

Multiplying by 2 digit numbers - 2 Star (11.01.21) Resource 2



1. 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.

2. Amir hasn't finished his calculation. Complete the missing information and record the calculation with an answer.

\times	40	2
40		
6		

3. Farmer Ron has a field that measures 53 m long and 25 m wide.

Farmer Annie has a field that measures 52 m long and 26 m wide.

Dora thinks that they will have the same area because the numbers have only changed by one digit each.

Do you agree? Prove it.

Multiplying by 2 digit numbers - 2 Star (12.01.21) Resource 4

1.

Tommy says,



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

Do you agree?
Explain your answer.

2. Amir has multiplied 47 by 36



		4	7
×		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?

Multiplying by 3 digit by 2 digit numbers - 2 Star (13.01.21) Resource 6

1.

$$22 \times 111 = 2442$$

$$23 \times 111 = 2553$$

$$24 \times 111 = 2664$$

What do you think the answer to 25×111 will be?

What do you notice?

Does this always work?

2.

Pencils come in boxes of 64
A school bought 270 boxes.
Rulers come in packs of 46
A school bought 720 packs.
How many more rulers were ordered
than pencils?



3.

Here are examples of Dexter's maths work.

			9	8	7				
x				7	6				
		5	5	9	4	2	2		
		6	9	6	4	0	9		
	1	2	8	1	3	1			

				3	2	4			
x				7	8				
					5	9	2		
		2	1	2	1	3			
	2	1	2	2	6	8	0		
		3	2	7	2				

He has made a mistake in each question.

Can you spot it and explain why it's wrong?

Correct each calculation.

Multiplying by 4 digit by 2 digit numbers - 2 Star (14.01.21) Resource 8

1. Spot the Mistakes

Can you spot and correct the errors in the calculation?

		2	5	3	4
×				2	3
		7	5	9	2
		5	0	6	8
	1	2	6	6	0

2. Teddy has spilt some paint on his calculation.

		2	6	9	
×			2		
	2	2	9	5	2
	5	7	3		0
	1	0	3	3	2

What are the missing digits?

What do you notice?

