

08.01.2021

Multiplication

LO: To multiply 2-digit numbers by 2 digit numbers.

Hook

Eva says,




To multiply 23 by 57 I just need to calculate 20×50 and 3×7 and then add the totals.

What mistake has Eva made?
Explain your answer.

What changes when we are multiplying by a two-digit number?

		2	3	
×		1	4	
		9	2	(23 × 4)
	2	3	0	(23 × 10)

Let's watch this video together!

 <https://www.youtube.com/watch?app=desktop&v=zKUUNo90eSE>

Using this method, we are going to calculate this question together on the board!

$$34 \times 26$$

Have a go at this one on your white board!

$$58 \times 15$$

Let's look at this question together on the board!

$$72 \propto 35$$

Have a go at calculating this question on your white boards! Some of the steps have been done for you.

		4	6	
x		2	7	
	3	2	2	(_ x _)
	9	2	0	(_ x _)

We are going to calculate the first question together and then you are going to have a go at calculating the other two questions on your own!

Use this method to calculate:

$$\underline{27 \times 39} \quad 46 \times 55 \quad 94 \times 49$$

Remember to add your zero!

Task OneTask One

1. 44×46

7. 48×49

2. 61×10

8. 45×63

3. 48×15

9. 84×84

4. 72×19

10. 13×90

5. 25×55

11. 97×41


6. 77×88

12. 59×18

Task Two

Task Two

Tommy says,




It is not possible to make 999 by multiplying two 2-digit numbers.

Do you agree?
Explain your answer.

Task Three


Task three

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?

ExtensionExtension

There are 18 rows of 16 stickers on a sheet.

How many stickers on 1 sheet?

How many stickers on 10 sheets?

