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://lynncronin.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

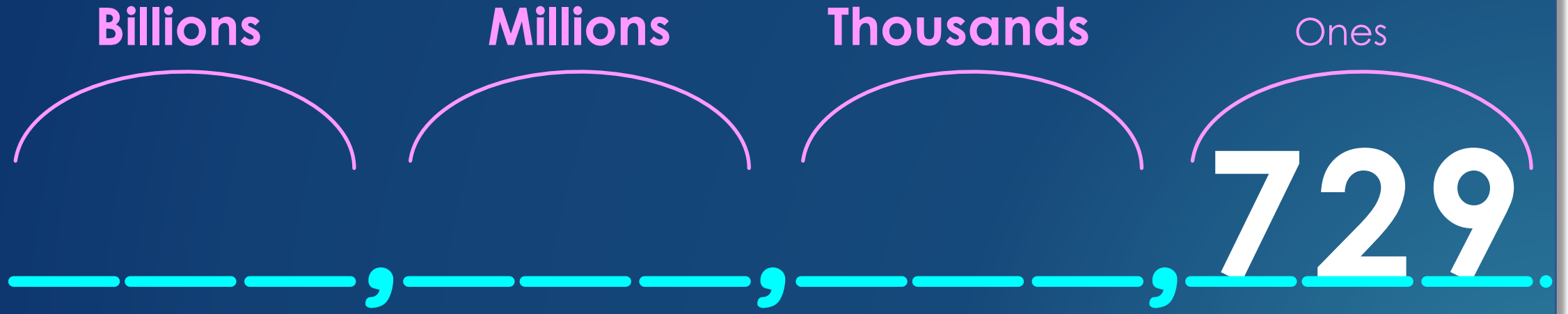
How I will see/check your work: please email or text me your answers and tell me how you are doing

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

Grade 3 - MA.3.NBT.A, MA.3.NBT.A.1, MA.3.NBT.A.2, MA.3.NBT.A.3, MA.3.NF.A

Quick review practice

Multiply this number by 100



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

Did you get it?

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

Quick review practice

Multiply this number by 1000

Billions | Millions | Thousands | Ones

_ _ _ , _ _ _ , _ _ _ , 353.

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

Billions	Millions	Thousands	Ones
___	___	353	000

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

Quick review practice

Multiply this number by 1000

Billions | Millions | Thousands | Ones

_ _ _ , _ _ _ , _ _ _ , 353.

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

Billions	Millions	Thousands	Ones
___	___	353	000

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

Quick review practice

Multiply this number by 100

Billions	Millions	Thousands	Ones
____,	483,	294,	048.

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

Billions	Millions	Thousands	Ones
8	349	370	000

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!

Billions	Millions	Thousands	Ones
____,	83,	493,	700.

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

Wait!
Did you see that?

