







LI: Can I multiply 2-digits by  
1-digit?

Please watch the following  
teaching video (you will need  
sound):





<https://vimeo.com/492101238>

- 1 Ron, Eva and Mo each have 23 marbles.





Tens	Ones
	
	
	

How many marbles are there in total?

- 2 Use the place value chart to work out  $2 \times 24$   
Complete the multiplication sentences.

Tens	Ones
	
	

- 3 Annie works out  $43 \times 2 = 86$

Tens	Ones
	
	

	T	O
	4	3
x		2
	8	6

Talk about Annie's methods with a partner.

What is the same? What is different?



- 4 Complete the multiplications.

a)

	T	O
	2	4
x		2

b)

	T	O
	4	4
x		2

c)  $31 \times 3$

d)  $42 \times 2$

Compare answers with a partner.



- 5 Jack is trying to work out  $34 \times 2$  using the column method.



I'm not sure what to do.

	T	O
		2
x	3	4

Show how Jack could improve his column method and work out the answer.

- 6 One toaster costs £32

How much do 3 toasters cost?



4 Complete the multiplications.

a)

		T	O	
		2	4	
	x		2	
		-----		
		-----		

b)

		T	O	
		4	4	
	x		2	
		-----		
		-----		

c)  $31 \times 3$

d)  $42 \times 2$

Compare answers with a partner.

5 Jack is trying to work out  $34 \times 2$  using the column method.



I'm not sure what to do.

			2	
	x	3	4	
		-----		
		-----		

Show how Jack could improve his column method and work out the answer.

6 One toaster costs £32  
How much do 3 toasters cost?



7 Whitney has multiplied a 2-digit number by a 1-digit number.



I had to do  $30 + 9 = 39$  to get my answer.

What numbers is Whitney multiplying?

Fill in the missing digits.

	x			
		3	9	
		-----		
		-----		

8 Filip used the column method to work out  $41 \times 2$



I can work this multiplication out in my head.

		4	1	
	x		2	
		-----		
		-----		

a) How do you think Eva will work this out in her head?

b) Tick the multiplications that you can work out in your head.

$4 \times 22$

$3 \times 23$

$3 \times 33$

$12 \times 4$

$3 \times 32$

$4 \times 20$

The following slides have  
the answers that you can  
check your work.

# Multiply 2-digits by 1-digit (1)

1 Ron, Eva and Mo each have 23 marbles.



Tens	Ones

How many marbles are there in total?

$$3 \times 3 \text{ ones} = 9$$

$$3 \times 2 \text{ tens} = 60$$

$$9 + 60 = 69$$

$$3 \times 23 = 69$$

There are 69 marbles in total.

2 Use the place value chart to work out  $2 \times 24$   
Complete the multiplication sentences.

Tens	Ones

$$2 \times 4 = 8$$

$$2 \times 20 = 40$$

$$2 \times 24 = 48$$

3 Annie works out  $43 \times 2 = 86$

Tens	Ones

		T	O	
		4	3	
	x		2	
		8	6	

Talk about Annie's methods with a partner.

What is the same? What is different?

4 Complete the multiplications.

a)

		T	O	
		2	4	
	x		2	
		4	8	

b)

		T	O	
		4	4	
	x		2	
		8	8	

c)  $31 \times 3$

		T	0
		3	1
	x		3
		9	3

d)  $42 \times 2$

		T	0
		4	2
	x		2
		8	4

Compare answers with a partner.

- 5 Jack is trying to work out  $34 \times 2$  using the column method.



I'm not sure what to do.

			2	
	x	3	4	

Show how Jack could improve his column method and work out the answer.

		3	4	
	x		2	
		6	8	

- 6 One toaster costs £32  
How much do 3 toasters cost?



£96

- 7 Whitney has multiplied a 2-digit number by a 1-digit number.



I had to do  $30 + 9 = 39$  to get my answer.

What numbers is Whitney multiplying?

Fill in the missing digits.

		1	3	
	x		3	
		3	9	

- 8 Filip used the column method to work out  $41 \times 2$



I can work this multiplication out in my head.

		4	1	
	x		2	

- a) How do you think Eva will work this out in her head?  
b) Tick the multiplications that you can work out in your head. *Various answers.*

$4 \times 22$

$3 \times 23$

$3 \times 33$

$12 \times 4$

$3 \times 32$

$4 \times 20$