

Lesson 8-

I can multiply 2 digits
by 1 digit - reasoning
and problem solving

Recap- multiplying 2 digits by
1 number

$$16 \times 4 = 64$$

	1	6
x		4
	6	4
	2	

Starter- Complete the following question

$$\underline{57} \quad \times \quad \underline{3} =$$

	5	7
x		3

Starter- answer

$$\underline{57} \times 3 =$$

	5	7
x		3
1	7	1
1	2	

Reasoning

Florence has worked out the answer to a calculation.

Is she correct?

Explain your answer.

Top tip:

Work it out yourself.

Find out whether she is right or wrong. Explain why.
Explain how you know using evidence.

	7	5
x		7
5	2	5
	3	

Reasoning

Florence has worked out the answer to a calculation.

Is she correct?

Explain your answer.

	7	5
x		7
5	2	5
	3	

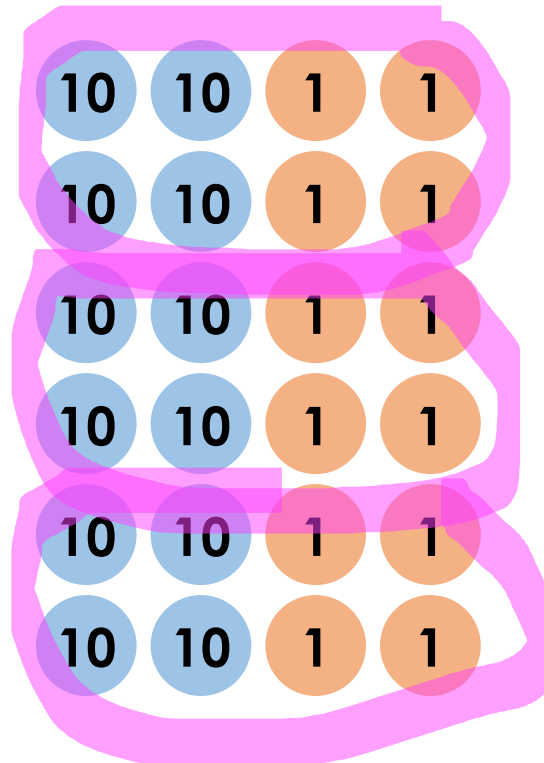
She is correct because $7 \times 5 = 35$
and $7 \times 70 = 490$; $490 + 35 = 525$.

Notice how the answer gives proof. It explains how they know she is correct, it doesn't just say she is correct.

Problem-solving

Use the counters to help find the missing numbers to the calculation.

	4	4
x		<input type="text"/>
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<input type="text"/>	<input type="text"/>	<input type="text"/>
<hr/>		
	1	



Step 1- Make 44 out of the counters.

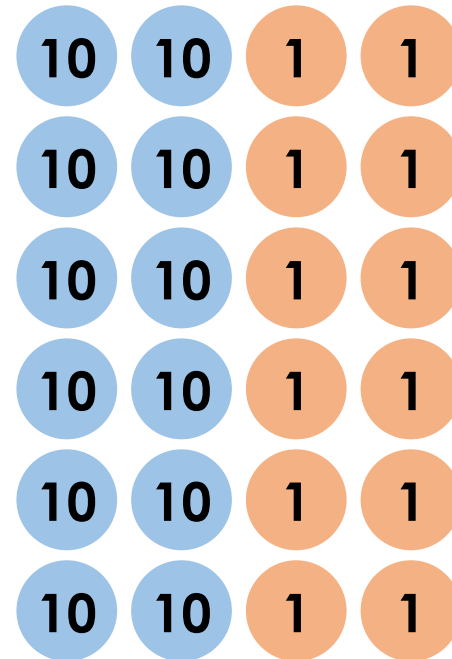
How many groups of 44 can you make?

Step 2- Once you've found how many groups, multiply the number together.

What is the answer? What are the missing numbers?

Problem-solving- answer

	4	4
x		3
1	3	2
	1	



Use your reasoning and problem-solving skills to complete the questions on activity sheet 8.