No Mrs. Cronin

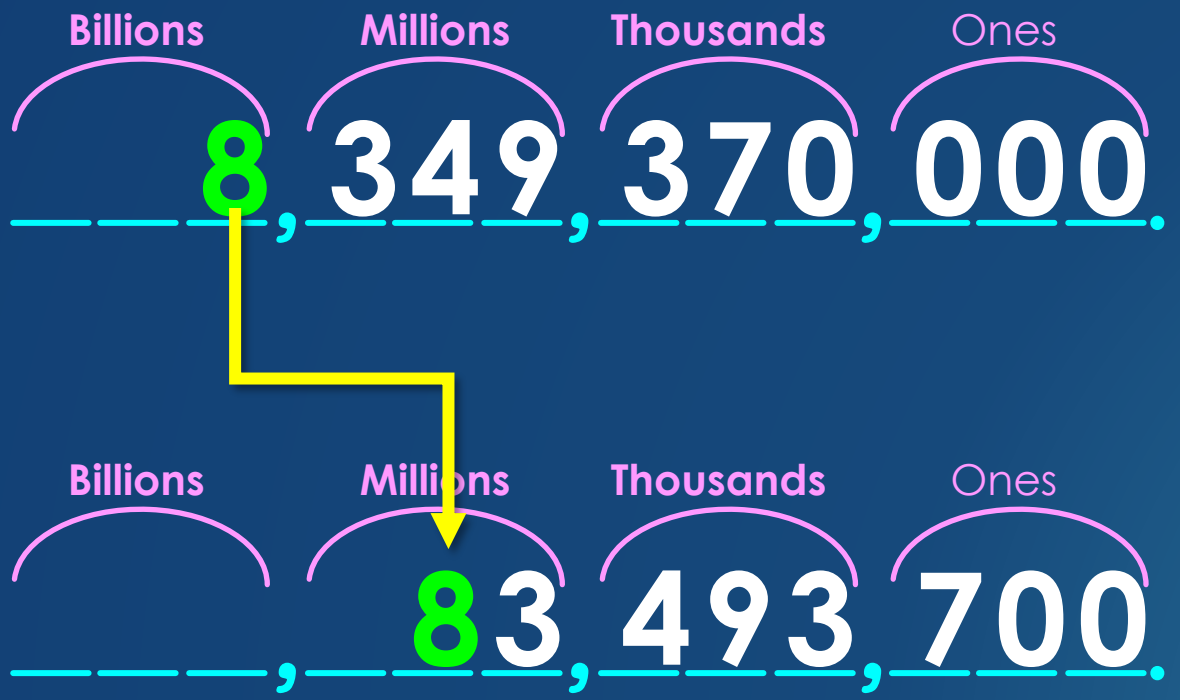
What should I have seen?

Well, since you asked…

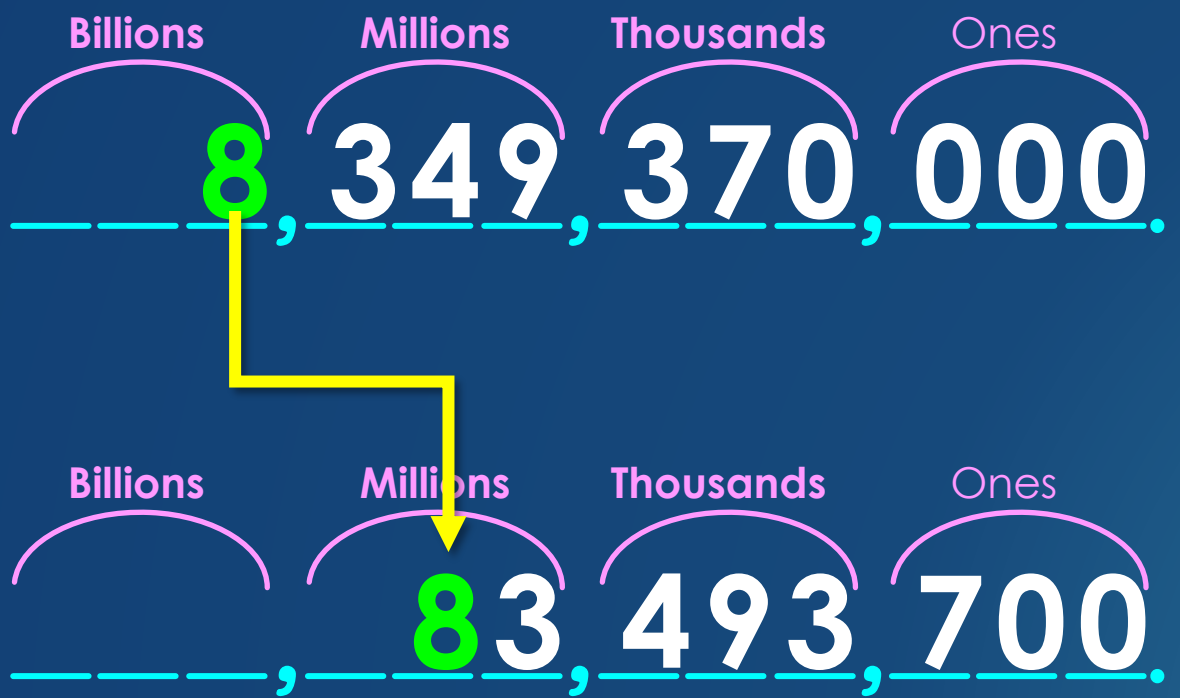
You should have seen that the number shifted to the left with multiplication, but it shifted to the right for division!

