



Classwork 5-5-2020

Expanded notation turned out to be easy right? We will do two more things with this chart. We will round numbers today and tomorrow and on Thursday we will practice naming decimals.



Hello from Mrs. Cronin

I miss your voices so I thought I would send you mine.



Lesson Plans: 5/5/2020

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

Learning Objectives: Expanded notation turned out to be easy right? We will do two more things with this chart. We will round numbers today and tomorrow and on Thursday we will practice naming decimals.

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



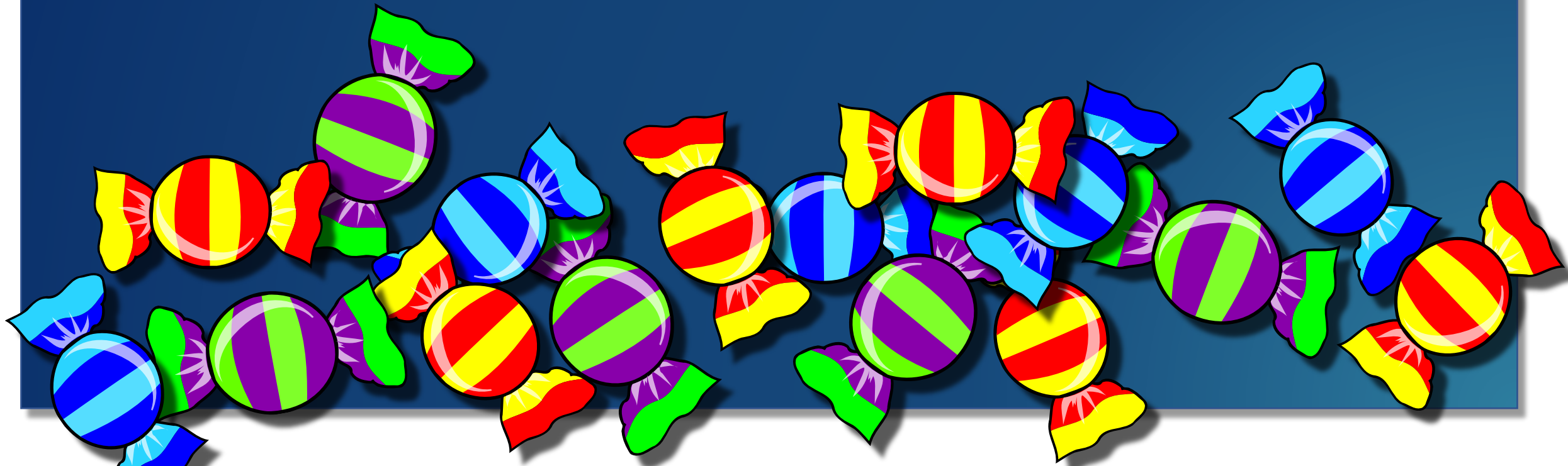
Rounding means finding a number that is close but is easier to work with.

We use rounding all the time!

