Classwork 5-4-2020

We are almost finished with the place value chart – but just a couple more things. Today we will learn to expand numbers.

Lesson Plans: 5/4/2020

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

Learning Objectives: We are almost finished with the place value chart – but just a couple more things. Today we will learn to expand numbers.

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

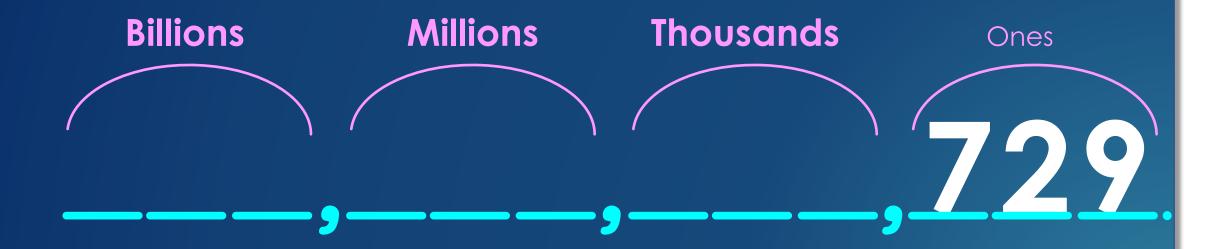
How I will see/check your work: please email or text me your answers and tell me how you are doing

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

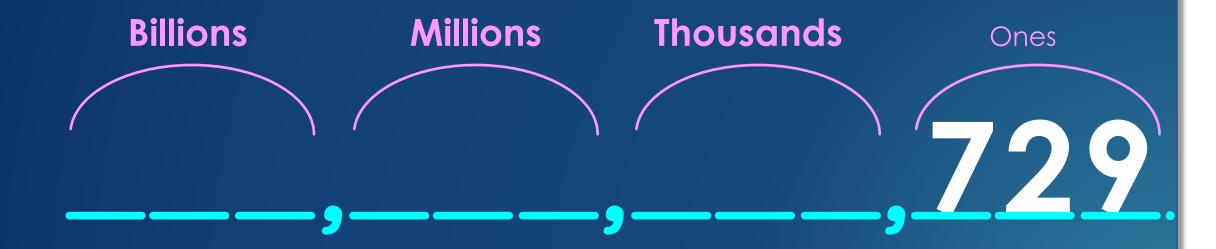
Each digit on the place value chart has a value of its own.

For example the digit 2 in this number is equal to 20.

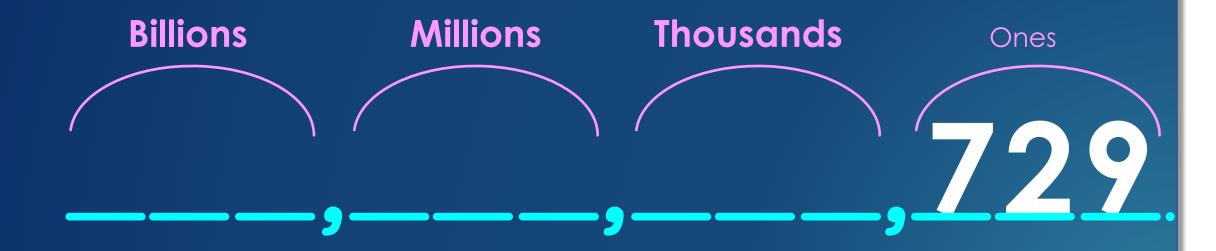


Because of that we can decompose a number into its parts.

