



Classwork 4-30-2020

Today we will practice multiplying and dividing by 10 and 100 work on the place value chart.



Lesson Plans: 4/30/2020

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

Learning Objectives: Today we will practice multiplying and dividing by 10 and 100 work on the place value chart.

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

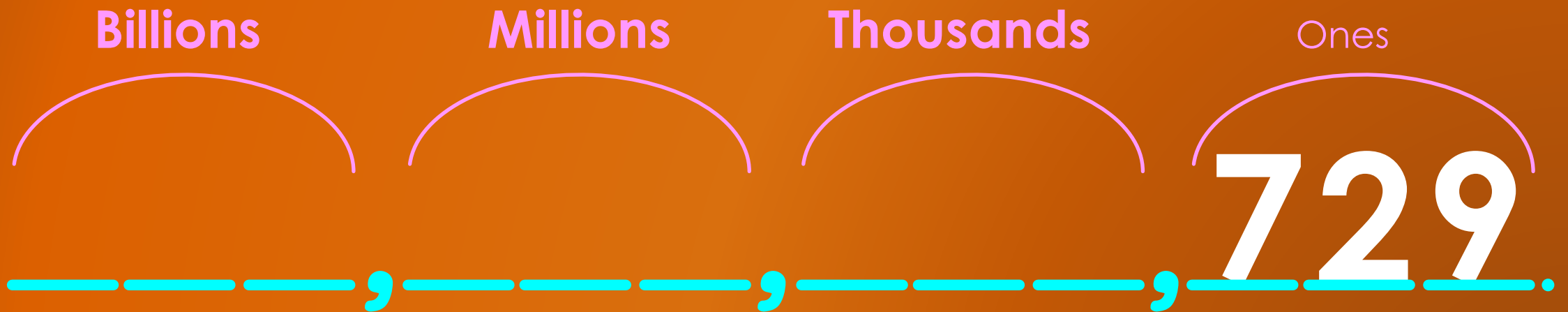
How I will see/check your work: please email or text me your answers and tell me how you are doing

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



Quick review practice
Multiply this number by 100



Do the math then check the next page for the answer.

Did you get it?

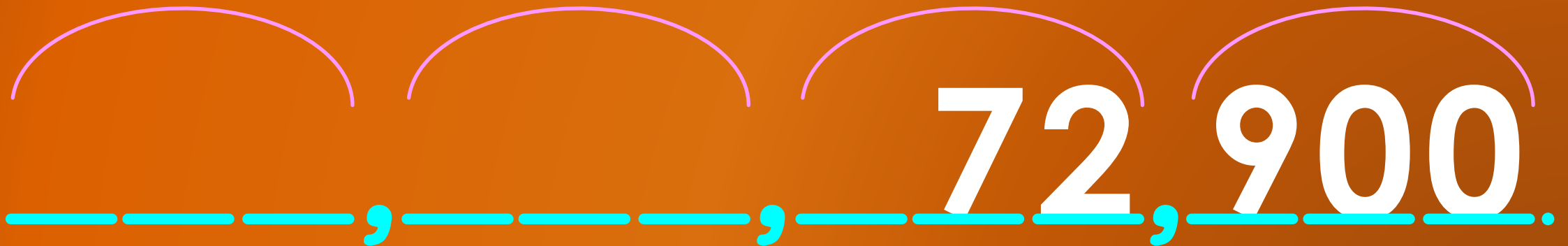


Billions

Millions

Thousands

Ones

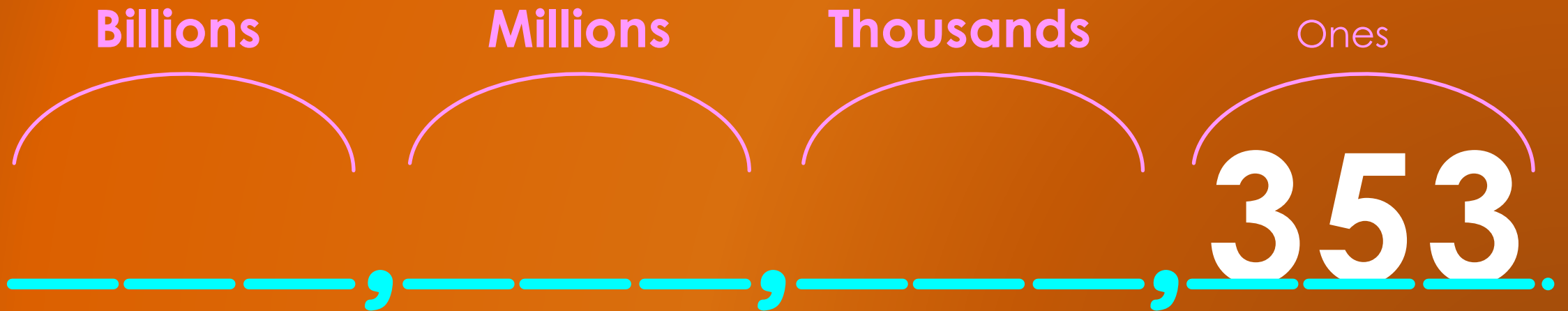


Do the math then check the next page for the answer.