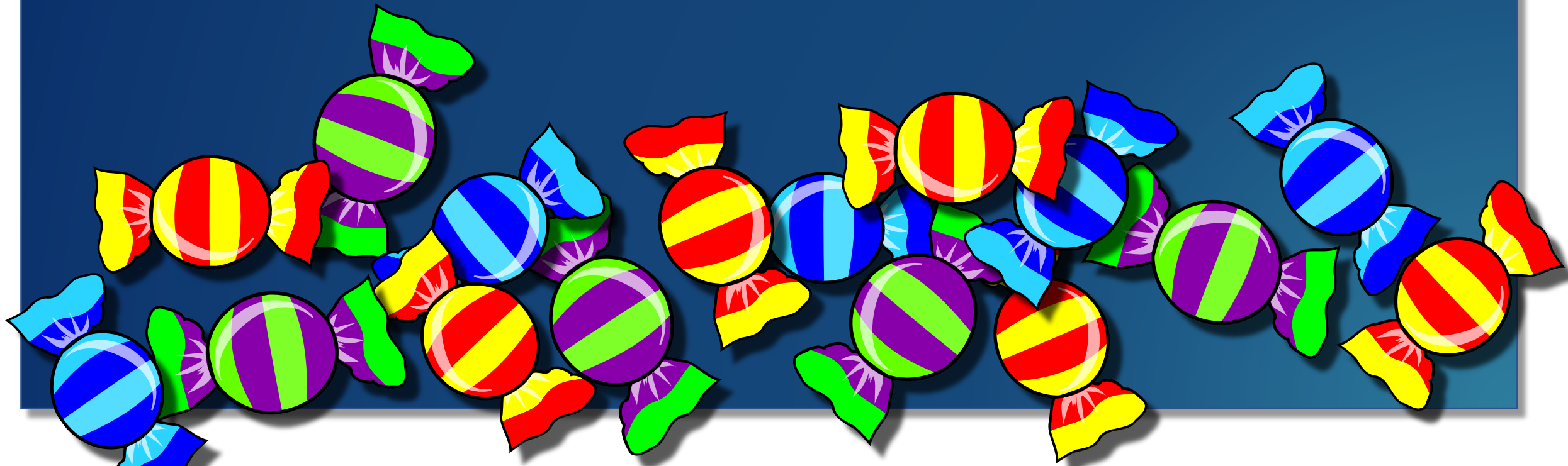
When the price tag on something says \$5.60, I round up to \$6.00 to give them their money.

If I have 50 candies and 23 students,
I could do the math $(50 \div 23)$ – but that's hard.

I could round the class size up to 25 and
then the math is easy! $50 \div 25 = 2$



But, of course, I would never give candy to students!



If a car cost \$7,835
and the sales tax in NJ is 6.625%
can you afford the car?



**That math is $\$7,835 \times .06625$
that's hard!**



But if we estimate
\$8 thousand times .10 that's easy!

You just move the decimal by 1 point you get \$800.

So $8,000 + \$800 = \$8,800$



Enough pretty pictures

Let's get to work!





Let's start with reviewing what we already do to round numbers.

Round 21 to the nearest ten.

Do you remember how we did that?

Round 21 to the nearest ten.

Find the tens digit and underline it.

(Use your place value chart if you need to)

21

Steps:

1. Underline the digit you are rounding to.

Round 21 to the nearest ten.

Change all digits below the underlined digit to a zero

$$\begin{array}{r} \cancel{21} \\ \hline 20 \end{array}$$

Steps:

1. Underline the digit you are rounding to.
2. Change all the digits below that to zeros.

Round 21 to the nearest ten.

That number goes at the bottom of a number line.



Steps:

1. Underline the digit you are rounding to.
2. Change all the digits below that to zeros.
3. Write that number on the bottom of a number line

Round 21 to the nearest ten.

Since we are rounding to the tens place, we need to add ten to the bottom number and write that at the top of the number line.



Steps:

1. Underline the digit you are rounding to.
2. Change all the digits below that to zeros.
3. Write that number on the bottom of a number line
4. Add the place value (10) to that number

Round 21 to the nearest ten.

Then write our number on the line and decide if it is closer to the bottom or the top of the number line.



Steps:

1. Underline the digit you are rounding to.
2. Change all the digits below that to zeros.
3. Write that number on the bottom of a number line
4. Add the place value (10) to that number
5. Decide if your number is closer to the bottom or the top of the number line.

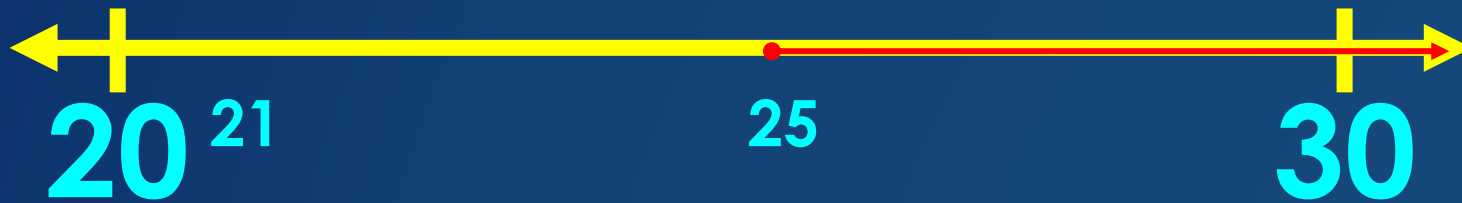
21 rounds to 20 because it is closer to 20 than 30.