You were supposed to divide 8,349,370,000 by 100

Look at the first digit – the 8

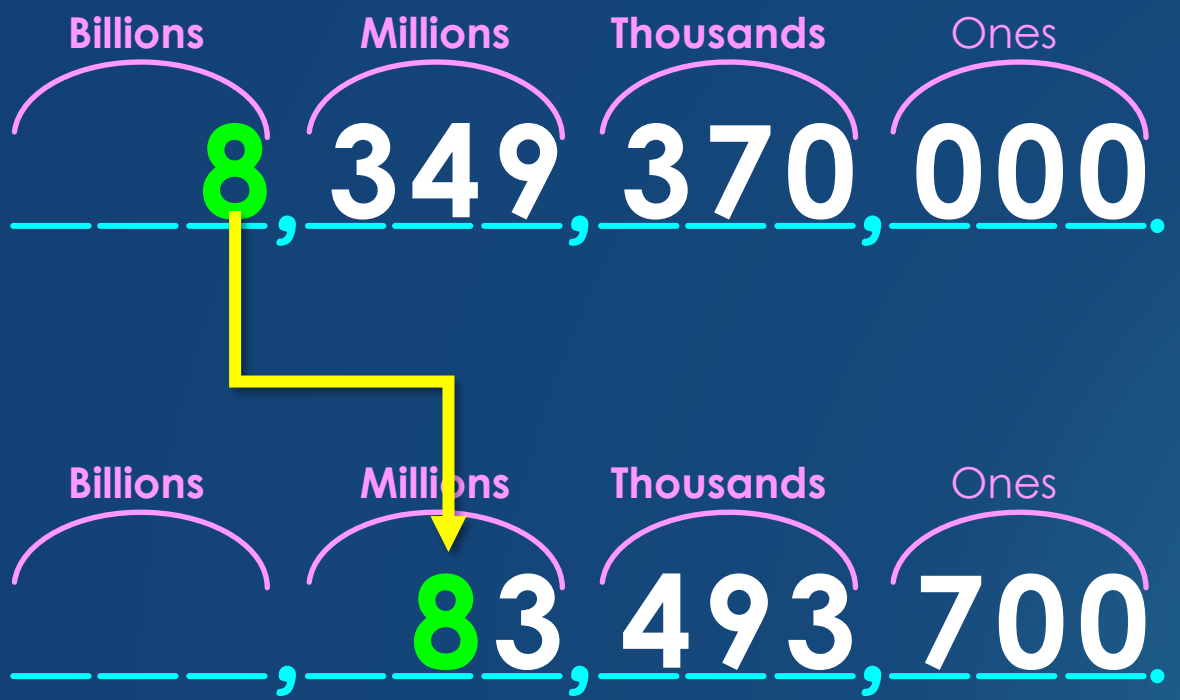


How many place values did it move when you divided by 100?



