



# Classwork 4-29-2020

Today we will learn how multiplying by 10 and 100 work on the place value chart.



**Lesson Plans:** 4/29/2020

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

**Learning Objectives:** Today we will learn how multiplying 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

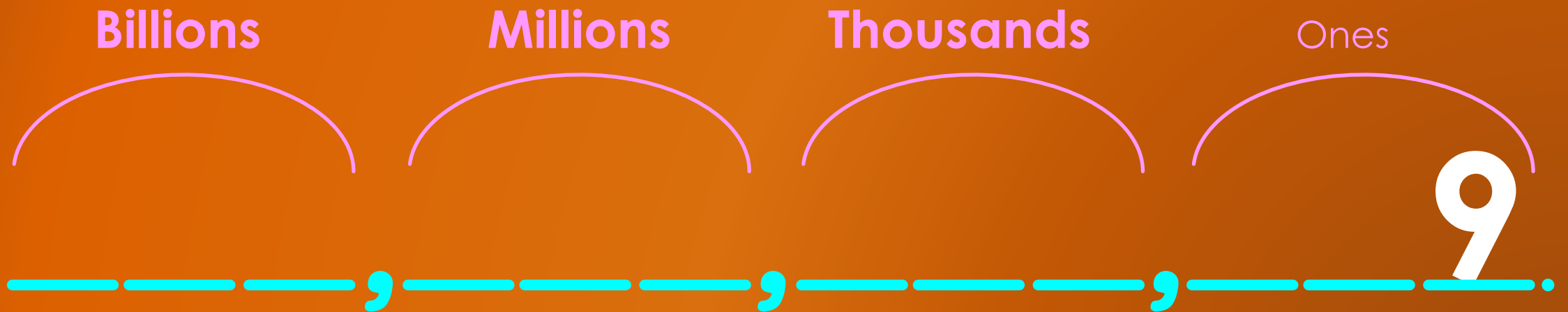
**How We Communicate:** [lcronin@wtps.org](mailto:lcronin@wtps.org) / 856-857-7707

**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



Multiply this number by 10

Seriously – don't do it the hard way – use Plop!



$9 \times 10 =$  the original number 9  
with a zero plopped onto the end!

90

Plop the  
zero in!