Quick review practice

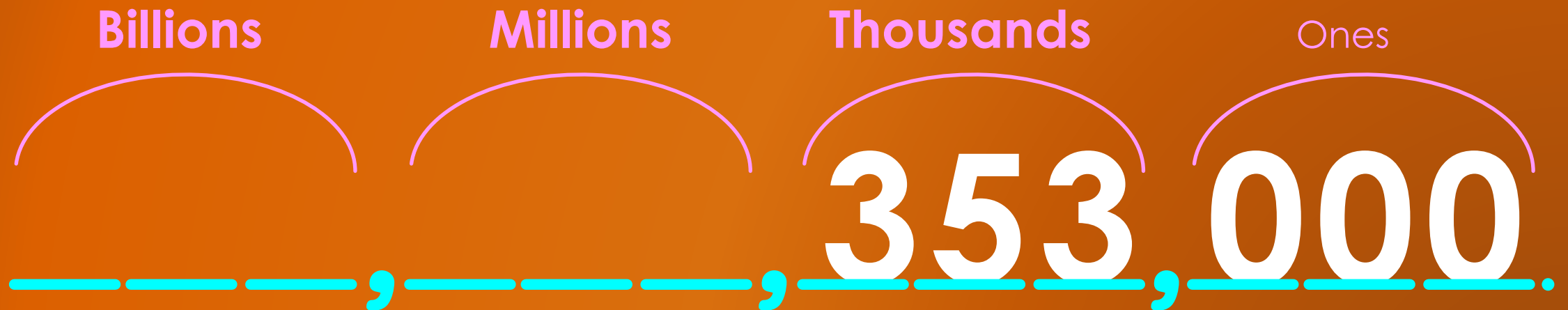
Multiply this number by 1000



Do the math then check the next page for the answer.

Did you get it?

The question asked you to multiply by 1000 which has 3 zeros – so the answer also has 3 zeros

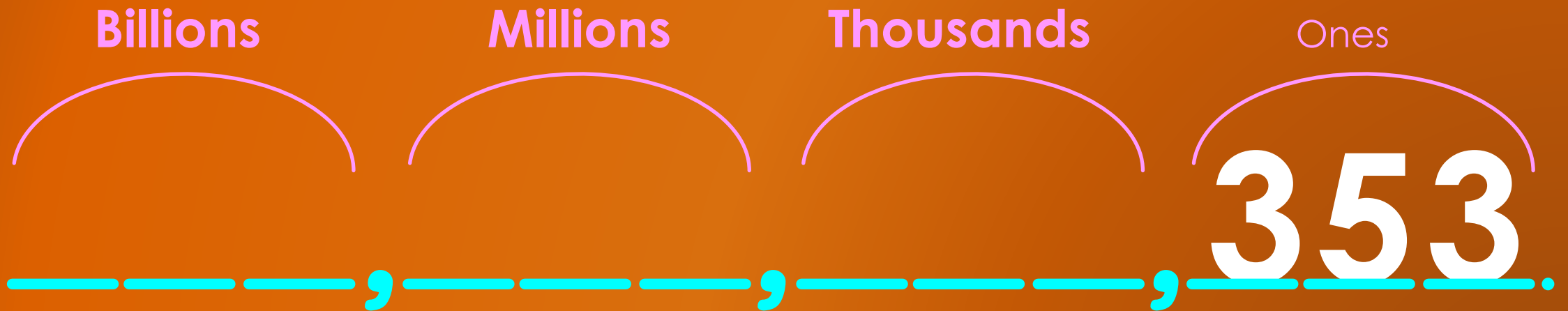


Do the math then check the next page for the answer.



Quick review practice

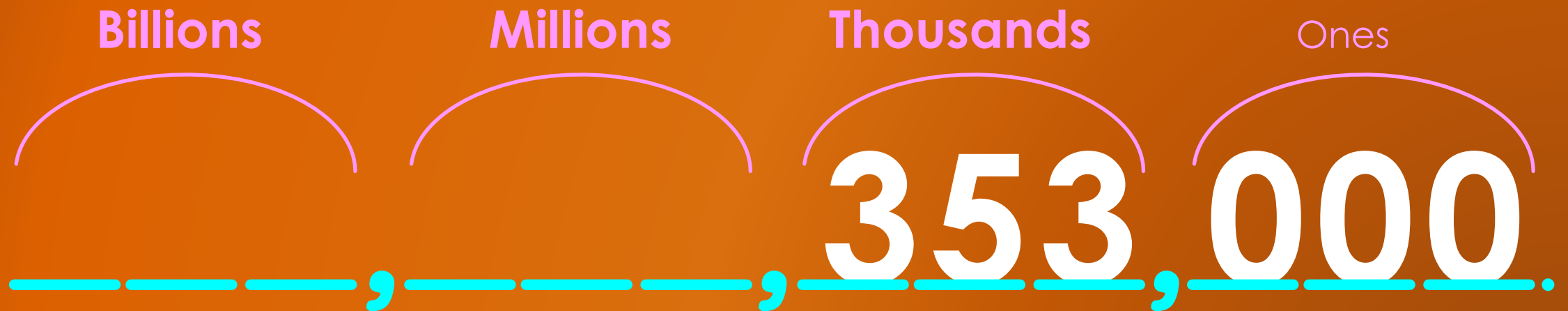
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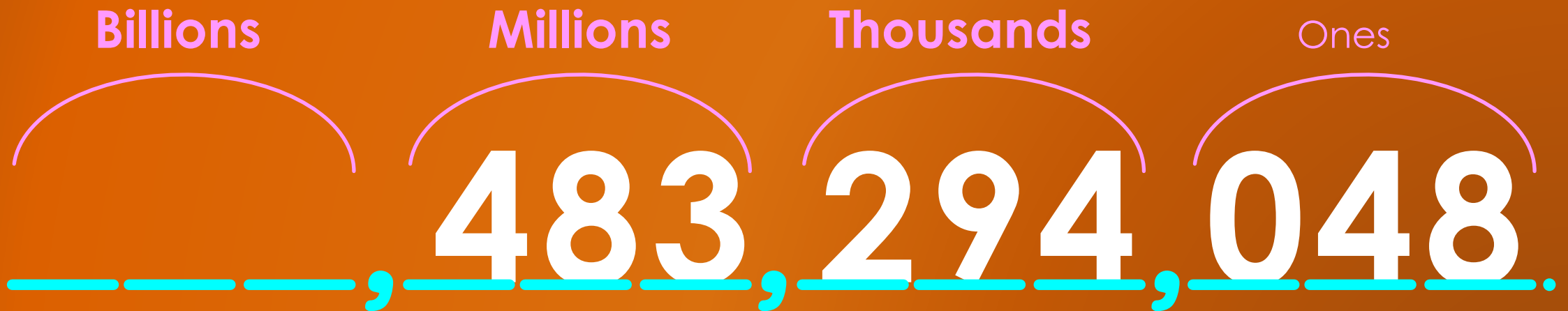