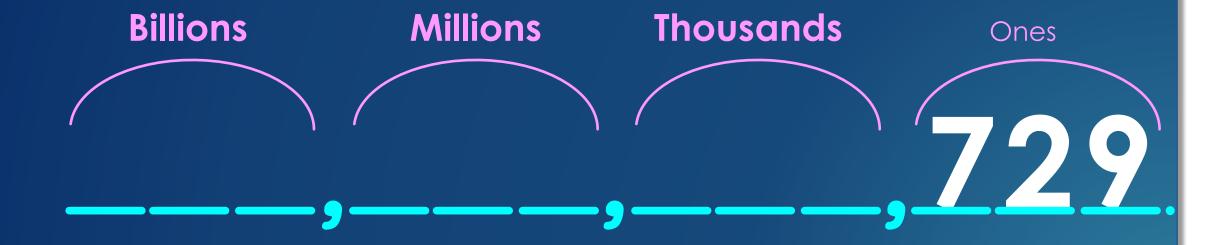
The word decompose means "to break apart".



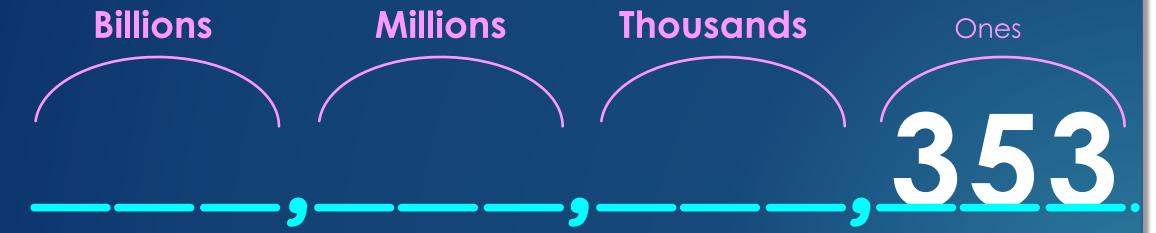
When you decompose a number it is called writing the number in expanded form.



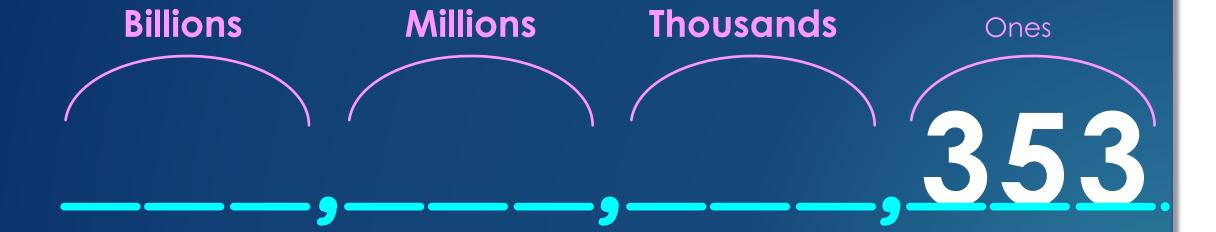
This number is seven hundred twenty-nine. In expanded form it is 700 + 20 + 9



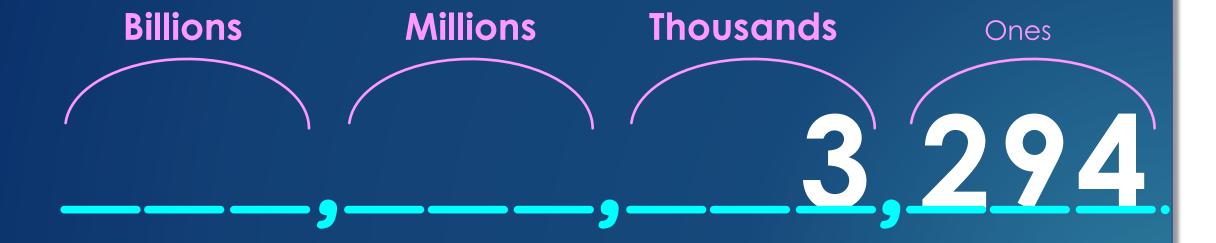
Try it! Write this number in expanded form.