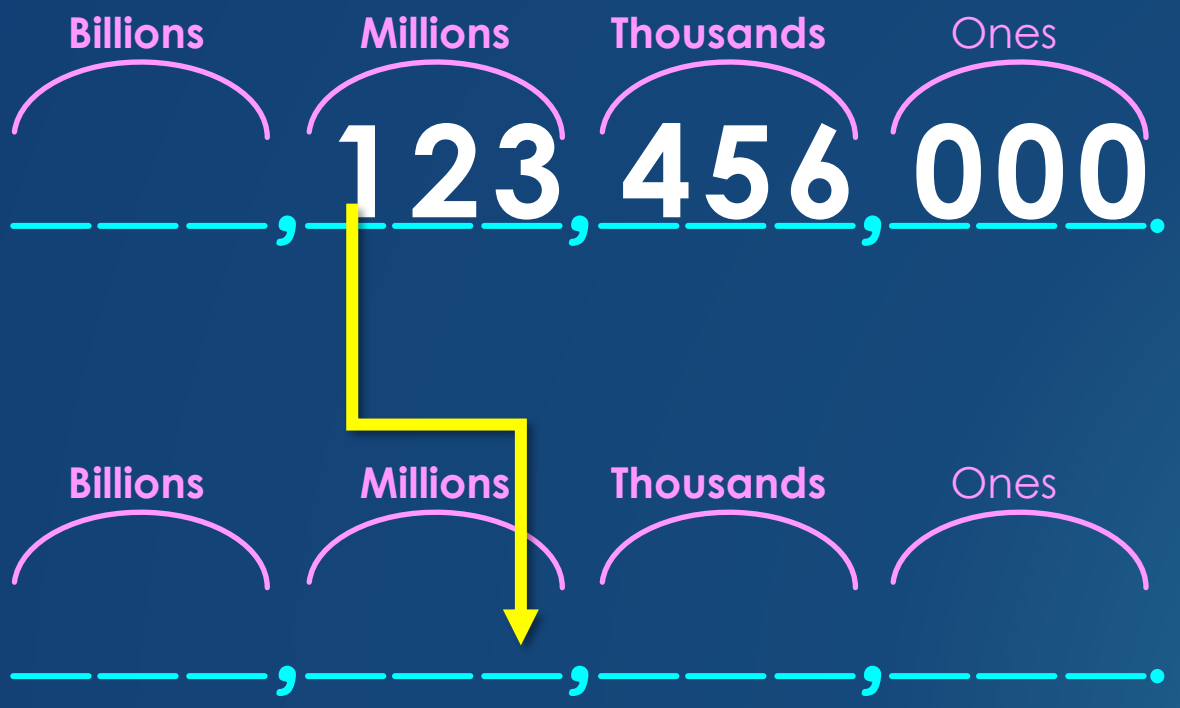
2!

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



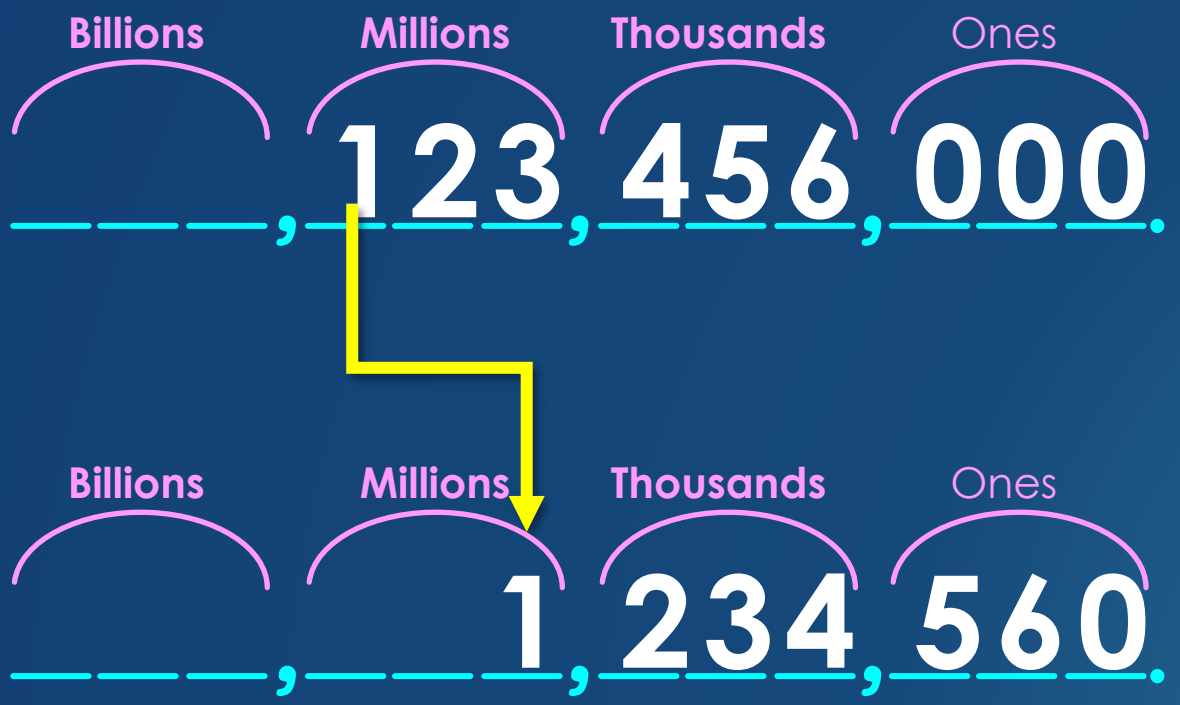
Can you move this number to the right by 2 decimal places?