Do the math then check the next page for the answer.



Quick review practice

Multiply this number by 100



Do the math then check the next page for the answer.

I knew you could do this.



Billions

Millions

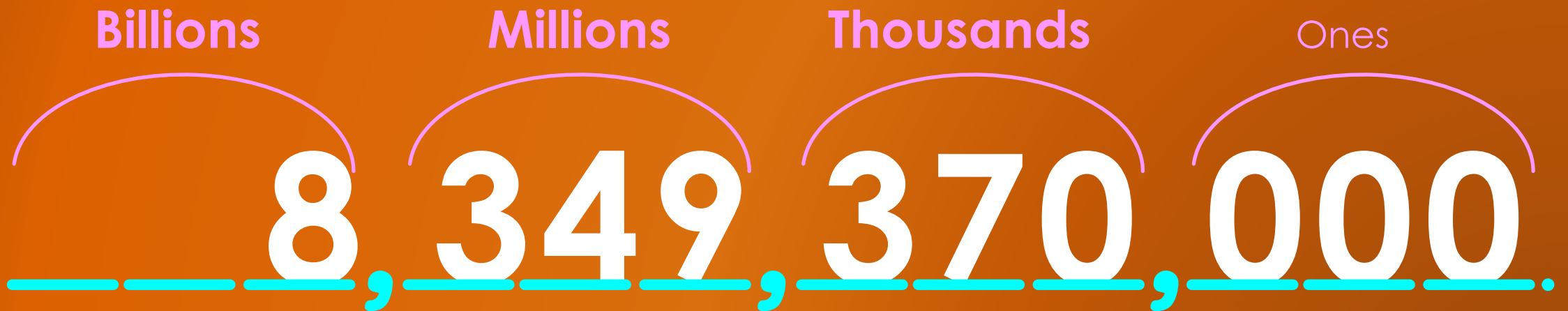
Thousands

Ones

48,329,404,800

Do the math then check the next page for the answer.

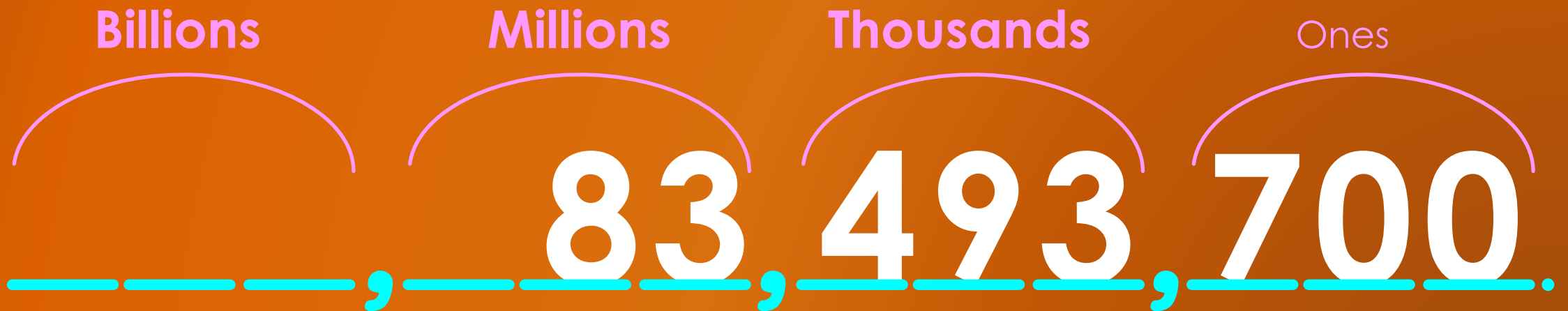
Since you are so smart...
Divide this number by 100



Do the math then check the next page for the answer.

Did you get it?

Division is the opposite of multiplication.
To Divide by 100 you need to take away 2 zeros!



Do the math then check the next page for the answer.



Wait!

Did you see that?