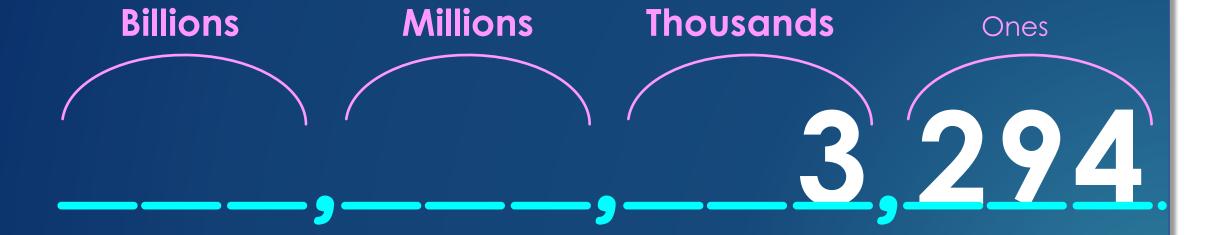
300 + 50 + 3



Write this number in expanded form.



3,000 + 200 + 90 + 4



I knew you could do this! Write this number in expanded form.



500,000 + 40,000 + 7000 + 400 + 2

Did you notice that we skipped the 10s? That's because this number has no tens.



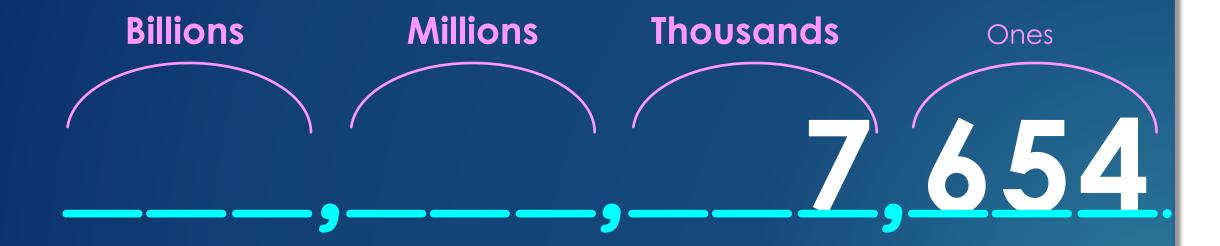
Try this one! Write this number in expanded form.



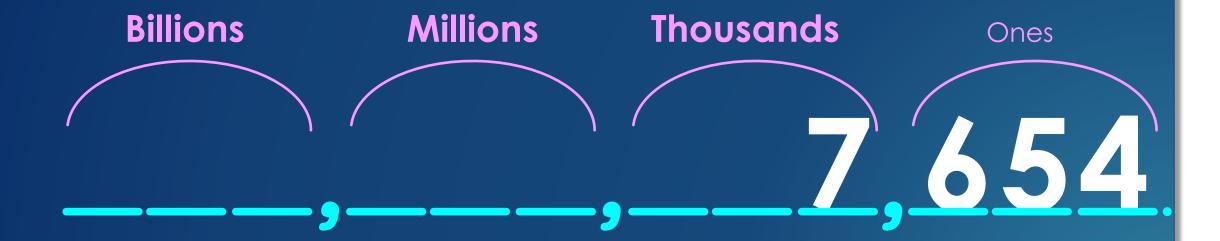
400,000 + 4,000 + 800 + 40 + 5



Try this one! Write this number in expanded form.

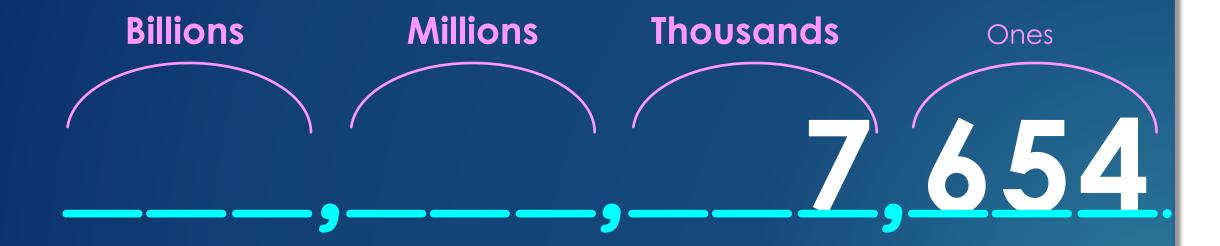


7,000 + 600 + 50 + 4



When you write it out in expanded form it is easy to figure out how much each digit is worth.