Write this number down, then shift it.



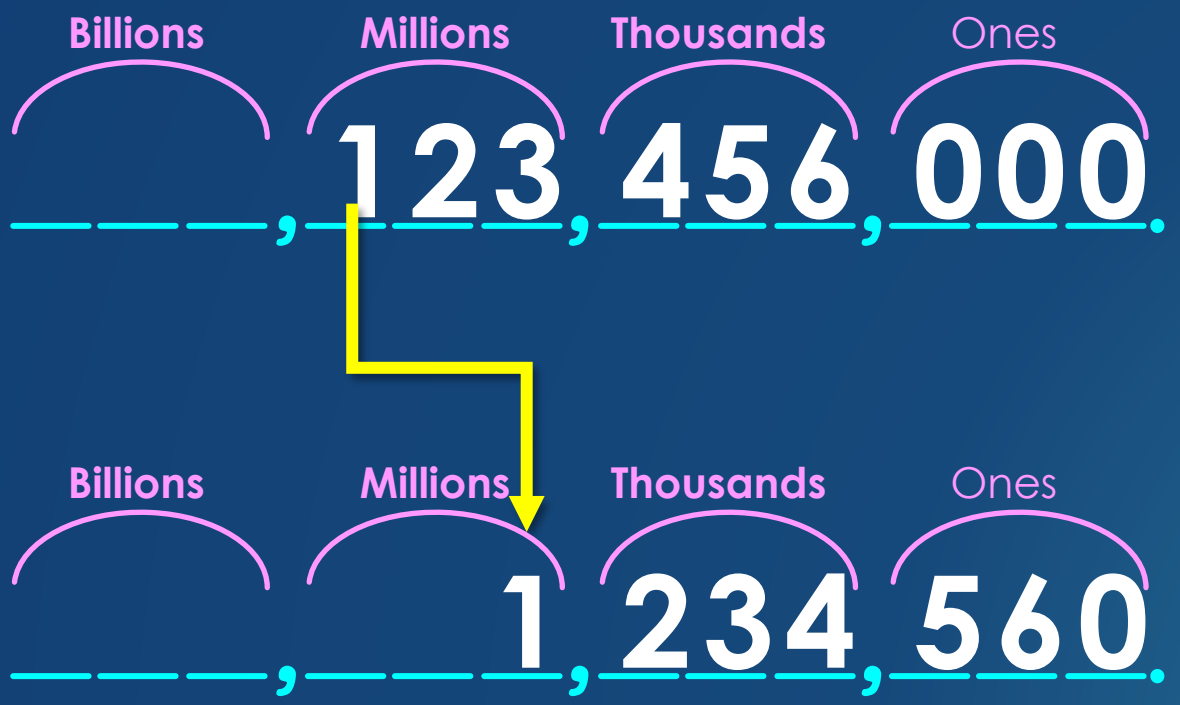
Do the math then check the next page.