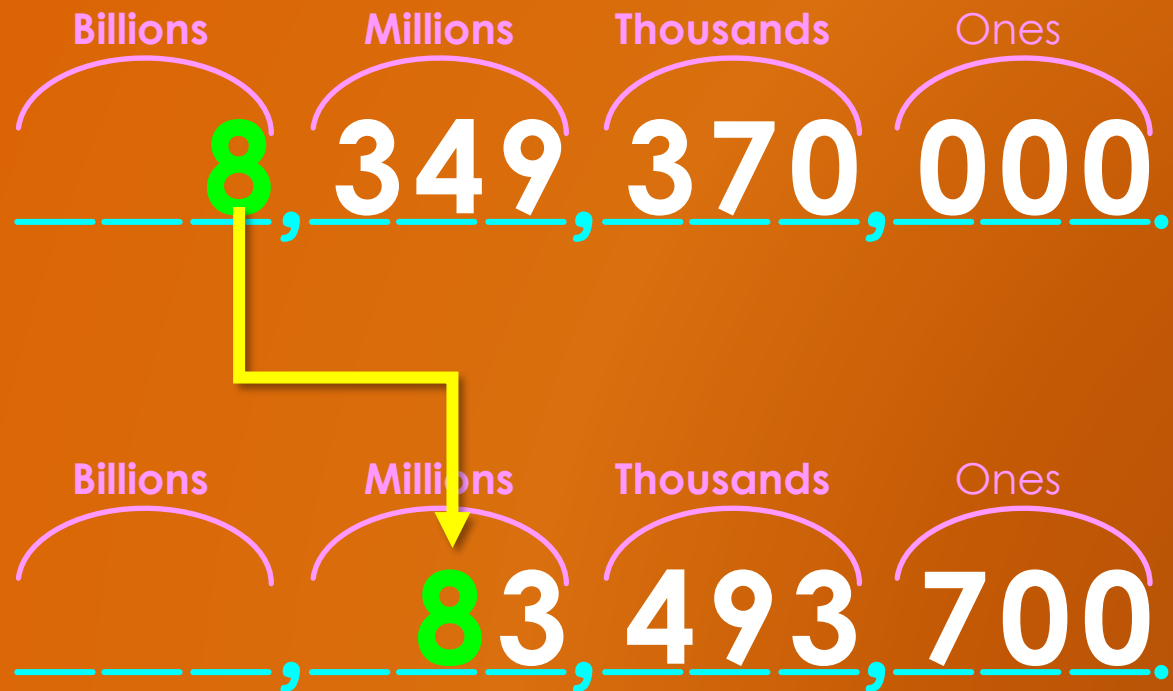
No Mrs. Cronin
What should I have seen?



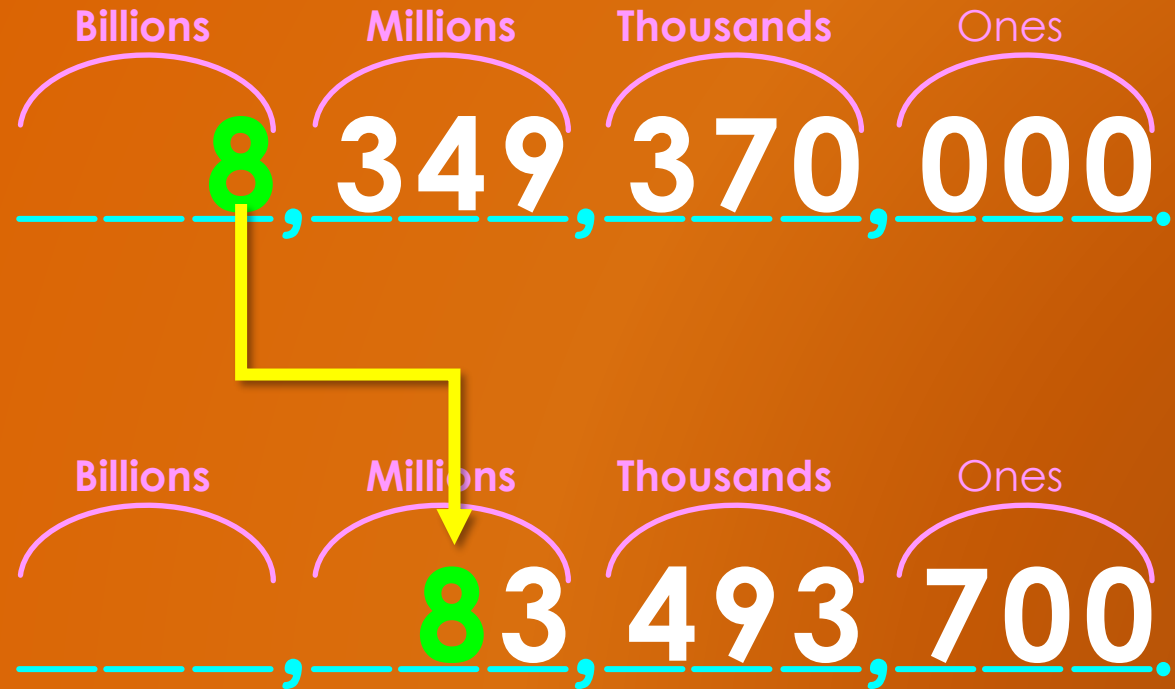
Well, since you asked...

You should have seen that the number shifted to the left with multiplication, but it shifted to the right for division!