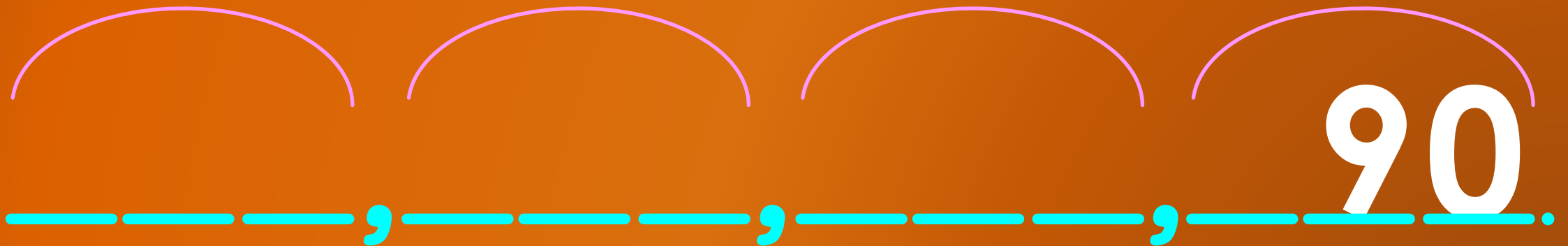
Original  
number 9

Billions

Millions

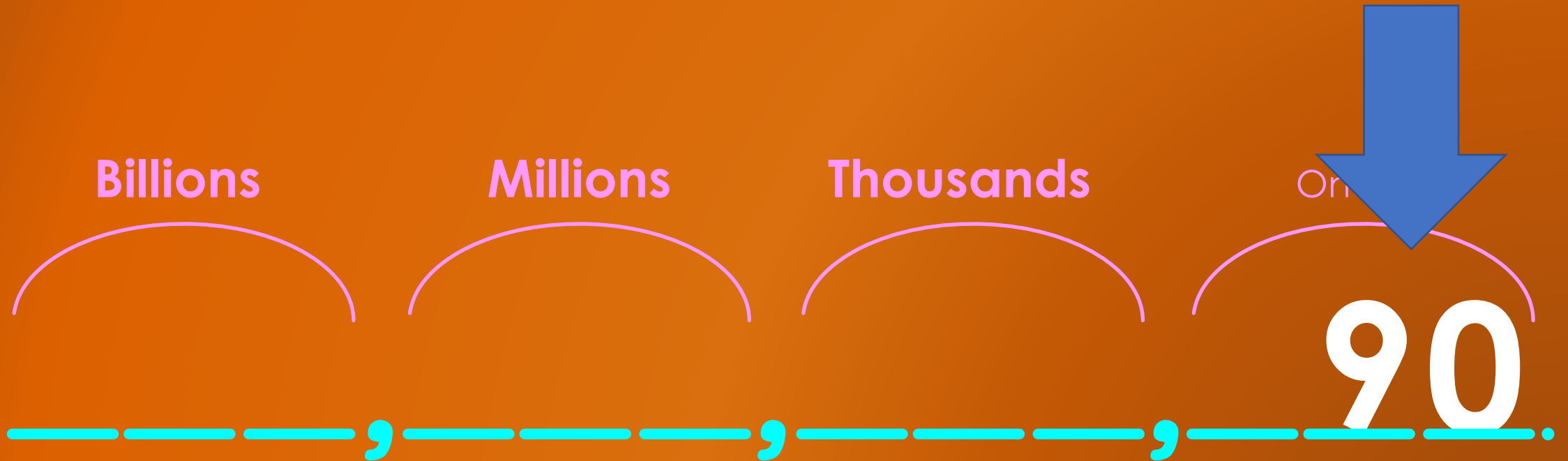
Thousands

Ones



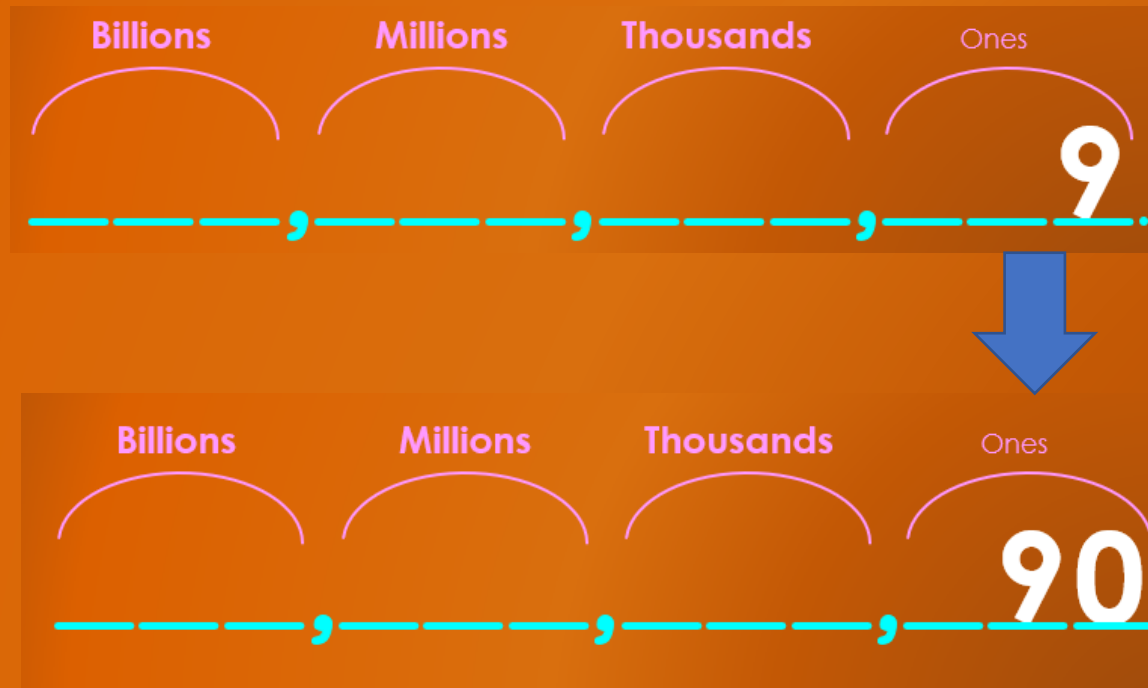
Did you see it? The number nine became 90.

And it moved a place value!