Did you get it?

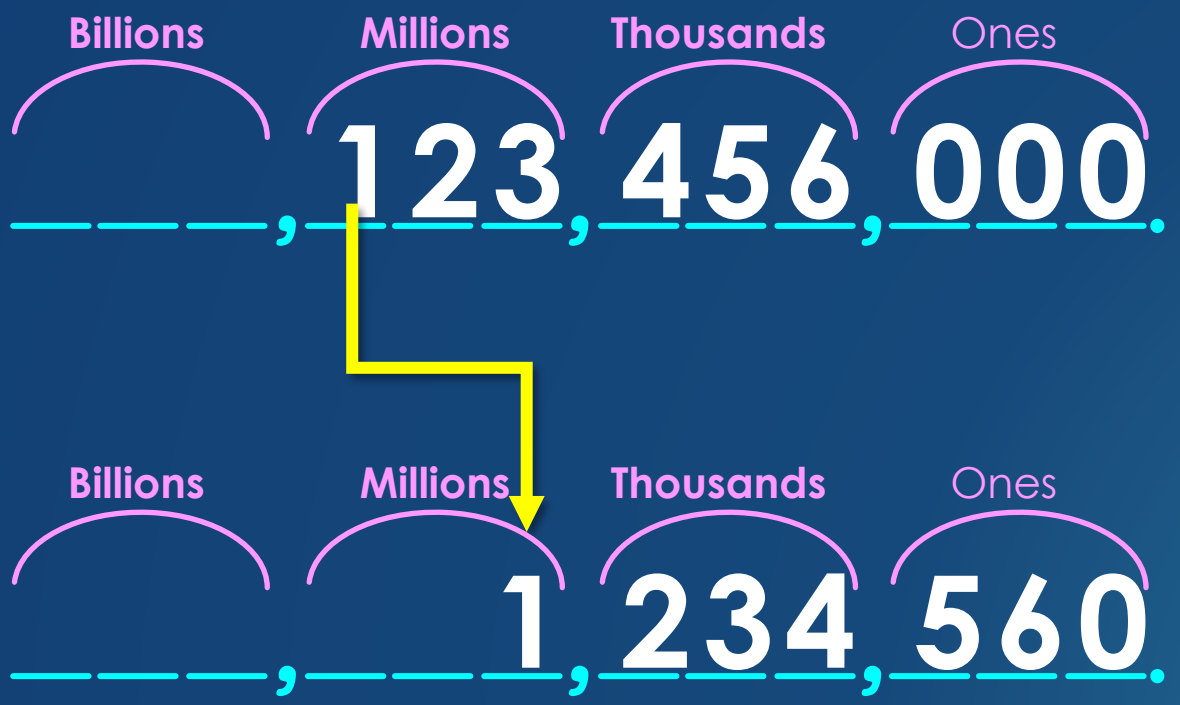


What is the equation for what you just did?