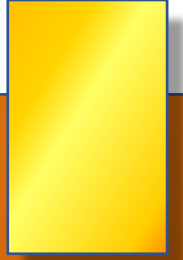
You were supposed to
divide 8,349,370,000 by 100
Look at the first digit – the 8



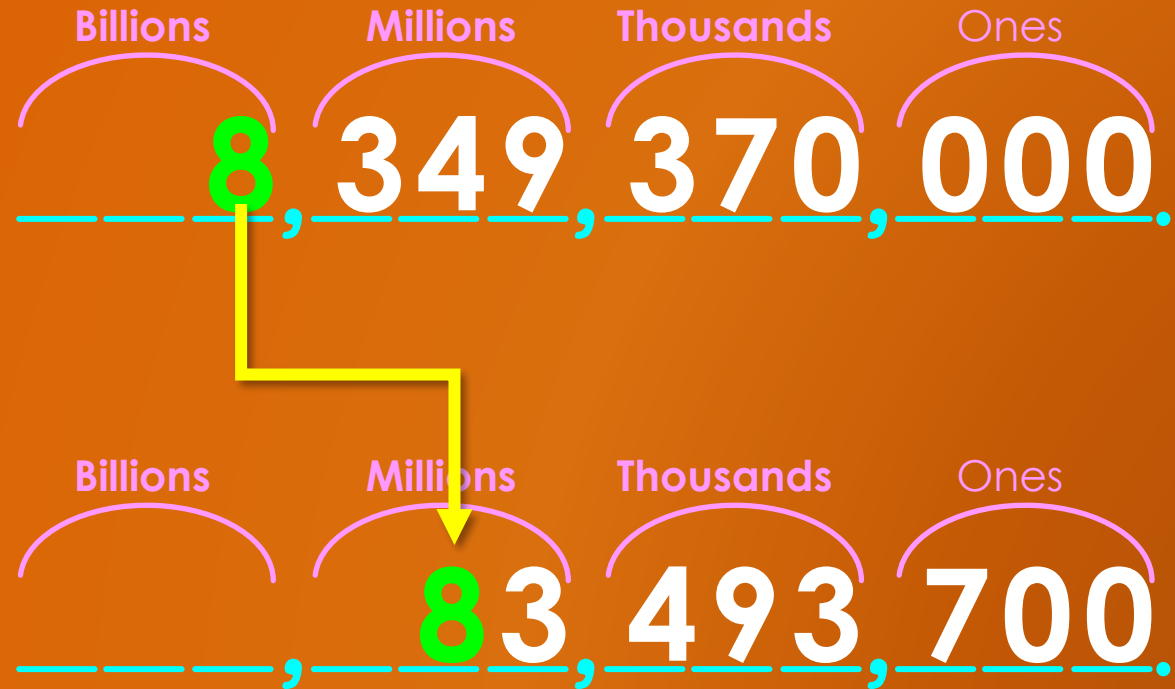
How many place values did it move when you divided by 100?



2!

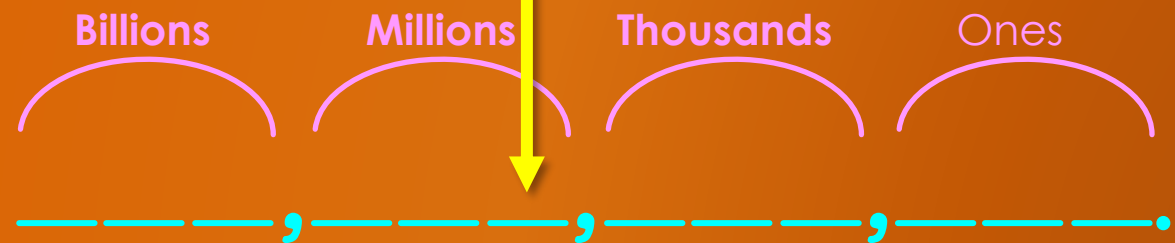


Well look at that Mrs. Cronin – it moved 2 place values to the right!



Can you move this number to the right by 2 decimal places?

Write this number down, then shift it.

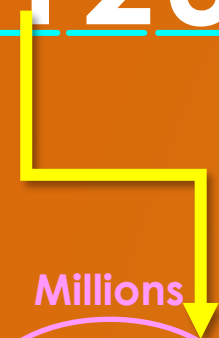


Do the math then check the next page.

Did you get it?

Billions Millions Thousands Ones
_____, 123, 456, 000.

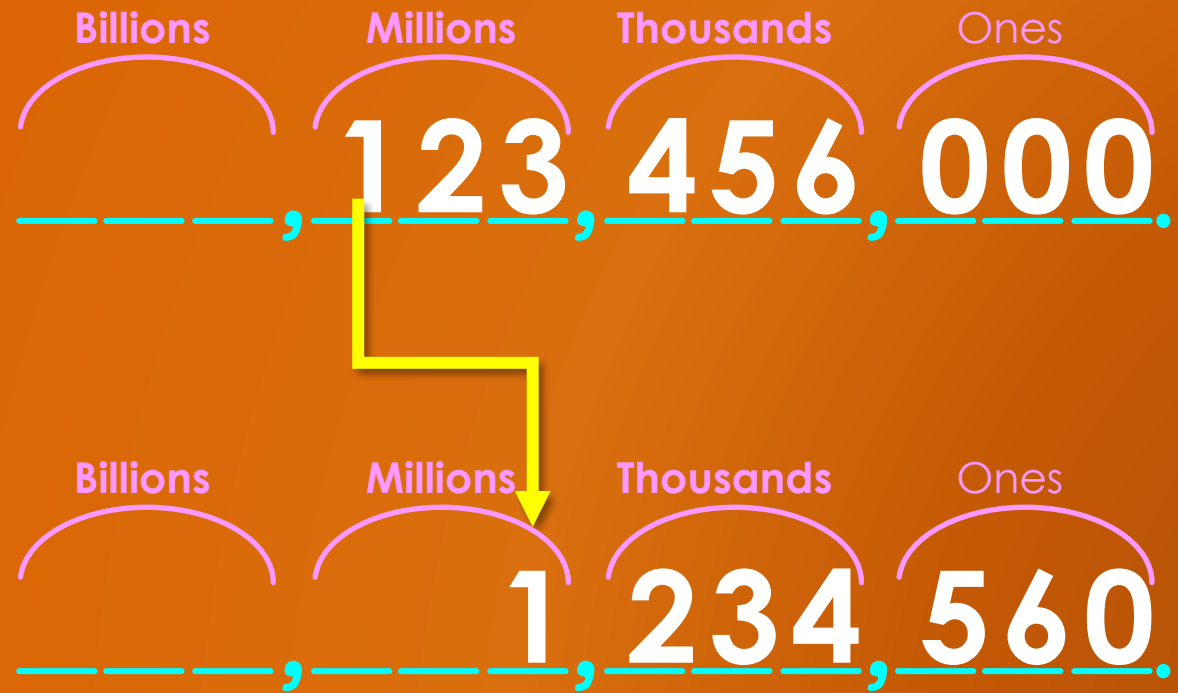
Billions Millions Thousands Ones
_____, 1, 234, 560.