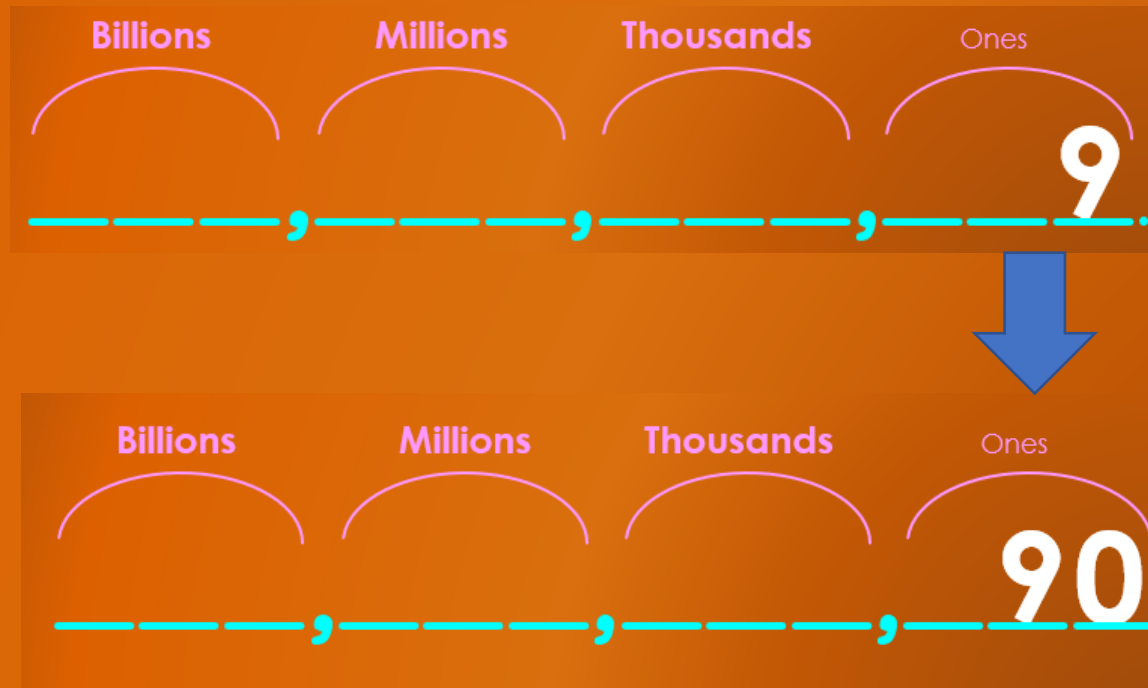


Did you see it? The number nine became 90.

And it moved a place value!



Whenever you multiply by 10  
you move the number one to the left  
and fill in with zeros!





Try one yourself!

