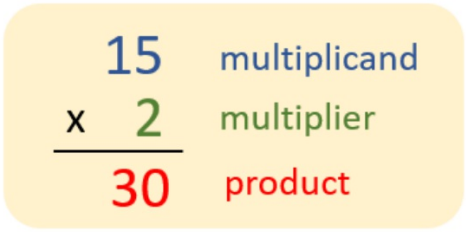
21.01.21

WALT: Multiply 2 digits by 2 digits

Vocabulary check

multiply
multiplicand
multiplier
product
place value

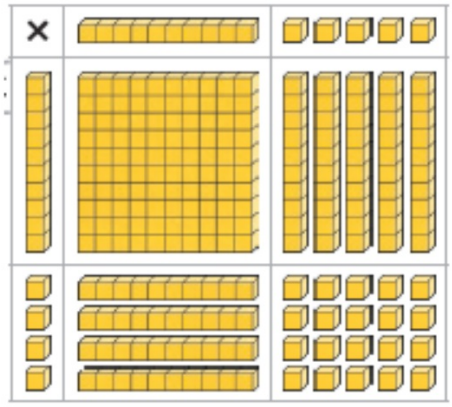


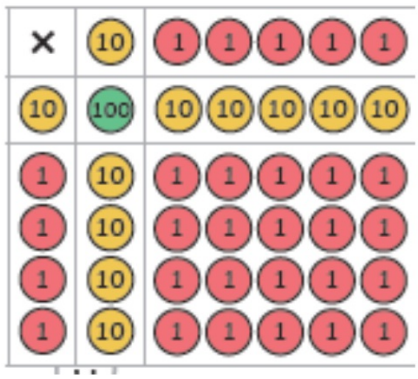
Thousands	Hundreds	Tens	Ones

15 x 14 =

(15 x 10) + (15 x 4)

×	10	5
10	100	50
4	40	20





$$\begin{array}{r} 15 \\ \times\ 14 \\ \hline \end{array}$$

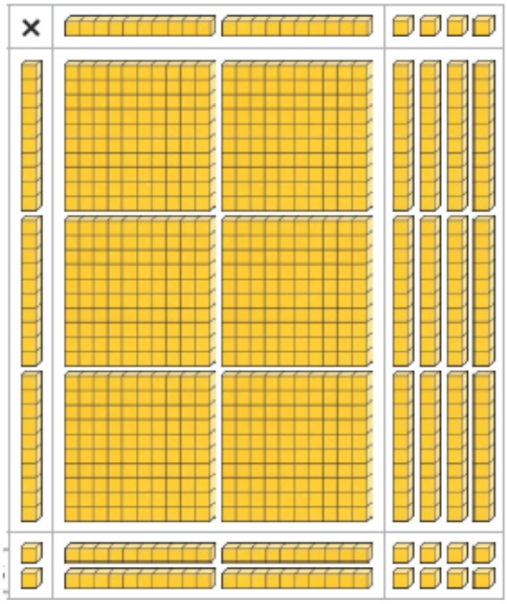
0

I do

24 x 32 =

(24 x 30) + (24 x 2) =

×	20	4
30	600	120
2	40	8



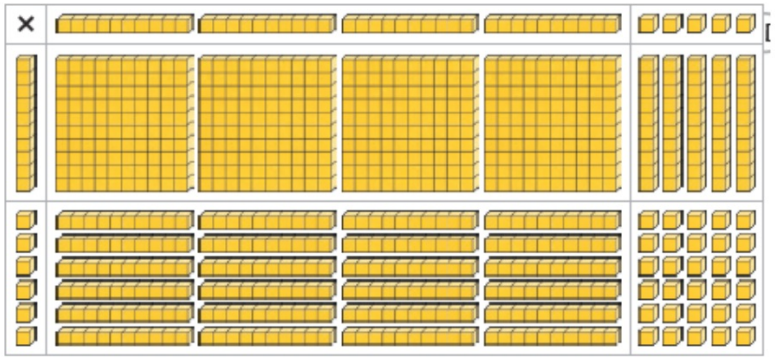
×	10 10	1 1 1 1
10	100 100	10 10 10 10
10	100 100	10 10 10 10
10	100 100	10 10 10 10
1	10 10	1 1 1 1
1	10 10	1 1 1 1