What is the equation for what you just did?

You moved the place value to the right by 2 zeros.



$$123,456,000 \div 100$$

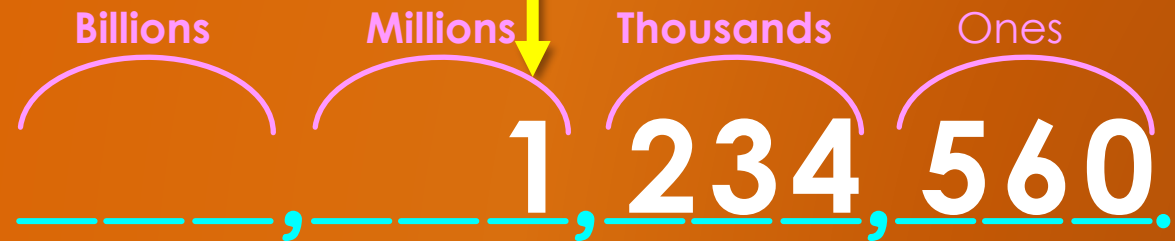
Billions Millions Thousands Ones

_____, 123, 456, 000.

The diagram shows the number 123,456,000 with place value labels: Billions (above the first blank), Millions (above 123), Thousands (above 456), and Ones (above 000). Pink arcs group the digits under each label. A yellow arrow starts from the comma between the Millions and Thousands groups and points down to the Millions group in the result below.

Billions Millions Thousands Ones

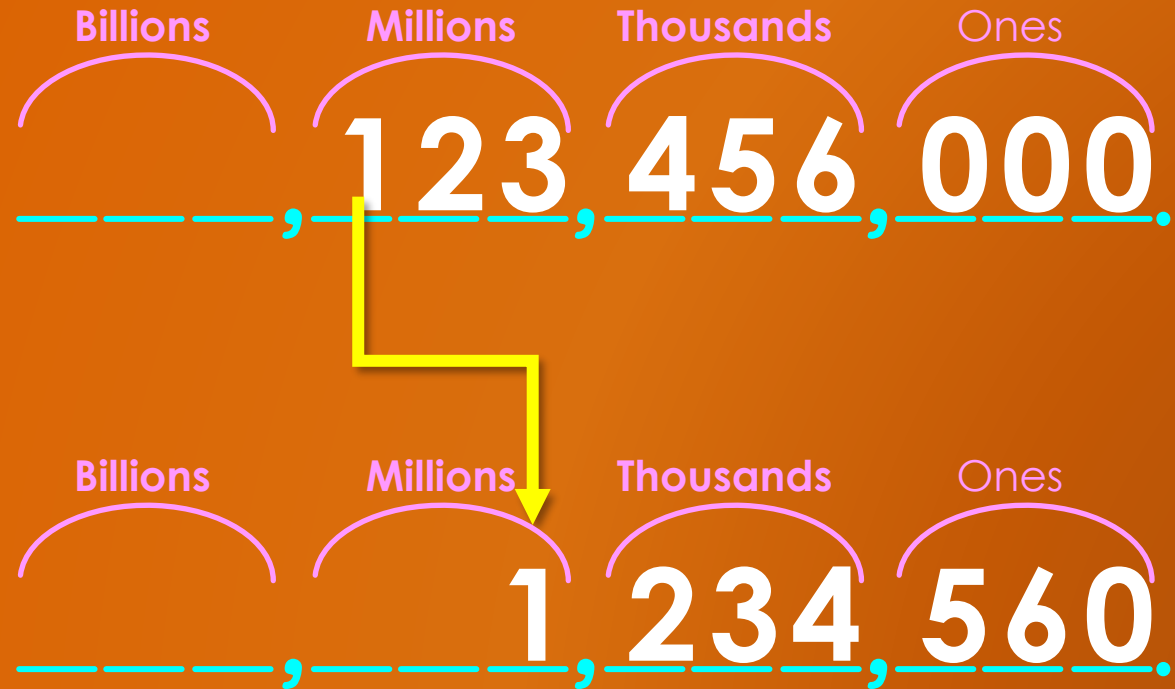
_____, 1, 234, 560.

