 23 × 45 = 1,035

How many different answers can you find?

Various answers

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

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