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



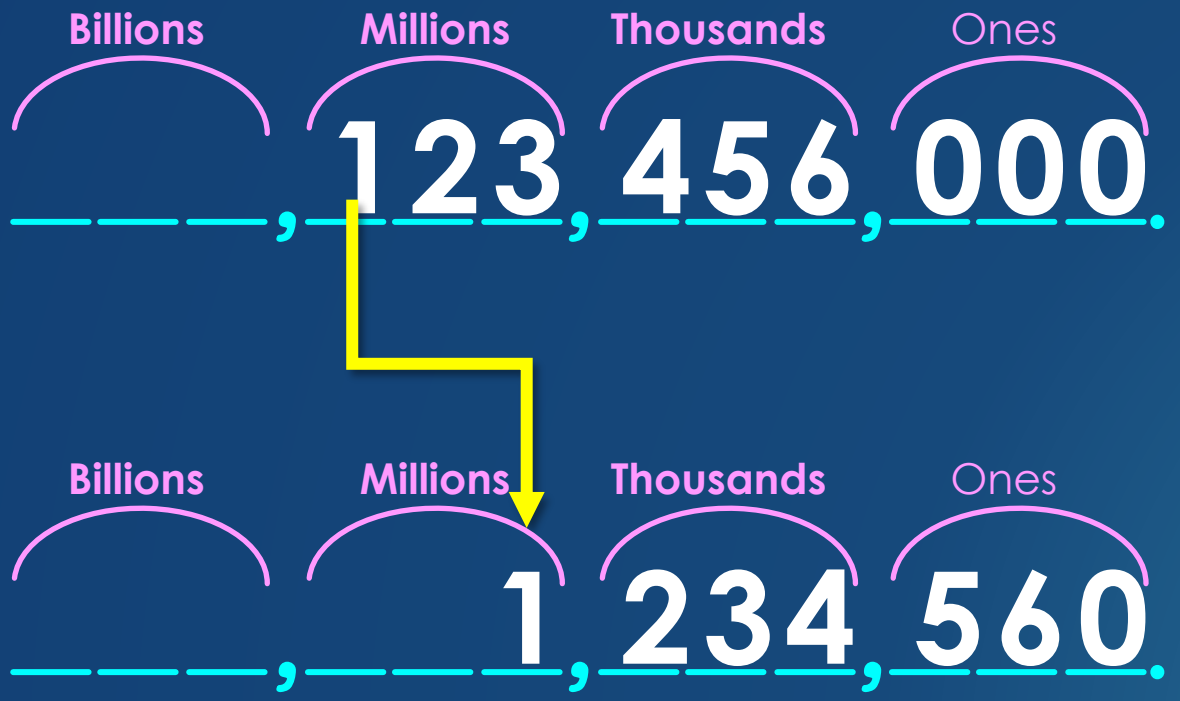
123,456,000 ÷ 100



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 x 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.

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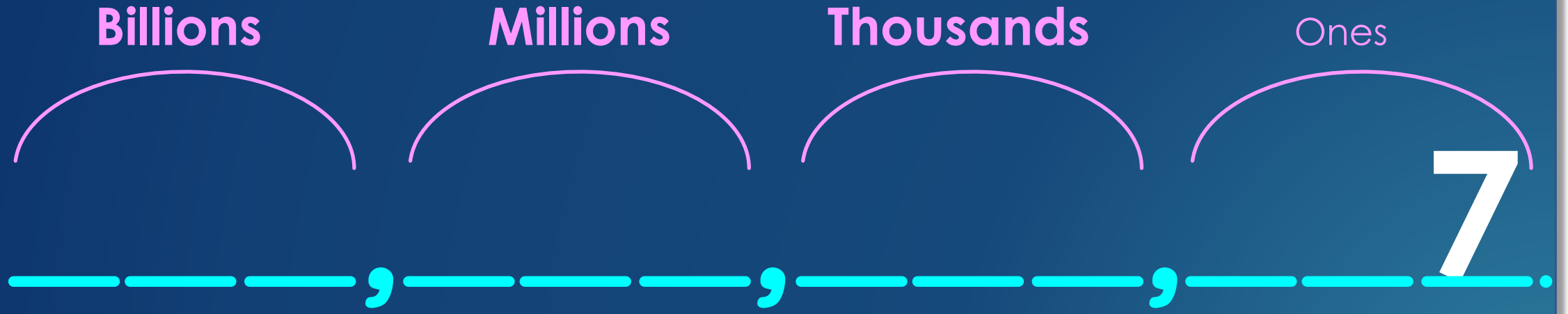
Divide moves right by the number of zeros.