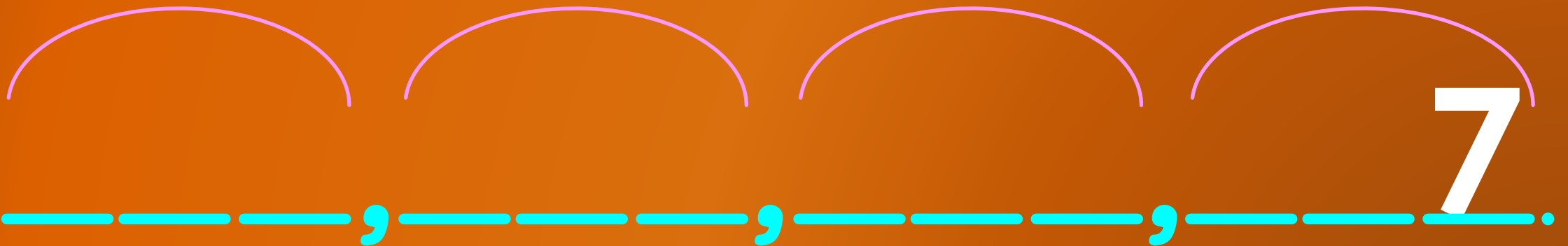
Multiply  $7 \times 10$

Billions

Millions

Thousands

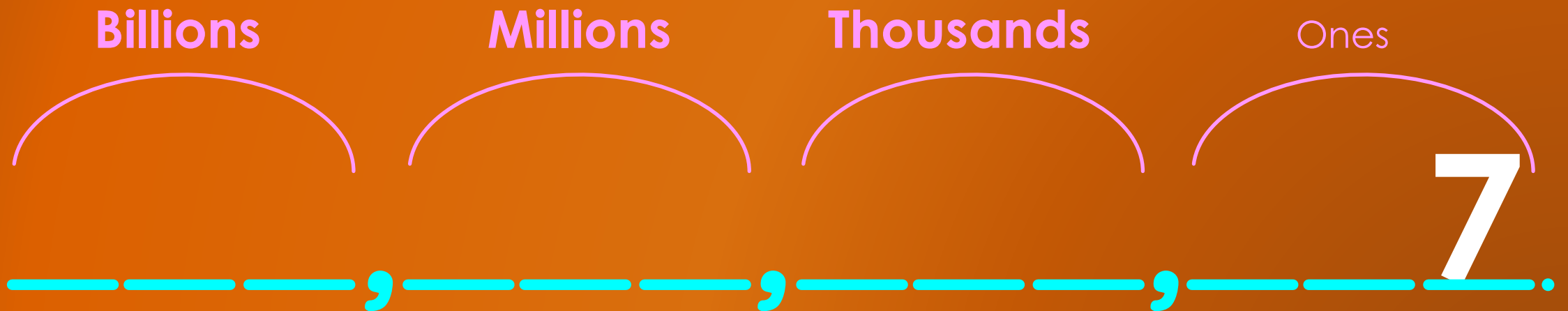
Ones





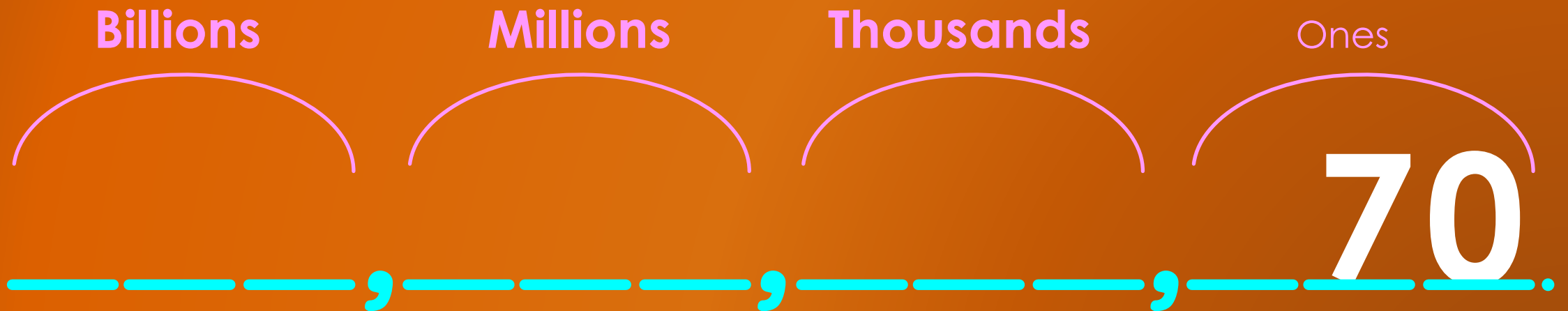
Plop tells me that  $7 \times 10 = 70$

Remember – the original number moves one place value to the left.



Yup!

The 7 moved one place value left – and you filled with a zero!

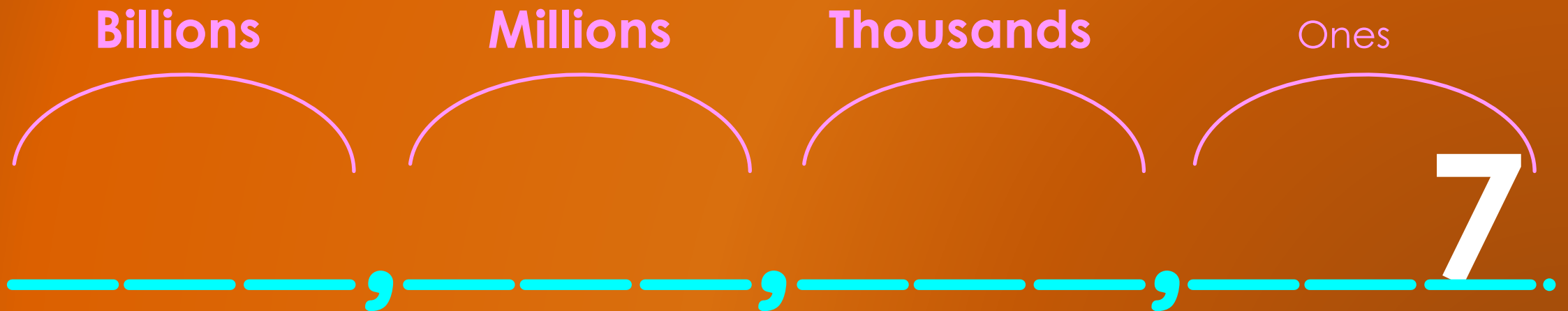




What if I wanted to multiply 7 times 100

How many place values will the original number move?

