

Monday 18.01.2021

## Multiplying 2-digits by 2-digits

1. Today we will be recapping how to use the grid method to calculate 2 digits by 2 digits.

Lets try with **24** x **16**.

2. Draw your grid like this:

X		

3. Partition both of your numbers into tens and ones

$$24 \times 16 =$$

X	20	4
10		
6		

4. Then you will need to do 4 multiplications.

$$10 \times 20 = 200$$

$$10 \times 4 = 80$$

$$6 \times 20 = 120$$

$$6 \times 4 = 24$$

X	20	4
10	200	80
6	120	24

5. Finally, add up all of the numbers to get your answer. Use column addition to make sure your numbers are accurately lined up.

$$200 + 120 + 80 + 24 = 424$$



Make sure you are presenting  
your work neatly and lining your  
columns up when adding!!!!

Have a go at these three questions.  
Some parts have been done for you.

$62 \times 34$

X	60	2
30		
4		

$$30 \times 60 =$$
$$30 \times 2 =$$
$$4 \times 60 =$$
$$4 \times 2 =$$
$$\text{So, } 62 \times 34 =$$

$48 \times 12$

X	40	8

$$10 \times 40 =$$
$$10 \times 8 =$$
$$2 \times 40 =$$
$$2 \times 8 =$$
$$\text{So, } 48 \times 12 =$$

$79 \times 45$

X		

Remember to check you are doing 4 calculations each time. Don't forget to add up!

# ANSWERS

$62 \times 34$

X	60	2
30	1800	60
4	240	8

$62 \times 34 = 2108$

$48 \times 12$

X	40	8
10	400	80
2	80	16

$48 \times 12 = 576$

$79 \times 45$

X	70	9
40	2800	360
5	350	45

$79 \times 45 = 3555$

Question 1. Use the grid method to answer these questions.

a)  $28 \times 14 =$

x	20	8
10		
4		

c)  $35 \times 22 =$

b)  $27 \times 16 =$

x		

d)  $45 \times 36 =$

# Question I ANSWERS

a)  $28 \times 14 =$  392

x	20	8
10	200	80
4	80	32

c)  $35 \times 22 =$  770

b)  $27 \times 16 =$  432

x	10	6
20	200	120
7	70	42

d)  $45 \times 36 =$  1620

Question 2. Use the grid method to answer these questions.

X		

a)  $71 \times 24 =$

b)  $18 \times 26 =$

c)  $33 \times 25 =$

d)  $46 \times 34 =$

e)  $82 \times 32 =$

f)  $29 \times 13 =$

Remember to check you are doing 4 calculations each time. Don't forget to add up!



## Question 2 ANSWERS

X		

a)  $71 \times 24 = 1704$

b)  $18 \times 26 = 468$

c)  $33 \times 25 = 825$

d)  $46 \times 34 = 1564$

e)  $82 \times 32 = 2624$

f)  $29 \times 13 = 377$