



Classwork 5-13-2020

Today we will review column addition! Yay!

Good morning and Hello from Mrs. Cronin!

Today is 5/13/2020

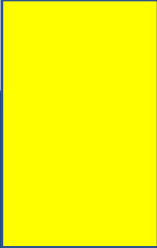
Where To Find Your Work: <https://lynncronin.weebly.com/>

Learning Objectives: Today we will review column addition!
Yay!

Learning Activities: PowerPoint, Quizlet

How We Communicate: lcronin@wtps.org / 856-857-7707

MA.3.NBT.A.2



Today we will concentrate
on column addition.

Yay!

Column addition!

$$\begin{array}{r} 4,000 \\ 300 \\ 20 \\ + 3 \\ \hline \end{array}$$

1,000's 100's 10's 1's

Remember column addition?

Write all the numbers that you are adding in a very neat column making sure that you keep them lined up in their place value positions.

Column addition!

$$\begin{array}{r} 4,000 \\ + 300 \\ + 20 \\ + 3 \\ \hline \end{array}$$

1,000's 100's 10's 1's

I always draw all of the lines so that I don't mess up the columns!

Column addition!

$$\begin{array}{r} 4,000 \\ 300 \\ 20 \\ + 3 \\ \hline \end{array}$$

1,000's 100's 10's 1's

Start with the
one's column.

Add all
those numbers.

Column addition!

4,000			
	300		
		20	
+			3
<hr/>			
			3
1,000's	100's	10's	1's

Go to the
ten's column.

Add those numbers.

Column addition!

	4,000			
		300		
			20	
				3
+				
<hr/>				
			23	
	1,000's	100's	10's	1's

Go to the
next column.

Add those numbers.

Column addition!

	4,000			
		300		
			20	
				3
+				
<hr/>				
		323		
	1,000's	100's	10's	1's

Go to the
next column.

Add those numbers.

Column addition!

$$\begin{array}{r} 4,000 \\ 300 \\ 20 \\ + 3 \\ \hline 4,323 \end{array}$$

1,000's 100's 10's 1's

Finally, when the number is completely written, add the comma.

Column addition!

$$\begin{array}{r} 4,000 \\ 300 \\ 20 \\ + 3 \\ \hline 4,323 \end{array}$$

1,000's 100's 10's 1's

Finally, when the number is completely written, add the comma.

Column addition!

$$\begin{array}{r} 4,000 \\ 300 \\ 20 \\ + 3 \\ \hline 4,323 \end{array}$$

1,000's 100's 10's 1's

The rules:

Add the one's column, then the ten's column, then the hundred's column, and keep going as long as there is another column to add.

Try this one!

8,000			
	520		
		13	
+			2
<hr/>			

1,000's 100's 10's 1's

The rules:

Add the one's column, then the ten's column, then the hundred's column, and keep going as long as there is another column to add.

Complete the work then check your answer on the next page.

Try this one!

8,000			
	520		
		13	
+			2
<hr/>			
8,535			
1,000's	100's	10's	1's

How did you do?

Try this one!

4,022			
	753		
		11	
+			2
<hr/>			

1,000's 100's 10's 1's

The rules:

Add the one's column, then the ten's column, then the hundred's column, and keep going as long as there is another column to add.

Complete the entire problem then check it.

Try this one!

4	0	2	2
	7	5	3
		1	1
+			2
<hr/>			
4	7	8	8
1,000's	100's	10's	1's

The rules:

Add the one's column, then the ten's column, then the hundred's column, and keep going as long as there is another column to add.

Try this one!

9	3	1	5
	1	4	2
		2	1
+			1
<hr/>			

1,000's 100's 10's 1's

The rules:

Add the one's column, then the ten's column, then the hundred's column, and keep going as long as there is another column to add.

Try this one!

$$\begin{array}{r} 9,315 \\ 142 \\ 21 \\ + 1 \\ \hline 9,479 \end{array}$$

1,000's 100's 10's 1's

The rules:

Add the one's column, then the ten's column, then the hundred's column, and keep going as long as there is another column to add.

Do you remember how to carry?

$$\begin{array}{r} + \\ \hline \end{array} \begin{array}{r} 53 \\ 19 \end{array}$$

1,000's 100's 10's 1's

If any column adds up to more than ten you must carry the larger digit into the next column.