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

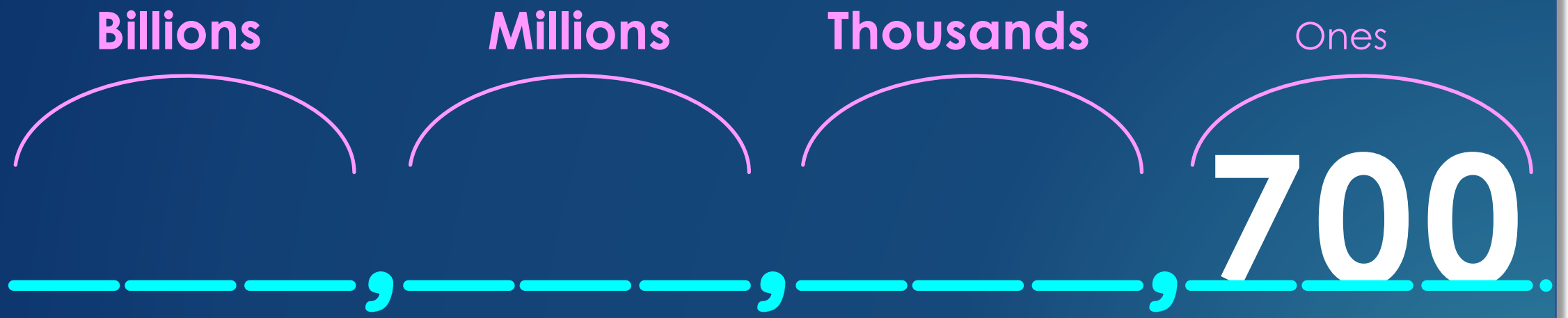


Move this number to the left by two place values, then write the equation.

Left means multiply.

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

$$7 \times 100 = 700$$

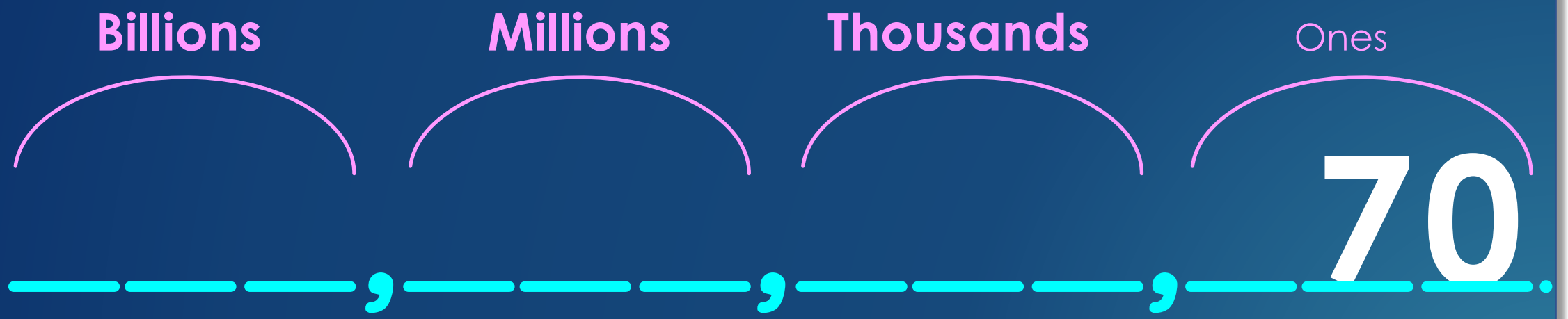


Move this number to the right by one place value, then write the equation.

Right means <u>divide</u>.

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 <u>one</u> place to the left.

For example:

546 Shifted left by one place → 5,460

345 Shifted left by one place → _____

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