

Column Addition 4 (regrouping)

L.O. To add using column addition.

Review:

		T	O					T	O							T	O
1)		7	4		2)		5	7		3)		4	2				
	+	3	3			+	5	2			+	6	6				
		_____					_____					_____					
		_____					_____					_____					

Hot Tip: When regrouping, if there are no other digits to add in a column, imagine zeroes in their place ;)

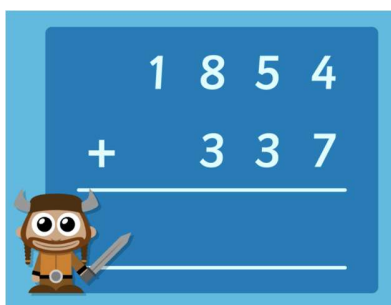
Direct Instruction:

Go to the following website to watch examples of how to add using the column method:

<https://www.mathsisfun.com/numbers/addition-column.html>

The key rules for using the column method to add:

1. **Line-up** the digits in the numbers you are adding in columns – ones, tens, etc.
2. Only put **one digit** per square!
3. Include the operation: **addition +**
4. Start on the **right-hand** side of the equation.
5. Write your answer underneath the line of the question.
6. If you get an answer of 10 or more (which contain two digits), since you can **only have one digit per column**, you need to regroup. This can happen several times in the same question!



1 1

Guided Practice:

Let's work through the question above together.

1. We start on the right-hand side and add the digits in the ones column:

$$4 + 7 =$$

2. Move to the column to the left and add the digits in the tens column (don't forget to regroup): $5 + 3 + 1 =$

3. Move to the next column to the left and add the digits in the hundreds column (don't forget to regroup): $8 + 3 =$

4. Move to the next column to the left and add the digits in the thousands column (don't forget to regroup): $1 + 0 + 1 =$

What was your final answer? _____

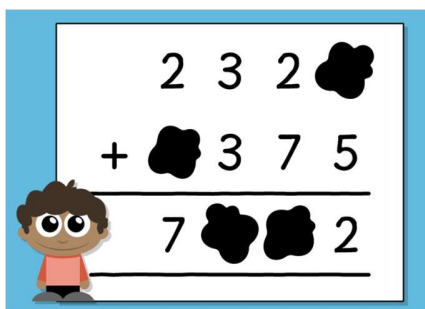
Have a go at filling in the missing numbers in the following equation:



$$\begin{array}{r} \boxed{?} \boxed{?} \boxed{?} \boxed{?} \\ + \boxed{6} \boxed{3} \boxed{9} \boxed{5} \\ \hline \boxed{8} \boxed{9} \boxed{4} \boxed{9} \\ \hline \end{array}$$



1

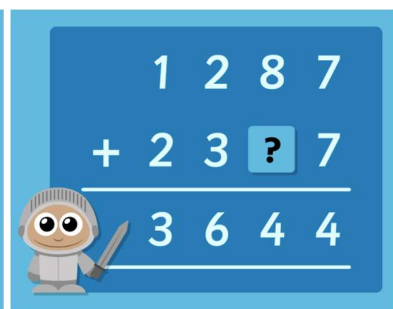
Independent Practice:


Calculate the following equations (or find their missing numbers):



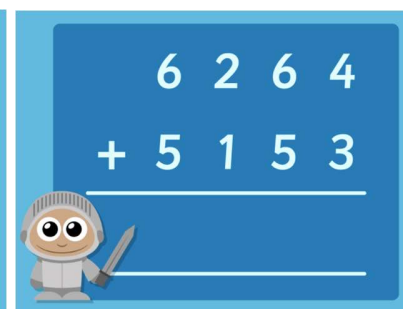
2 3 2 
+  3 7 5

7   2



1 2 8 7
+ 2 3  7

3 6 4 4



6 2 6 4
+ 5 1 5 3

Challenge Question:

Complete:

$$\begin{array}{r} 6 \square \square 8 \\ + \square \square 8 \square \\ \hline 9,325 \\ \hline \begin{array}{cccc} & 1 & 1 & 1 \end{array} \end{array}$$

Greg says that 'there is more than one answer for the missing numbers in the hundreds column'. Is he correct? Explain your answer.