Do you remember how to carry?

$$\begin{array}{r} + \\ \hline \end{array} \begin{array}{r} 53 \\ 19 \end{array}$$

1,000's 100's 10's 1's

Start in the one's column
 $9 + 3 = 12$.

But the one's column can
only have one digit in it.

What should we do?

Do you remember how to carry?

A vertical addition problem is shown on a grid with four columns labeled at the bottom: 1,000's, 100's, 10's, and 1's. The numbers 53 and 19 are added together. The result 12 is written below a horizontal line, but it is crossed out with a large orange X. The 1 is in the 10's column and the 2 is in the 1's column.

$$\begin{array}{r} 53 \\ +19 \\ \hline 12 \end{array}$$

Normally we would put the 1 in the ten's place and 2 in the one's place.

But we can't because we still have to add in the ten's place!

Do you remember how to carry?

$$\begin{array}{r} 1 \\ 53 \\ +19 \\ \hline 72 \end{array}$$

1,000's 100's 10's 1's

We solve this problem by taking the 1 that should be in the tens place at the bottom and moving it way up – above the ten's column.

Instead of writing the 1 in the ten's column at the bottom, we have added it to the column of numbers to be added in the ten's place.

I wrote it in white so you would see it.

Do you remember how to carry?

			1	
		5	3	
		+	1	9
		<hr/>		
		7	2	
1,000's	100's	10's	1's	

Now when I add the numbers in the ten's column I add that 1 also.

$1 + 5 + 1 = 7$, so I write 7 at the bottom.

$$37 + 56$$

$$\begin{array}{r} 37 \\ +56 \\ \hline 93 \end{array}$$

1,000's 100's 10's 1's

We can't put the 1 in the ten's place because we have other numbers to add.

So we move that one to the top of the ten's column.

37 + 56

			1	
		3	7	
		+	5	6
		<hr/>		
			3	

1,000's 100's 10's 1's

Now we can add the 1 to the other numbers in the ten's place.

$$1 + 3 + 5 = 9$$

37 + 56

$$\begin{array}{r} 1 \\ 37 \\ +56 \\ \hline 93 \end{array}$$

1,000's 100's 10's 1's

Place the nine into the ten's place.

And you are done!

You can estimate to see if it seems reasonable.

37 is almost 40
56 is about 55
 $40 + 55 = 95$.

Seems reasonable to me!

$$37 + 56$$

		1	
		37	
		+56	
		<hr/>	
		93	
1,000's	100's	10's	1's

Review:

Add the one's column.
If it is less than ten, move
on to the ten's column.

BUT

If it is more than ten then
the number in the ten's
place has to go to the
top of the problem so it
can be added to the
other numbers in the
ten's column.

Addition with Carrying

$$\begin{array}{r} 1 \\ 37 \\ +56 \\ \hline 93 \end{array}$$

1,000's 100's 10's 1's

When you move a number way up to the top of the columns it is called carrying that number.

Probably because you pick up the number and carry it to the top of the problem.

Try one!

		65	
		+19	
		<hr/>	
1,000's	100's	10's	1's

Start by adding the one's place. If it is less than ten, move on.

If it is more than ten, carry the ten's place number to the top of the problem so you can add it with the other ten's place numbers.

Add the ten's place numbers.

Complete the problem on your own then check the next page to see if you were right.

Try one!

$$\begin{array}{r} 1 \\ 65 \\ +19 \\ \hline 84 \end{array}$$

1,000's 100's 10's 1's

Estimate to check:
 $65 + 20 = 85$

Is this answer
reasonable?

Try one!

$$\begin{array}{r} 1 \\ 33 \\ +48 \\ \hline 81 \end{array}$$

1,000's 100's 10's 1's

Start by adding the one's place. If it is less than ten, move on.

If it is more than ten, carry the ten's place number to the top of the problem so you can add it with the other ten's place numbers.

Add the ten's place numbers.

Complete the problem on your own then check the next page to see if you were right.



No problems today.
We will practice this again tomorrow.



Work on Quizlet:

<https://quizlet.com/507264008/multiplication-week-of-may-11-to-15-flash-cards/>

Please also complete
10 minutes of First-In-Math!