

8.1.21

## Multiplication and Division

Learning Objective:

We are learning to multiply a 2 digit number by a 2 digit number.

I will be successful if:

- I can set out my calculation correctly.
- I can recall times tables.
- I can carry over correctly.

## Key Vocabulary

multiplication

exchanging

multiple groups of 10

product

value

digit

1) Work out  $2,713 \times 8$

2) What is the perimeter of the square?

5 cm



3) What is  $5^2$  ?

4) Max saves £15. He spends £2.50 on a magazine.  
How much does he have left?



### Challenge

5)  $\_5\_7 + 1\_9\_ = 3943$

6)  $3\_6\_ + \_5\_9 = 6311$

7)  $\_7\_1 - 1\_2\_ = 3813$

8)  $8\_9\_ - \_3\_7 = 2906$

# Flashback 4

Year 5 | Week 1 | Day 5

1) Work out  $2,713 \times 8$  **21,704**

2) What is the perimeter of the square?



3) What is  $5^2$ ? **25**

4) Max saves £15. He spends £2.50 on a magazine.  
How much does he have left? **£12.50**



## Challenge

5)  $2547 + 1396 = 3943$

6)  $3762 + 2549 = 6311$

7)  $5741 - 1928 = 3813$

8)  $8293 - 5387 = 2906$

Complete this multiplication using the grid method we looked at yesterday.

$$53 \times 19 =$$

$\times$	50	3
10		
9		

## Answers

$$53 \times 19 = 1,007$$

×	50	3
10	500	30
9	450	27

$$500 + 450 + 30 + 27 = 1,007$$

Now we can put it into the column method.

$$\begin{array}{r} 53 \\ \times 19 \\ \hline \\ \hline 0 \\ \hline \\ \hline \end{array} \quad \begin{array}{l} (3 \times 9) \\ (3 \times 1) \\ \text{(Total)} \end{array} \quad \begin{array}{l} (5 \times 9) \\ (5 \times 1) \end{array}$$

Complete this multiplication calculation using the grid method.

$$23 \times 31$$

$\times$	20	3
30		
1		

## Answers

$$23 \times 31$$

$\times$	20	3
30	600	90
1	20	3

$$600 + 90 + 20 + 3 = 713$$

Now we can also show this in the column method

$$23 \times 31$$

×	20	3
30	600	90
1	20	3

$$600 + 90 + 20 + 7 = 713$$

	H	T	O
		2	3
×		3	1
		2	3
+	6	9	0
	7	1	3
	1		

Now complete these calculations using the column method.

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

$$\begin{array}{r} 19 \\ \times 23 \\ \hline \\ \hline \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ \times 24 \\ \hline \\ \hline \\ \hline \\ \hline \end{array}$$

Amir has multiplied 47 by 36



		4	7
x		3	6
	2	8	2
	1	4	1
	3	2	3

Alex says,



Amir is wrong because  
the answer should be  
1,692 not 323

Who is correct?

What mistake has been made?

8.1.21

Multiplication

1)  $23 \times 17 =$

2)  $16 \times 12 =$

3)  $26 \times 13 =$

4)  $35 \times 23 =$

5)  $26 \times 16 =$

6)  $18 \times 25 =$

7)  $24 \times 19 =$

8)  $36 \times 22 =$

9)  $31 \times 28 =$

10)  $27 \times 12 =$

How did you get on?

If you made a mistake, can you see where you went wrong and what you need to do to correct it?