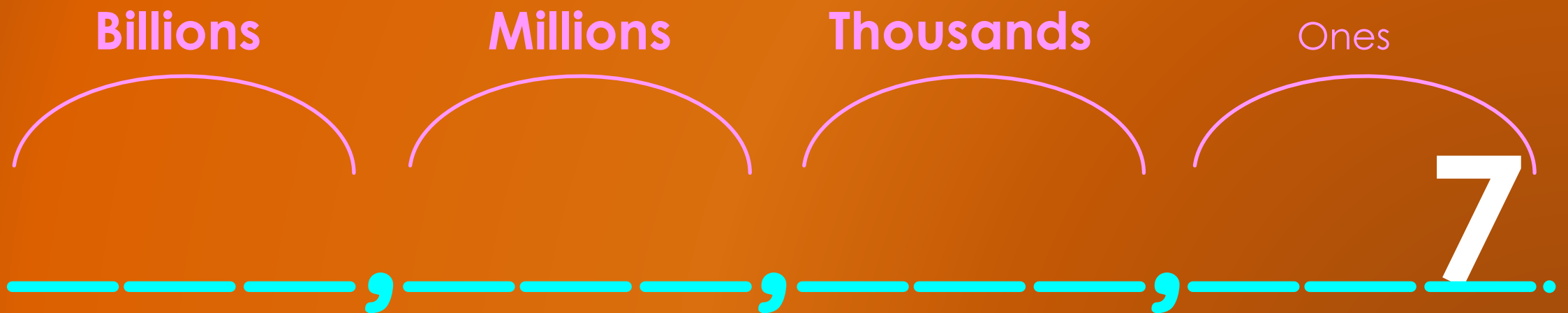
$$7 \times 100 = ?$$



$$7 \times 100 = ?$$

What if I wanted to multiply 7 times 100

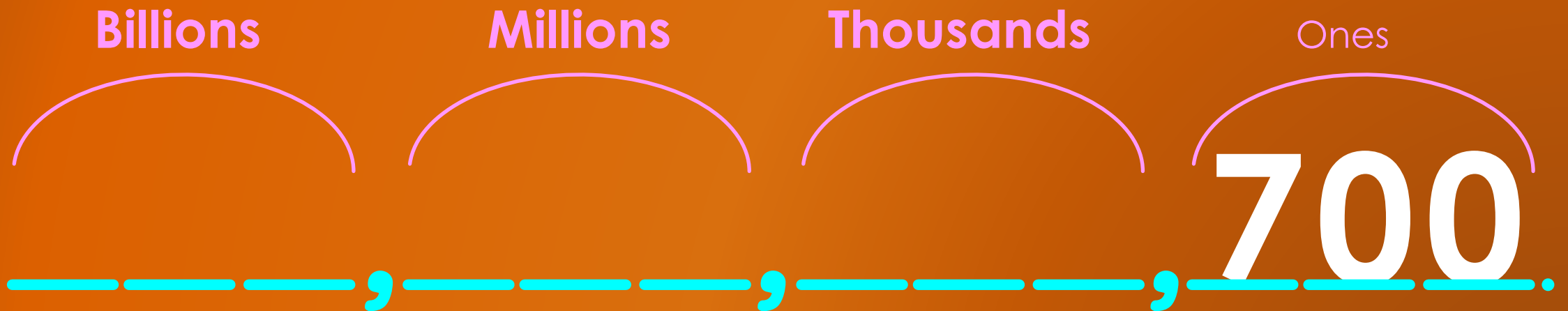
100 has 2 zeros so write the original number  
and "plop" 2 zeros onto the end.



$7 \times 100 = ?$

What if I wanted to multiply 7 times 100

100 has 2 zeros so write the original number  
and "plop" 2 zeros onto the end.



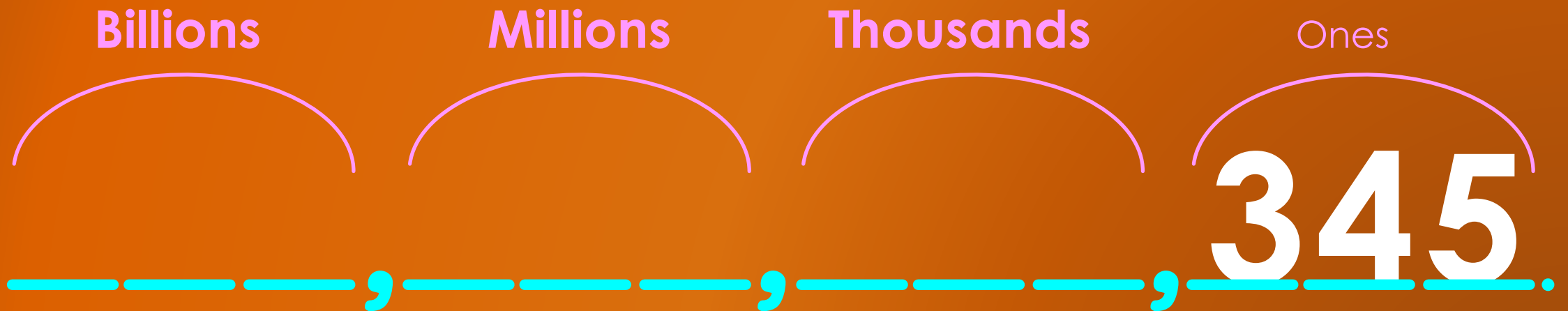
$7 \times 100 = ?$



How will this one work?

$$345 \times 10 = ?$$

What is the original number? How many zeros should you add?