The diagram shows the result 1,234,560 with place value labels: Billions (above the first blank), Millions (above 1), Thousands (above 234), and Ones (above 560). Pink arcs group the digits under each label.

Use the clues.

The number moved right by two decimal places – so it must be division.

And 2 decimal places is equal to a 1 with 2 zeros which is a 100



Let's look at the clues again

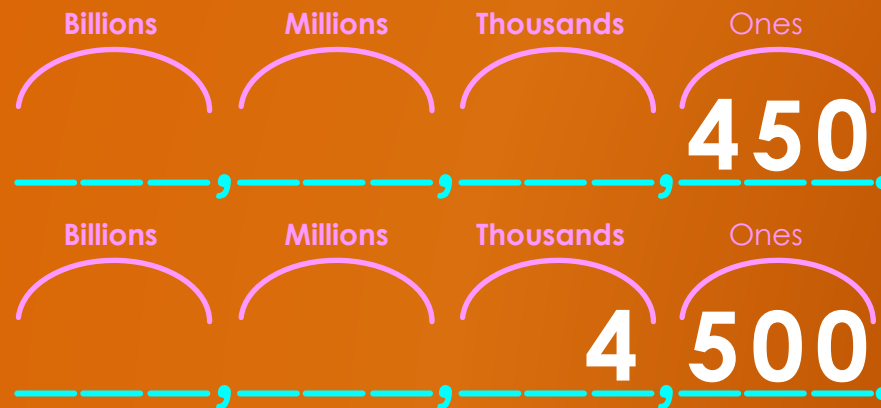
Multiplication moves the number on the place value chart to the left.

Let's look at the clues again

Multiplication moves the number on the place value chart to the left.

$$450 \times 10 = 4500$$

The 4 moved from the one hundred place to the one thousand place.





Multiply moves left by the number of zeros.

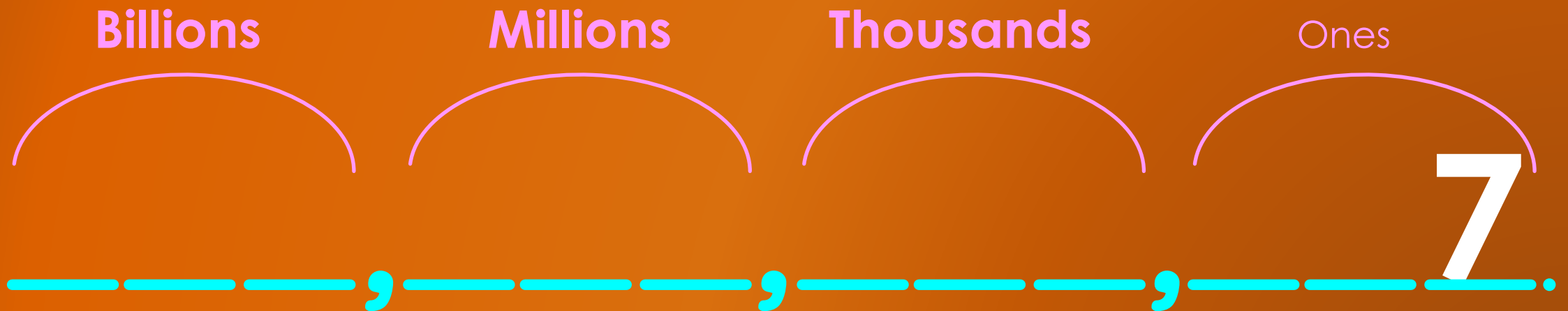
Divide moves right by the number of zeros.



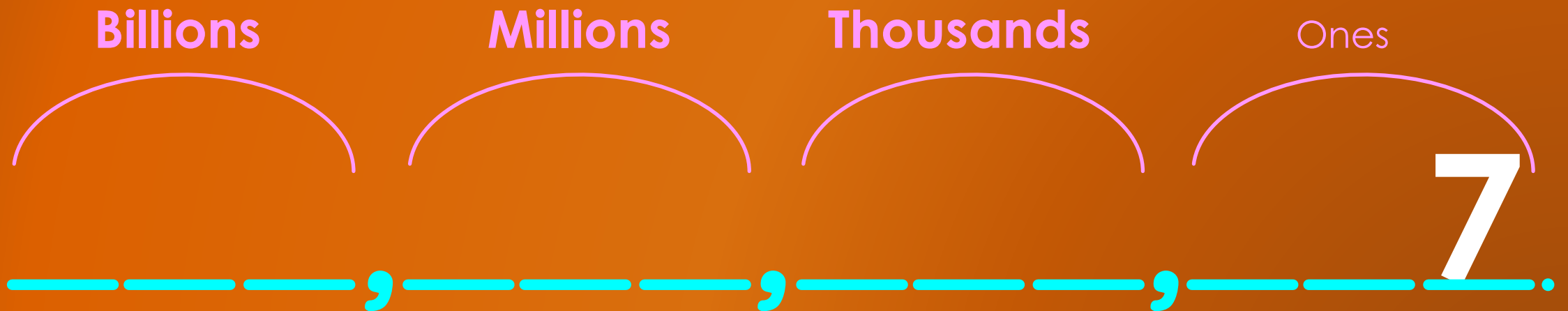
Multiply moves left by the number of zeros.

Divide moves right by the number of zeros.

Move this number to the left by one place value, then write the equation.



Move this number to the left by two place values, then write the equation.

