

Maths



Class 4

Multiplication

Lesson Objective: To be able to use multiplication with a pair of numbers.

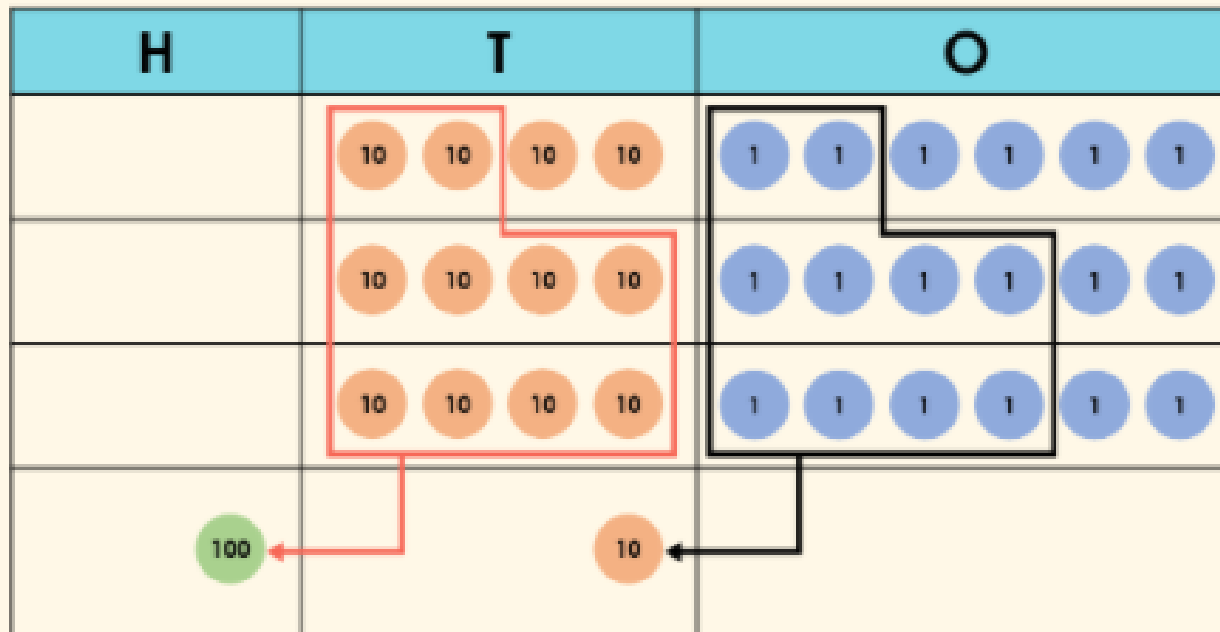
Calculate  $46 \times 3$  using the place value counters and the written method.



H	T	O
		

	4	6
x		3
<hr/>		
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Next, we calculate the tens column.  $3 \times 4$  tens = **12 tens**. Add on the exchanged 1 ten = **13 tens**. We then exchange 10 tens for 1 hundred. Finally, we add the exchanged 1 hundred. The calculation is  $46 \times 3 = 138$ .



	4	6
x		3
	13	8
	1	

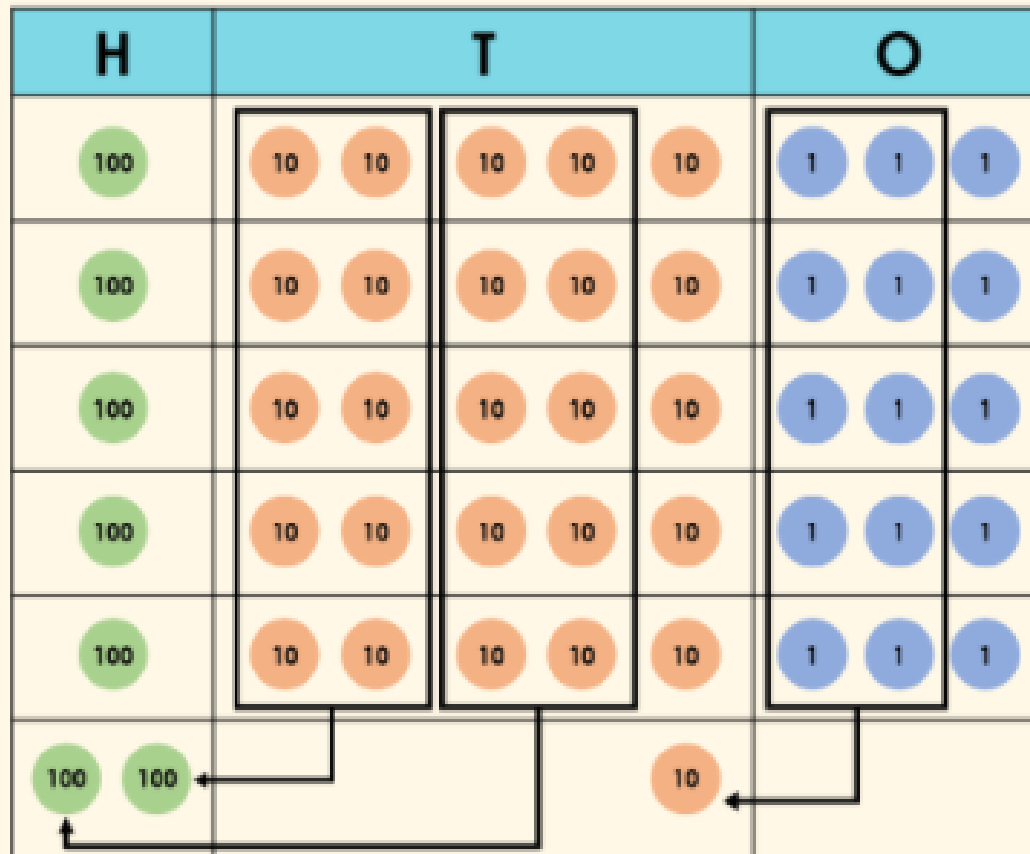
Complete the calculation  $153 \times 5$  using the place value chart and counters to help you with the written method.



H	T	O
	    	  

	1	5	3
x			5



Finally, we calculate the hundreds.  $5 \times 1 \text{ hundred} = 5 \text{ hundreds}$ . Add the exchanged 2 hundreds = **7 hundreds**. The calculation is  $153 \times 5 = 765$ .



	1	5	3
x			5
	7	6	5
	2	1	

What happens when we have 0 as a place holder? Calculate  $380 \times 2$  using the place value counters and the written method.



H	T	O
		

	3	8	0
x			2
<hr/>			
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There are 0 ones, so should we begin with the tens column?

Finally, we calculate the hundreds column.  $2 \times 3$  hundreds = **6 hundreds**. Add the exchanged hundred = **7 hundreds**. The calculation is  $380 \times 2 = 760$ .



H	T						O
100 100 100	10 10 10 10 10	10 10 10					
100 100 100	10 10 10 10 10	10 10 10					
100							

	3	8	0
x			2
	7	6	0
	1		

Do the same rules apply if there is a 0 in the tens column?



# Task

- Red Task - I can learn multiplication facts for my 3 and 4-times tables using the pictures to support me.
- Yellow Task - I can solve multiplication questions where I have to multiply a 3-digit number by a single digit number.
- Green Task - I can multiply a 3-digit number by a single digit number in a range of different contexts.