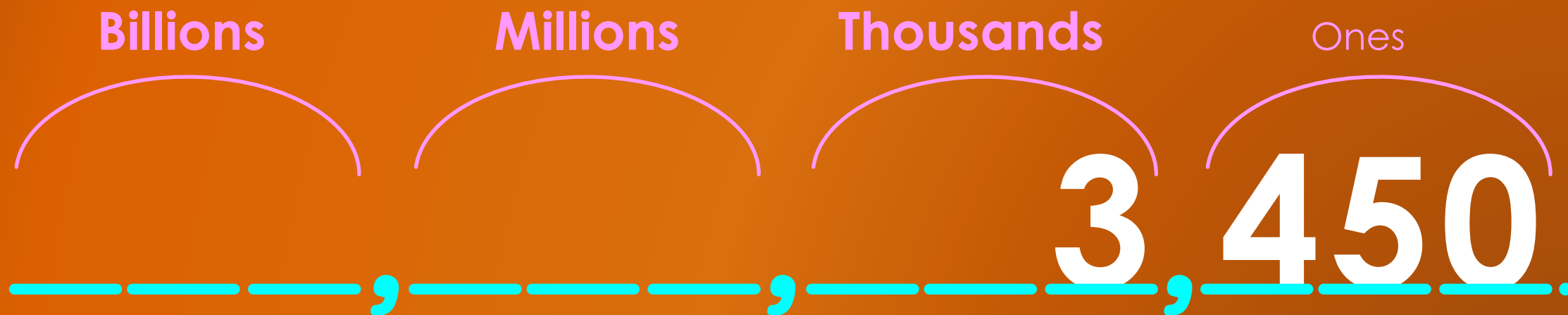


$$345 \times 10 = ?$$

How will this one work?

$$345 \times 10 = ?$$

We wrote the original number (345) then added 1 zero.

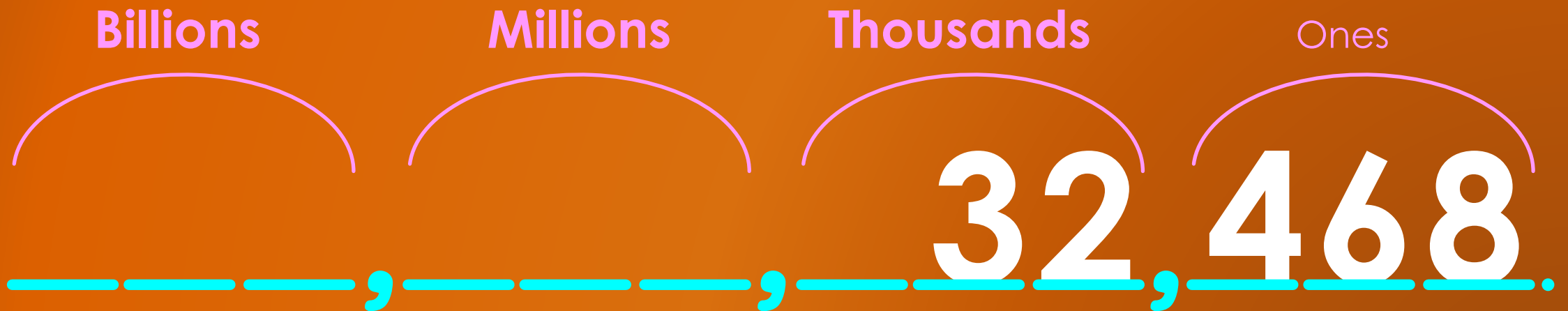


$$345 \times 10 = ?$$

Try this

$$32,468 \times 10 = ?$$

What is the original number? How many zeros should you add?



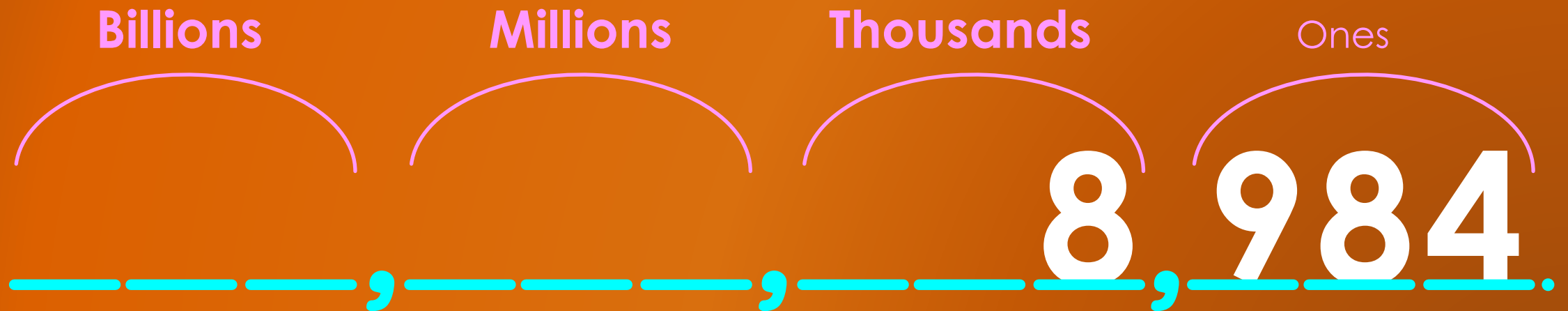
$$32,468 \times 10 = ?$$



Try this

$$8,984 \times \underline{100} = ?$$

What is the original number? How many zeros should you add?

