

Summer Week 4 - Maths Lesson 1

Can I solve 1 digit x 3 digit
multiplications?

Fast five (answers on next page)

1) Half of 50 =

2) Double 30 =

3) Double 254 =

4) $39 \times 4 =$

5) $6598 + 9873 =$

Fast five **answers**

1) Half of 50 = **25**

2) Double 30 = **60**

3) Double 254 = **508**

4) $39 \times 4 =$ **156**

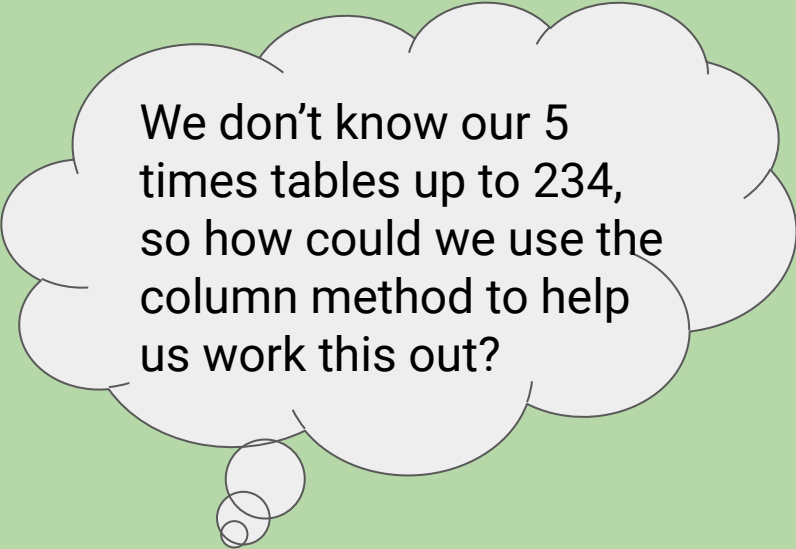
5) $6598 + 9873 =$ **16,471**

Today we are going to use the column method to help us solve multiplications of 1 digit numbers and 3 digit numbers!



Let's look at an example:

$$234 \times 5 =$$



We don't know our 5 times tables up to 234, so how could we use the column method to help us work this out?

Like when using the column method for addition and subtraction, we have to remember to use our place value headings.

234	x	5	=	Th	H	T	O
					2	3	4
				X			5

$$234 \times 5 =$$

Step 1:

$$4 \times 5 = 20$$

Because 20 is larger than 10, we have to remember to only put the ones in the ones column, and carry over the ten to the tens column!

X

Th	H	T	O
	2	3	4
			5
<hr/>			
			0
<hr/>			
		2	

$$234 \times 5 =$$

Step 2:

$$3 \times 5 = 15$$

$$15 + 2 = 17$$

17 is too large, we have to remember to only put the tens and ones in the ones columns, and carry over the hundred to the hundreds column!

X

Th	H	T	O
	2	3	4
			5
		7	0
	1	2	

$$234 \times 5 =$$

Step 3:

$$2 \times 5 = 10$$

$$10 + 1 = 11$$

X

Th	H	T	O
	2	3	4
			5
<hr/>			
	1	1	7
			0
<hr/>			
	1	2	

$$234 \times 5 = 1115$$

X

Th	H	T	O
	2	3	4
			5
<hr/>			
1	1	7	0
<hr/>			
	1	2	

Have a try at this example, on a piece of scrap paper or in the back of your book!
The answer will be on the next slide.

367×4

X

Th	H	T	O
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	3	6	7
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			4
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$$367 \times 4 = 1468$$

Step 1:

$$7 \times 4 = 28$$

X

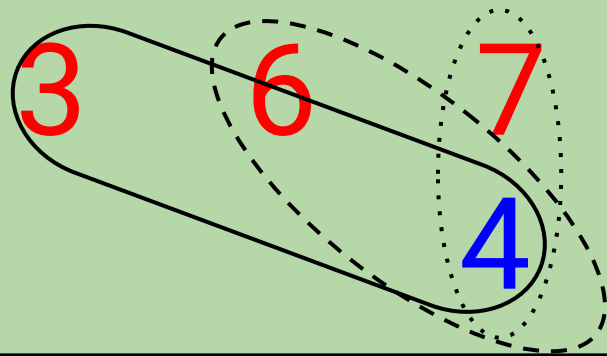
Step 2:

$$6 \times 4 = 24 + 2 = 26$$

Step 3:

$$3 \times 4 = 12 + 2 = 14$$

Th H T O



1 4 6 8

~~2~~ ~~2~~

Have a try at this example, on a piece of scrap paper or in the back of your book!
The answer will be on the next slide.

$$419 \times 3$$

Th H T O

X

Your activities:

Choose 1 challenge to do today.

Red - for the first 3 questions, the columns have been laid out for you.

Yellow - for the first question, the columns have been laid out for you.

Green - you will need to set the multiplication sentence into columns yourself!