Classwork 5-21-2020

Uno Más! (Spanish for "one more") which means – one more day then we are on a 4-day Memorial Day Weekend!

Whoooo Hoooo! This is the unofficial start of summer!!

1

Good morning and Hello from Mrs. Cronin!
Today is 5/21/2020

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

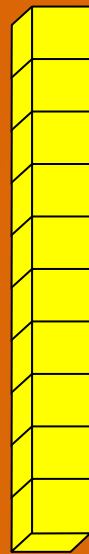**Learning Objectives:** We are going to practice split multiplication today – then I'll give you 4 days off!!

Learning Activities: PowerPoint, Quizlet, FIM

How We Communicate: lcronin@wtps.org / 856-857-7707
MA.5.OA.A

Let's start the countdown!

Today we have been in school for 162 days, so we have 18 days left!

It's that time of year!

The countdown begins!

1 8

3

Enough goofing around!

Let's Get to work!

4

362 x 3 =

362
x 3
$\longrightarrow$
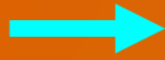
We will do a couple practice problems then 5 homework problems.

Then we will quit for the day and have a fabulous weekend!!

Write the three new equations then check the next page to check your answer.

362 x 3 =

```
 362
x  3
_____
```
→

As soon as I look at this problem, I automatically estimate it!

That's because I know that 300 x 3 = 900 and 60 x 3 is 180 (close to 200) so I know we will end up at around 1,100

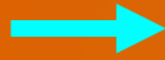Let's see how close I am!

362 x 3 =

$$362 \times 3 \quad \longrightarrow \quad \begin{array}{r} 300 \\ \times \quad 3 \\ \hline 900 \end{array} \quad + \quad \begin{array}{r} 60 \\ \times 3 \\ \hline 180 \end{array} \quad + \quad \begin{array}{r} 2 \\ \times 3 \\ \hline 6 \end{array}$$

7

362 x 3 =

$$
\begin{array}{r}
362 \\
\times\ 3 \\
\hline
\end{array}
\qquad\rightarrow\qquad
\begin{array}{r}
300 \\
\times\ \ \ 3 \\
\hline
900
\end{array}
\quad+\quad
\begin{array}{r}
60 \\
\times\ 3 \\
\hline
180
\end{array}
\quad+\quad
\begin{array}{r}
2 \\
\times\ 3 \\
\hline
6
\end{array}
$$

$$
\begin{array}{r}
1\ \ \ \ \\
900 \\
+\ \ 180 \\
+\ \ \ \ 6 \\
\hline
1,086
\end{array}
$$

362 x 3 =

$$
\begin{array}{r}
362 \\
\times\ 3 \\
\hline
\end{array}
\quad\longrightarrow\quad
\begin{array}{r}
300 \\
\times\ \ 3 \\
\hline
900
\end{array}
\ +\
\begin{array}{r}
60 \\
\times\ 3 \\
\hline
180
\end{array}
\ +\
\begin{array}{r}
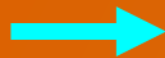2 \\
\times\ 3 \\
\hline
6
\end{array}
$$

$$
\begin{array}{r}
1 \\
900 \\
+\ \ 180 \\
+\ \ \ \ 6 \\
\hline
1,086
\end{array}
$$

362 x 3 = 1,086

**I estimated 1,100.
Is that estimate close?**

One of the reasons that I teach this is that you can do it in your head if you practice enough.

I want you to estimate the next couple of problems.

Or if you can, complete the problem in your head!

531 x 4 =

```
531
x  4
```
→

Estimate this problem
then turn the page to check your answers.

12

531 x 4 =

531
x 4

To estimate this problem I first look at the hundreds and what is being multiplied.

5 hundred times 4 is 2,000.

Then I look at the other digit in the number – 31 – well that's about 120 so my estimate is 2120.

Complete the entire problem then compare your answer to your estimate.

531 x 4 =

$$531 \times 4$$

$$\begin{array}{r} 500 \\ \times\ \ \ 4 \\ \hline 2000 \end{array} + \begin{array}{r} 30 \\ \times 4 \\ \hline 120 \end{array} + \begin{array}{r} 1 \\ \times 4 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 2000 \\ +\ \ 120 \\ +\ \ \ \ \ 4 \\ \hline 2{,}124 \end{array}$$

My estimate: 2,120
Is that close enough?

14

493
x 7
⟶

Estimate this problem!

Uno Más (one more)

493
x 7
———

This estimate is a little different. Last time I rounded down then added up to estimate, this time I will round up before I estimate.

493 is really close to 500.

500 x 7 = 3500.
So I will estimate 3,500.

But since I rounded the numbers up, I know that my estimate will be high.

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Complete the problem and check your answer on the next page.

Uno Más (one more)

$$493 \times 7 \rightarrow$$

$$\begin{array}{r} 400 \\ \times\ 7 \\ \hline 2800 \end{array} + \begin{array}{r} 90 \\ \times\ 7 \\ \hline 630 \end{array} + \begin{array}{r} 3 \\ \times\ 7 \\ \hline 21 \end{array}$$

$$\begin{array}{r} 1 \\ 2800 \\ +\ 630 \\ +\ \ \ 21 \\ \hline 3{,}451 \end{array}$$

My estimate: 3,500
Is that close enough?

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It's a 4-day weekend

4

Please complete these ~~5~~ problems then send me the answers!

Gee – do you think I am excited about a long weekend?

18

1. Estimate then solve.

$$\begin{array}{r} 213 \\ \times\ \ 8 \\ \hline \end{array}$$

→

2. Estimate then solve.

$$987$$
$$\times\ 4$$

3. Estimate then solve.

$$
\begin{array}{r}
621 \\
\times \ 9 \\
\hline
\end{array}
$$

→

4. Estimate then solve.

518
x 2
→

Take your Quizlet Quiz and send it to me with your homework answers.

https://quizlet.com/508399429/week-of-may-18-flash-cards/

Then have a great long, long, long weekend!