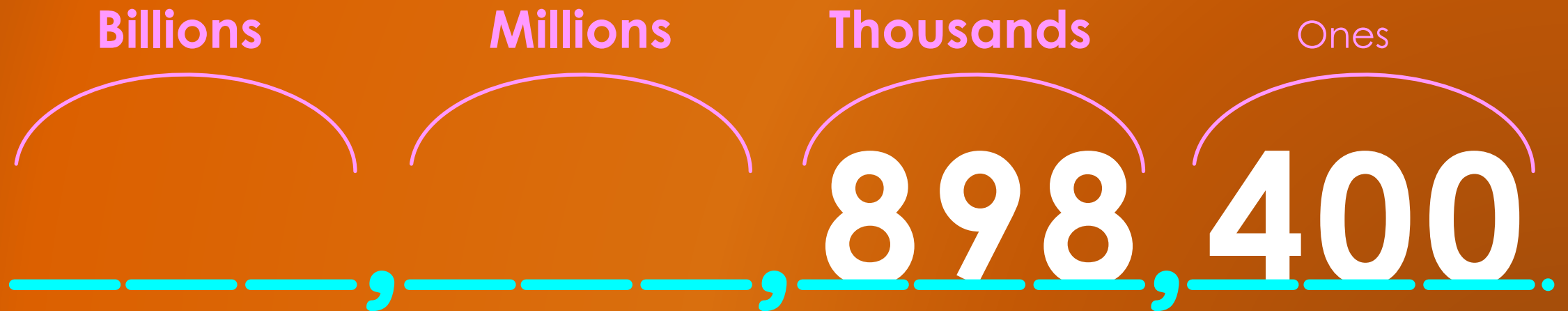


$$8,984 \times \underline{100} = ?$$

Try this

$$8,984 \times \underline{100} = ?$$

What is the original number? How many zeros should you add?



$$8,984 \times \underline{100} = ?$$



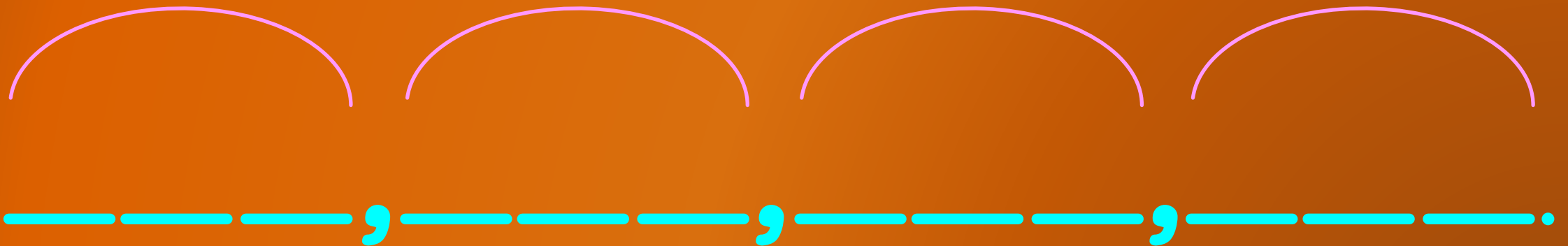
Answer the next 5 questions and send me the answers.