$$7,000 + 600 + 50 + 4$$



The 7 is worth 7,000
7,000 + 600 + 50 + 4

Billions Millions Thousands Ones

7
65
2

The 6 is worth 600
7,000 + 600 + 50 + 4

Billions Millions Thousands Ones

7
5
4

The 5 is worth 50 7,000 + 600 + 50 + 4

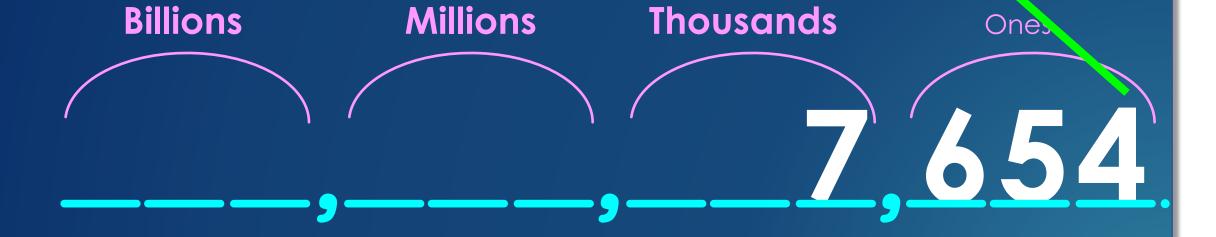
Billions Millions Thousands Ones

7

65

7

And the 4 ist worth (of course) 4 7,000 + 600 + 50 + 4



Write this number in expanded form.



600,000,000 + 40,000,000 + 5,000,000 + 300,000 + 80,000 + 9,000 + 500 + 30 + 9



That was a long one! What is the value of the digit 9 in this number?



The digit 9 is in the thousands space so it is worth nine thousand 9,000



Write this number in expanded form.



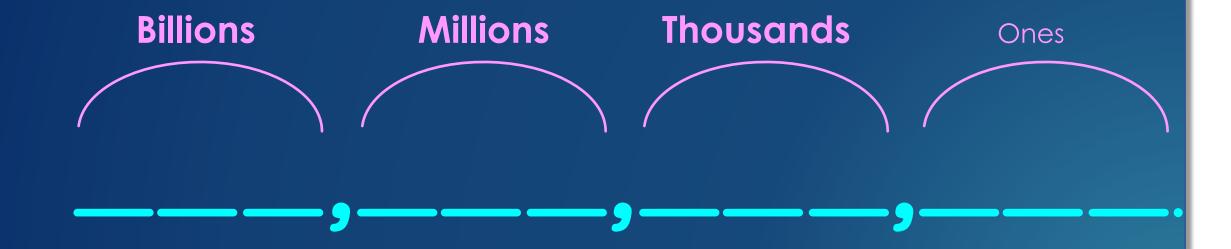
8,000,000,000 + 300,000,000 + 40,000,000 +9,000,000 + 300,000 What is the value of the digit 7 in this number.



The digit 7 is in the ten thousands spot so it is worth 70,000 (just like you wrote in expanded form)



Write the answers to these 5 questions and send me a picture!



1. Write this number in expanded form.



2. What is the value of the digit 9?



3. Write this number in expanded form.



4. What is the value of the digit 3?



5. What is the value of the digit 6?



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

https://quizlet.com/_8d84mw?x=1qqt&i=2qrr7s

Then please complete your drills.