



Classwork 6-3-2020

I am proud of your work! Let's step it up a notch!



Lesson Plans: 6/1/2020

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

Learning Objectives: Today we will spend some more time practicing traditional multiplication with carrying – but let's step it up a notch.

Learning Activities: PowerPoint, Quizlet, First-In-Math

How I will see/check your work: please email or text me your answers and tell me how you are doing

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

Grade 4 - MA.4.NBT.A.1, MA.4.NBT.A.2, MA.4.NBT.A.3, MA.4.NBT.B, MA.4.NBT.B.4, MA.4.NBT.B.5

When you multiply two digits by three digits you just repeat the whole thing.

$$\begin{array}{r} 21 \\ \times 32 \\ \hline \end{array}$$

Multiply the one's place times the one's place in the top number – and when you are done with that you do it again!

But first, you need to put a zero in the second row in the one's place (because you will be multiplying in the ten's place)

When you multiply two digits by three digits you just repeat the whole thing.

$$\begin{array}{r} 21 \\ \times 32 \\ \hline 42 \\ 0 \end{array}$$

See that zero?

It is a placeholder to make sure that you start the next multiplication in the ten's place.

From here you start multiplying the 3 in the ten's place by each digit in the top row – starting, as always with the one's place.

When you multiply two digits by three digits you just repeat the whole thing.

$$\begin{array}{r} 21 \\ \times 32 \\ \hline 42 \\ 30 \end{array}$$

First $3 \times 1 = 3$.

Place that answer next to the zero that you just "plopped" in.

Since you have multiplied by the one's place, move on to the ten's place. ($3 \times 2 = 6$)

When you multiply two digits by three digits you just repeat the whole thing.

$$\begin{array}{r} 21 \\ \times 32 \\ \hline 42 \\ 630 \end{array}$$

And now add the two "answers" together.

Sounds familiar right? That's because it is exactly what we did when we asked you to do "split" multiplication.

When you multiply two digits by three digits you just repeat the whole thing.

$$\begin{array}{r} 21 \\ \times 32 \\ \hline 42 \\ + 630 \\ \hline 672 \end{array}$$

And now add the two "answers" together.

Sounds familiar right? That's because it is exactly what we did when we asked you to do "split" multiplication.

Let's try another one!

$$\begin{array}{r} 72 \\ \times 23 \\ \hline \end{array}$$

Start with the base number in the one's place on the bottom row.

Complete that multiplication.

Next go to the ten's place on the second row, plop in the zero in the answer slot and multiply as usual.

Complete the multiplication from the one's place then check your answer on the next page.

Let's try another one!

$$\begin{array}{r} 72 \\ \times 23 \\ \hline 216 \end{array}$$

Now you will multiply
the ten's place.

Make sure you plop in
the zero first!

Complete the multiplication from the one's place then check your answer on the next page.

Let's try another one!

$$\begin{array}{r} 72 \\ \times 23 \\ \hline 216 \\ 0 \end{array}$$

Now you will multiply the ten's place.

Make sure you plop in the zero first!

Place the zero where it belongs, then check your answer on the next page.

Let's try another one!

$$\begin{array}{r} 72 \\ \times 23 \\ \hline 216 \\ 0 \end{array}$$

Next multiply from the ten's place on the second line.

Always multiply first in the one's place, then the ten's place.

Complete the multiplication from the ten's place, then check your answer on the next page.

Let's try another one!

$$\begin{array}{r} 72 \\ \times 23 \\ \hline 216 \\ 1440 \end{array}$$

Beautiful!

Do you remember
what to do next?

Yes you do remember!
You add them
together!

Add them together and add the comma. then check your answer on the next page.

How did it go?

$$\begin{array}{r} 72 \\ \times 23 \\ \hline 216 \\ + 1440 \\ \hline 1,656 \end{array}$$

The whole thing is a pattern.

You start with the one's place on the second row and multiply it first by the one's place on the first line, then the ten's place then the hundred's place...

Another

$$\begin{array}{r} 61 \\ \times 28 \\ \hline \end{array}$$

Steps:

1. Multiply the one's digit with the top digits in order.
2. Plop in a zero to save your place
3. Multiply the ten's digit across the top row (in order)
4. Then add the "answers together.

Complete the multiplication from the 8 then turn the page to check your answers.

Another

$$\begin{array}{r} 61 \\ \times 28 \\ \hline 488 \end{array}$$

Steps:

1. Multiply the one's digit with the top digits in order.
2. Plop in a zero to save your place
3. Multiply the ten's digit across the top row (in order)
4. Then add the "answers together.

"plop" in the zero then turn the page to check your answers.

Another

$$\begin{array}{r} 61 \\ \times 28 \\ \hline 488 \\ 0 \end{array}$$

Steps:

1. Multiply the one's digit with the top digits in order.
2. Plop in a zero to save your place
3. Multiply the ten's digit across the top row (in order)
4. Then add the "answers together.

Multiply from the ten's digit, then turn the page to check your answers.

Another

$$\begin{array}{r} 61 \\ \times 28 \\ \hline 488 \\ 620 \end{array}$$

Steps:

1. Multiply the one's digit with the top digits in order.
2. Plop in a zero to save your place
3. Multiply the ten's digit across the top row (in order)
4. Then add the "answers together.

Multiply from the ten's digit, then turn the page to check your answers.

Uno Más

$$\begin{array}{r} 42 \\ \times 41 \\ \hline \end{array}$$

Steps:

1. Multiply the one's digit with the top digits in order.
2. Plop in a zero to save your place
3. Multiply the ten's digit across the top row (in order)
4. Then add the "answers together.

Complete step one, then turn the page to check your answers.

Uno Más

$$\begin{array}{r} 42 \\ \times 41 \\ \hline 42 \end{array}$$

Steps:

1. Multiply the one's digit with the top digits in order.
2. Plop in a zero to save your place
3. Multiply the ten's digit across the top row (in order)
4. Then add the "answers together.

Complete step 2, then turn the page to check your answers.

Uno Más

$$\begin{array}{r} 42 \\ \times 41 \\ \hline 42 \\ 0 \end{array}$$

Steps:

1. Multiply the one's digit with the top digits in order.
2. Plop in a zero to save your place
3. Multiply the ten's digit across the top row (in order)
4. Then add the "answers together.

Complete step 3, then turn the page to check your answers.

Uno Más

$$\begin{array}{r} 42 \\ \times 41 \\ \hline 42 \\ 1680 \end{array}$$

Steps:

1. Multiply the one's digit with the top digits in order.
2. Plop in a zero to save your place
3. Multiply the ten's digit across the top row (in order)
4. Then add the "answers together.

Complete step 4, then turn the page to check your answers.

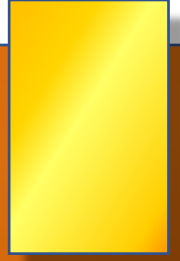
Uno Más

$$\begin{array}{r} 42 \\ \times 41 \\ \hline 42 \\ + 1680 \\ \hline 1,722 \end{array}$$

Steps:

1. Multiply the one's digit with the top digits in order.
2. Plop in a zero to save your place
3. Multiply the ten's digit across the top row (in order)
4. Then add the "answers together.

Complete step 4, then turn the page to check your answers.



This was difficult!

No problems to complete

No Quizlet

**I would love it if you would spend 10
minutes on First-In-Math!**