0

$$\begin{array}{r} 24 \\ \times\ 32 \\ \hline \end{array}$$

45 x 16 =

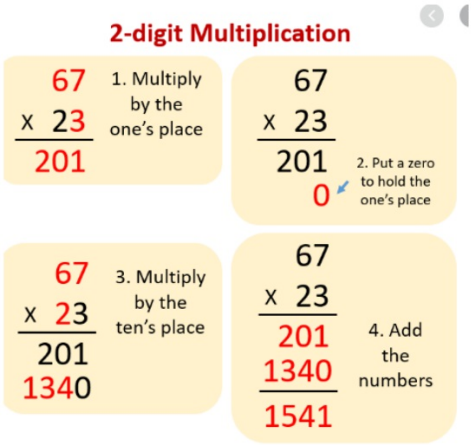
(45 x 10) + (45 x 6)



0

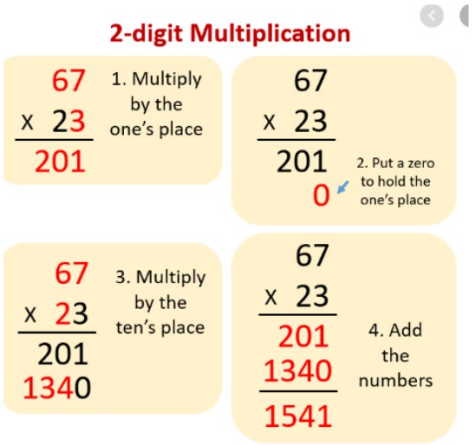
×	40	5
10	400	50
6	240	30

$$\begin{array}{r} 45 \\ \times\ 16 \\ \hline \end{array}$$



$$\begin{array}{r} 48 \\ \times\ 32 \\ \hline \end{array}$$

0



We do

0

$$\begin{array}{r} 56 \\ \times\ 32 \\ \hline \end{array}$$

35 x 23 =

45 x 31 =

Hinge

Which of these is correct for 45 x 23 =

A

1
~~1~~
45
x 23
135
90
225

B

1
~~1~~
45
x 23
135
900
1035
1

C

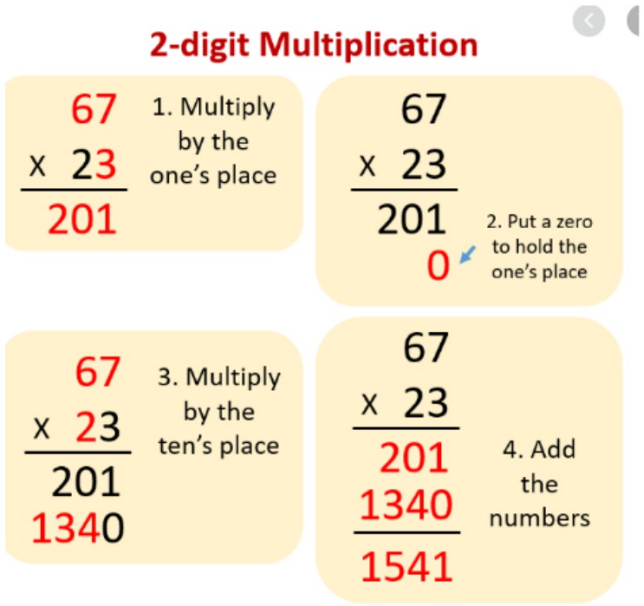
1
1 45
x 23
125
800
925

D I'm not sure

Try it

1. 27 x 13 =
2. 35 x 14 =
3. 36 x 22 =
4. 54 x 39 =

5. 41 x 25 =
6. 56 x 23 =
7. 43 x 53 =
8. 23 x 84 =



Use it

Calculate the missing number in these calculations.

1

$$\begin{array}{r} 2\_ \\ \times\ 25 \\ \hline 130 \\ 520 \\ \hline \\ \hline \end{array}$$

2

$$\begin{array}{r} 43 \\ \times\ 1\_ \\ \hline 258 \\ 430 \\ \hline \\ \hline \end{array}$$

3

$$\begin{array}{r} 5\_ \\ \times\ 26 \\ \hline 318 \\ 1060 \\ \hline \\ \hline \end{array}$$

4

$$\begin{array}{r} 23 \\ \times\ 1\_ \\ \hline 138 \\ 230 \\ \hline \\ \hline \end{array}$$

5

$$\begin{array}{r} 3\_ \\ \times\ 52 \\ \hline 68 \\ 1700 \\ \hline \\ \hline \end{array}$$

6

$$\begin{array}{r} 43 \\ \times\ 5\_ \\ \hline 86 \\ 2150 \\ \hline \\ \hline \end{array}$$

Prove it

When you multiply a 2 digit number by a 2 digit number the answer will be a 5 digit number - always / sometimes or never? Explain your answer.