

Column Addition 3

(regrouping)

L.O. To add using column addition.

Direct Instruction:

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

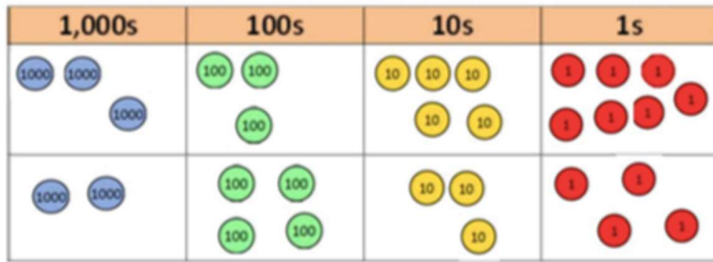
<https://www.mathsisfun.com/numbers/addition-column.html>

The key rules for using the column method to add:

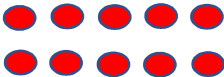

1. **Line-up** the digits in the numbers you are adding in columns – ones, tens, etc.
2. Only put **one digit** per square!
3. Include the operation: **addition +**
4. Start on the **right-hand** side of the equation.
5. Write your answer underneath the line of the question.
6. If you get an answer of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

Regrouping means exchanging groups of ones for tens, or groups of tens for hundreds, and groups of hundreds for thousands.

To find the sum of $3357 + 2434 =$



	TH	H	T	O
	3	3	5	7
+	2	4	3	4
	5	7	9	1
			1	

When adding the digits in the ones column $7 + 4 = 11$, which is a 2-digit number, we need to exchange ten ones  for a 10 counter  and move it to the 10s column.

In other words, we regroup the digit 1 in 11 into the 10s column at the bottom, leaving the other digit 1 of 11 in the 1s column.

Then we add the digits in the 10s column including the 1 we regrouped at the bottom:
 $5 + 3 + 1$ (regrouped) $= 9$

Next, move to the next column on the left, adding the digits in the 100s column:
 $3 + 4 = 7$

Finally, we add the digits in the 1000s column: $3 + 2 = 5$

The sum of $3357 + 2434 = 5791$

Step-by-Step Instructions on YouTube:

<https://www.youtube.com/watch?v=PRAOFeuaaVU>

Check out the Addition Regrouping song on YouTube (*Although we regroup at the bottom!*):
<https://www.youtube.com/watch?v=cE-yrJv4TEs>

Pop Quiz!

1. When regrouping, where does the digit in the tens column go?

- It goes into the answer.
- It gets regrouped to the next column on the left.
- It gets regrouped to the column on the right.
- It gets regrouped to the far left column.

When regrouping, the digit in the tens column goes to the next column to the left.

Guided Practice:

