



# Classwork 5-12-2020

Today we will work on multiplying larger numbers.

Good morning and Hello from Mrs. Cronin!

**Today is 5/12/2020**

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

**Learning Objectives:** Today we will review how to multiply numbers that have zeros at the end.

**Learning Activities:** PowerPoint, Quizlet

**How We Communicate:** [lcronin@wtps.org](mailto:lcronin@wtps.org) / 856-857-7707

MA.3.OA.C, MA.3.OA.C.7 - MA.4.OA.A - MA.5.NBT.A



**Some of us forgot our old rules!**

**Instead of continuing multiplication,  
we are going to spend a few days on review  
of plop and column addition.**

# Remember plop?

$$\begin{array}{r} 80 \\ \times 6 \\ \hline \end{array}$$



Plop says that When you are multiplying number that end in zero you multiply the “numbers” first then plop in the zeros to the end of the number.

# Plop!

$$\begin{array}{r} 80 \\ \times 6 \\ \hline \end{array}$$



8 & 6

$$8 \times 6 = 48$$

480

## Plop Steps

1. Find the two "numbers" to multiply.
2. Do the multiplication.
3. Plop in the proper number of zeros. Count the number of zeros in the original problem

# Try this one!

$$\begin{array}{r} 70 \\ \times 8 \\ \hline \end{array}$$



## Plop Steps

1. Find the two “numbers” to multiply.
2. Do the multiplication.
3. Plop in the proper number of zeros. Count the number of zeros in the original problem

Follow all the steps then check your answer on the next page.

$$70 \times 8 = ?$$

$$\begin{array}{r} 70 \\ \times 8 \\ \hline \end{array}$$



$$7 \& 8$$



$$7 \times 8 = 56$$



$$560$$



### Plop Steps

1. Find the two "numbers" to multiply.
2. Do the multiplication.
3. Plop in the proper number of zeros. Count the number of zeros in the original problem

Figure out what  $7 \times 8$  is then add the zero – then check your answer.

# How about this one?

$$\begin{array}{r} 40 \\ \times 5 \\ \hline \end{array} \rightarrow$$

## Plop Steps

1. Find the two “numbers” to multiply.
2. Do the multiplication.
3. Plop in the proper number of zeros. Count the number of zeros in the original problem

Figure out what 7 x 8 is then add the zero – then check your answer.



# How about this one?

$$\begin{array}{r} 40 \\ \times 5 \\ \hline \end{array}$$



4 & 5



$$4 \times 5 = 20$$



200



## Plop Steps

1. Find the two "numbers" to multiply.
2. Do the multiplication.
3. Plop in the proper number of zeros. Count the number of zeros in the original problem

# How about this one?

$$\begin{array}{r} 600 \\ \times 3 \\ \hline \end{array}$$



## Plop Steps

1. Find the two “numbers” to multiply.
2. Do the multiplication.
3. Plop in the proper number of zeros. Count the number of zeros in the original problem

Figure out what 7 x 8 is then add the zero – then check your answer.

# How about this one?

$$\begin{array}{r} 600 \\ \times 3 \\ \hline \end{array}$$

Careful!  
The original  
problem has 2  
zeros!

## Plop Steps

1. Find the two “numbers” to multiply.
2. Do the multiplication.
3. Plop in the proper number of zeros. Count the number of zeros in the original problem

# How about this one?

$$\begin{array}{r} 600 \\ \times 3 \\ \hline \end{array}$$



$$6 \ \& \ 3$$



$$6 \times 3 = 18$$



$$1800$$



## Plop Steps

1. Find the two "numbers" to multiply.
2. Do the multiplication.
3. Plop in the proper number of zeros. Count the number of zeros in the original problem

2 zeros in the original problem  
2 zeros in the answer!

# Try this one

$$\begin{array}{r} 7,000 \\ \times 3 \\ \hline \end{array}$$



## Plop Steps

1. Find the two “numbers” to multiply.
2. Do the multiplication.
3. Plop in the proper number of zeros. Count the number of zeros in the original problem

Complete the problem then check your answer.

# Try this one

$$\begin{array}{r} 7,000 \\ \times 3 \\ \hline \end{array}$$



$$7 \text{ \& } 3$$

$$7 \times 3 = 21$$

$$21,000$$

## Plop Steps

1. Find the two "numbers" to multiply.
2. Do the multiplication.
3. Plop in the proper number of zeros. Count the number of zeros in the original problem
4. Add a comma if you would like to.

# Try this one

$$\begin{array}{r} 90,000 \\ \times 6 \\ \hline \end{array}$$



## Plop Steps

1. Find the two “numbers” to multiply.
2. Do the multiplication.
3. Plop in the proper number of zeros. Count the number of zeros in the original problem

Complete the problem then check your answer.

# Try this one

$$\begin{array}{r} 90,000. \\ \times 6 \\ \hline \end{array}$$



Careful!  
How many  
zeros?

## Plop Steps

1. Find the two "numbers" to multiply.
2. Do the multiplication.
3. Plop in the proper number of zeros. Count the number of zeros in the original problem

Complete the problem then check your answer.



# Try this one

$$\begin{array}{r} 90,000 \\ \times 6 \\ \hline \end{array}$$



$$9 \ \& \ 6$$

$$9 \times 6 = 54$$

$$540,000$$

## Plop Steps

1. Find the two "numbers" to multiply.
2. Do the multiplication.
3. Plop in the proper number of zeros. Count the number of zeros in the original problem

Always write the whole number first,  
then add the comma last!

$$90,000 \times 6 = 54 \text{ with 4 zeros}$$

Write that:

540000

Then add the comma or commas

540,000



Count 3 spaces from the zero.

# Try this one

$$\begin{array}{r} 700 \\ \times 60 \\ \hline \end{array}$$



## Plop Steps

1. Find the two "numbers" to multiply.
2. Do the multiplication.
3. Plop in the proper number of zeros. Count the number of zeros in the original problem

Complete the problem then check your answer.

# Try this one

$$\begin{array}{r} 700. \\ \times 60 \\ \hline \end{array}$$



Careful!  
Count all the zeros  
in the whole problem!  
This one has 3!

## Plop Steps

1. Find the two "numbers" to multiply.
2. Do the multiplication.
3. Plop in the proper number of zeros. Count the number of zeros in the original problem

Complete the problem then check your answer.

# Try this one

$$\begin{array}{r} 700 \\ \times 60 \\ \hline \end{array}$$



$$7 \ \& \ 6$$

$$7 \times 6 = 42$$

$$42000$$

$$42,000$$

## Plop Steps

1. Find the two "numbers" to multiply.
2. Do the multiplication.
3. Plop in the proper number of zeros. Count the number of zeros in the original problem

# Try this one

$$\begin{array}{r} 700 \\ \times 60 \\ \hline \end{array}$$



$$7 \ \& \ 6$$

$$7 \times 6 = 42$$

$$42000$$

$$42,000$$

## Plop Steps

1. Find the two "numbers" to multiply.
2. Do the multiplication.
3. Plop in the proper number of zeros. Count the number of zeros in the original problem



Please complete these 5 problems  
then send me the answers!

# 1. What is $600 \times 3$ ?

$$\begin{array}{r} 600 \\ \times 3 \\ \hline \end{array}$$



## Plop Steps

1. Find the two “numbers” to multiply.
2. Do the multiplication.
3. Plop in the proper number of zeros. Count the number of zeros in the original problem



## 2. What is $50 \times 7$ ?

$$\begin{array}{r} 50 \\ \times 7 \\ \hline \end{array}$$



### Plop Steps

1. Find the two “numbers” to multiply.
2. Do the multiplication.
3. Plop in the proper number of zeros. Count the number of zeros in the original problem

### 3. What is $30 \times 70$ ? Careful! Count all the zeros!

$$\begin{array}{r} 30 \\ \times 70 \\ \hline \end{array}$$



#### Plop Steps

1. Find the two "numbers" to multiply.
2. Do the multiplication.
3. Plop in the proper number of zeros. Count the number of zeros in the original problem

## 4. What is $30,000 \times 7$ ?

$$\begin{array}{r} 30,000 \\ \times 7 \\ \hline \end{array}$$



### Plop Steps

1. Find the two "numbers" to multiply.
2. Do the multiplication.
3. Plop in the proper number of zeros. Count the number of zeros in the original problem

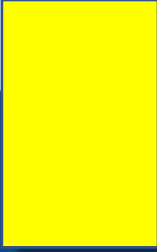
## 5. What is $700 \times 70$ ? Careful! Count all the zeros!

$$\begin{array}{r} 700 \\ \times 70 \\ \hline \end{array}$$



### Plop Steps

1. Find the two "numbers" to multiply.
2. Do the multiplication.
3. Plop in the proper number of zeros. Count the number of zeros in the original problem



**Write down the answers  
and send me a picture!**

**then 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!**