Billions

Millions

Thousands

Ones



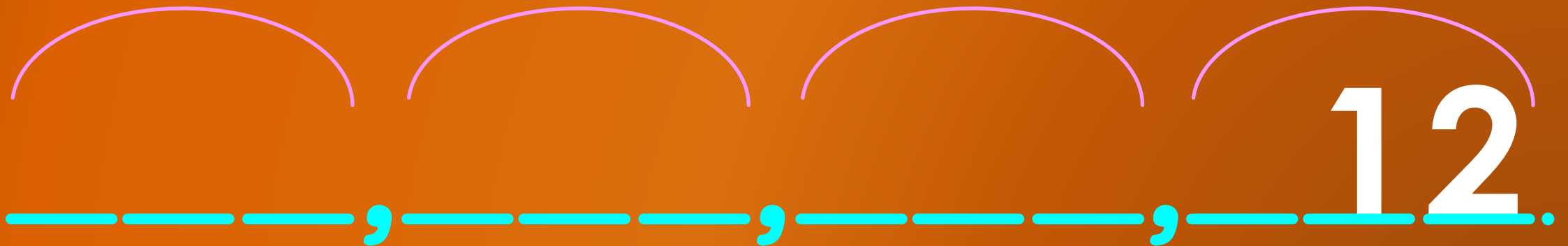

$$1.12 \times 10 =$$

Billions

Millions

Thousands

Ones





2.  $543 \times \underline{100} =$

Billions

Millions

Thousands

Ones



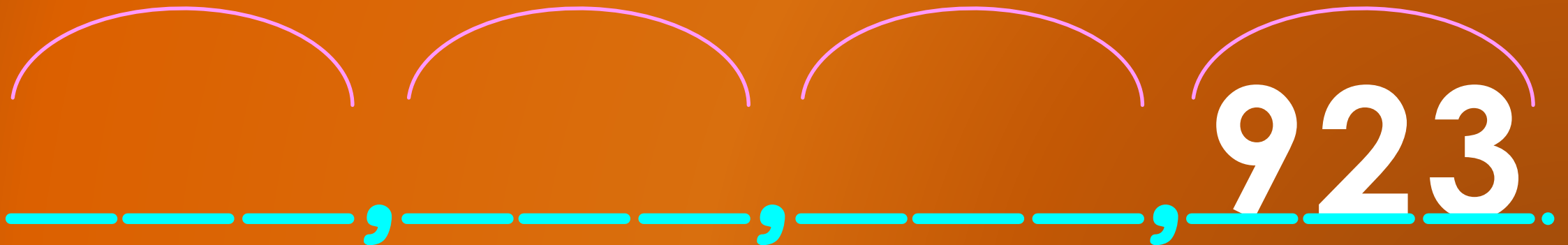

$$3. 923 \times 10 =$$

Billions

Millions

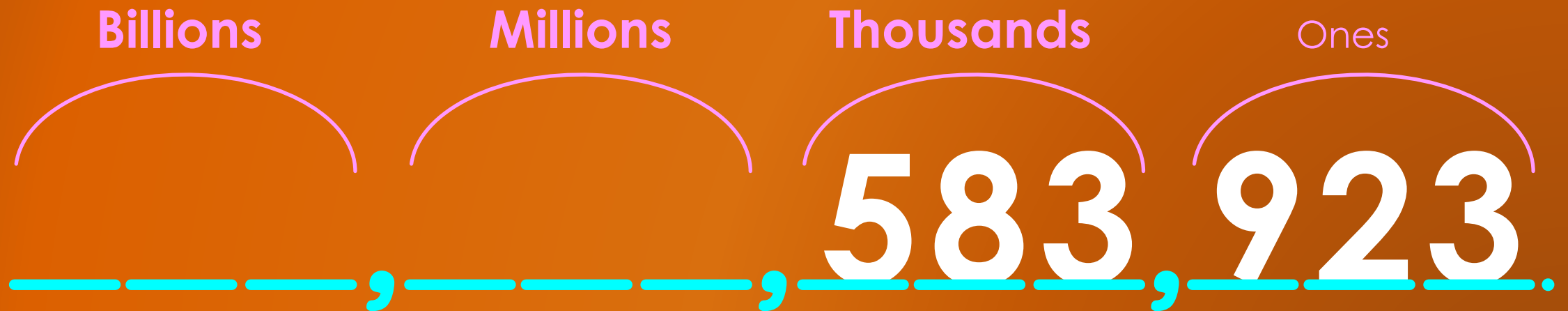
Thousands

Ones



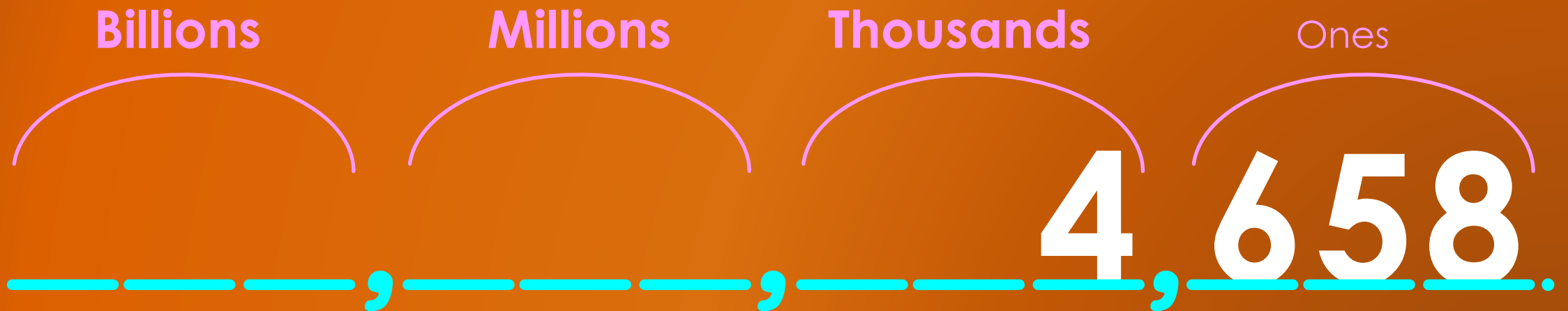


4.  $583,923 \times 100 =$





5.  $4,658 \times 10 =$







# Quizlet:

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

**Then spend 10 minutes on First-In-Math**