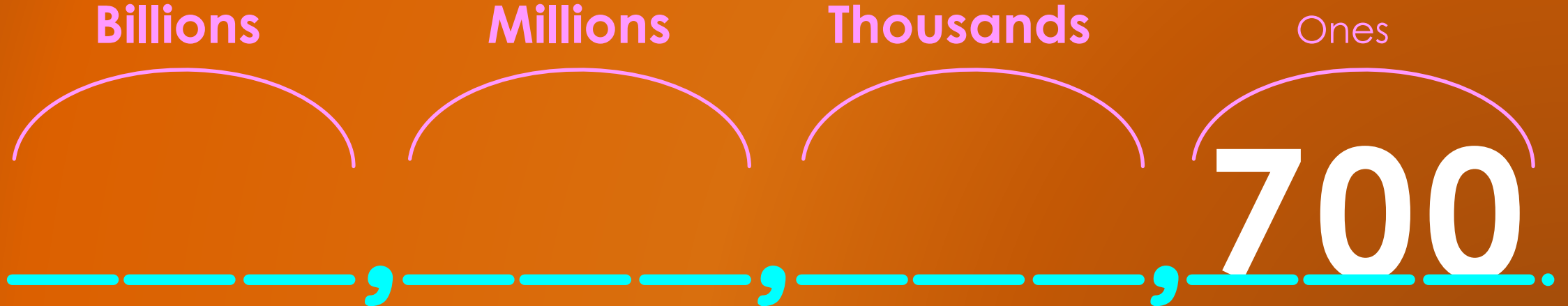




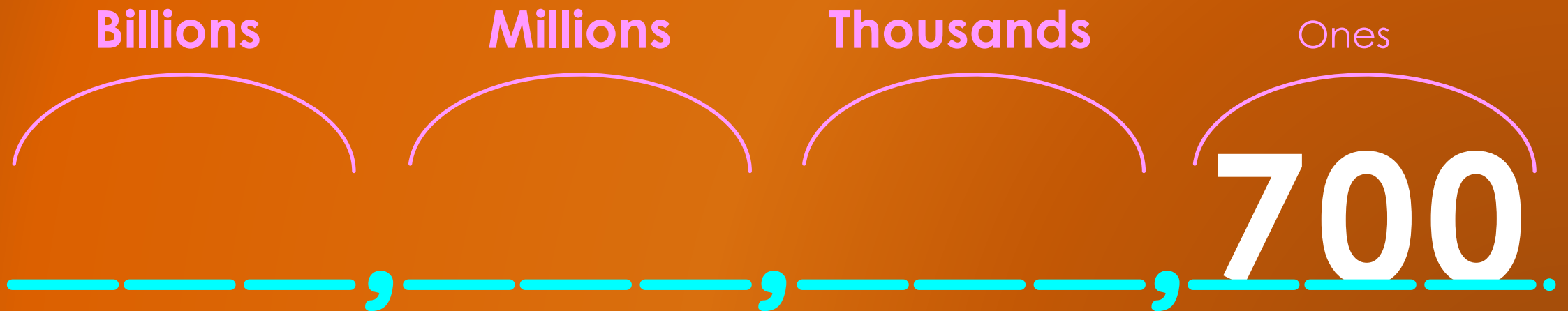
Left means multiply.

Two place means two zeros added to a 1
so... 1 plus 2 zeros = 100

$$7 \times 100 = 700$$



Move this number to the right by one place value, then write the equation.

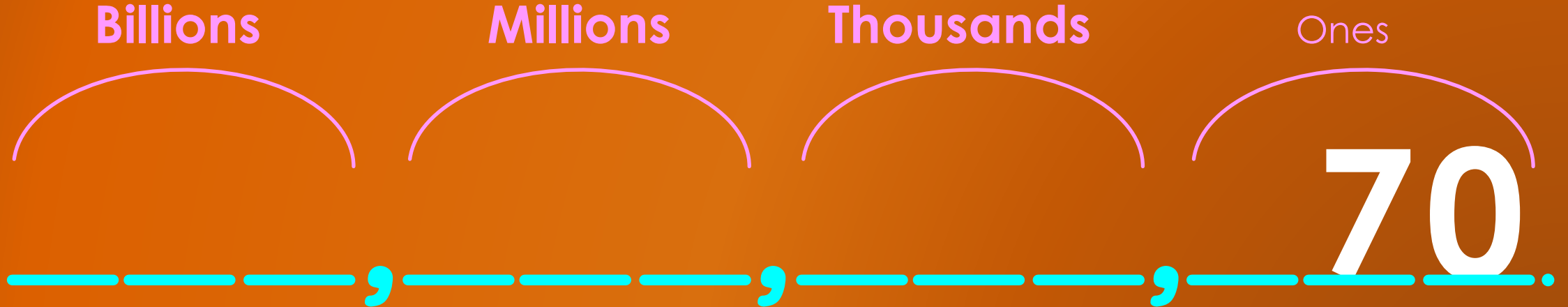




Right means divide.

One place means one zero added to a 1
so... 1 plus 1 zero = 10

$$700 \div 10 = 70$$



Only three questions today.

Complete the next slide and send me a picture.

Write each of the numbers
then shift the place value by one place to the left.

For example:

546 Shifted left by one place \longrightarrow **5,460**

345 Shifted left by one place \longrightarrow _____

18 _____

140 _____



**Send me a picture of those numbers
then work on Quizlet:**

<https://quizlet.com/503636153/week-of-4-27-flash-cards/>

Then spend 10 minutes on First-In-Math