Steps:

1. Underline the digit you are rounding to.
2. Change all the digits below that to zeros.
3. Write that number on the bottom of a number line
4. Add the place value (10) to that number
5. Decide if your number is closer to the bottom or the top of the number line.

Don't forget that if your number is exactly half-way across the number line it will round up.

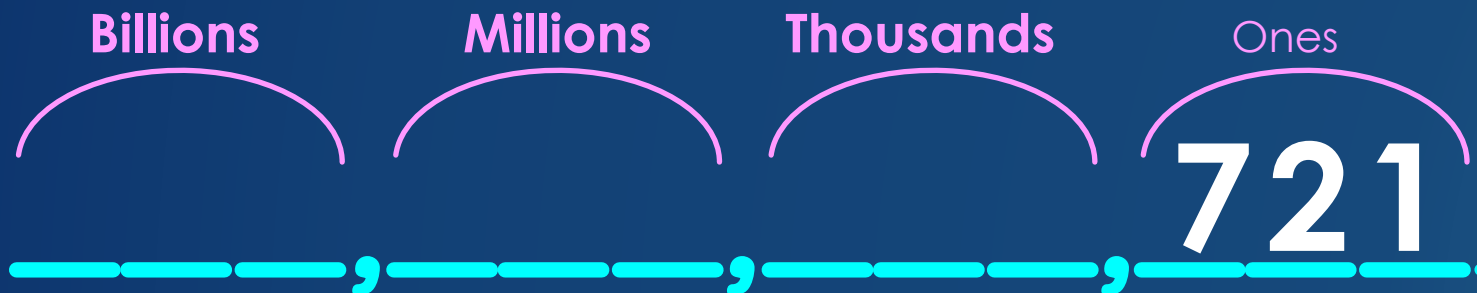


21, 22, 23, & 24 round down to 20
and
25, 26, 27, & 28 round up to 30

Steps:

1. Underline the digit you are rounding to.
2. Change all the digits below that to zeros.
3. Write that number on the bottom of a number line
4. Add the place value (10) to that number
5. Decide if your number is closer to the bottom or the top of the number line.

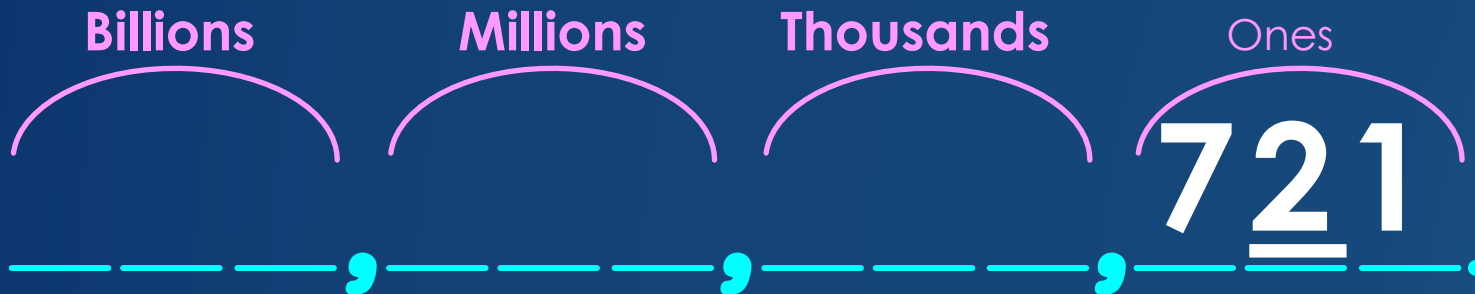
What if I asked you to round 721
to the nearest ten?
(follow the steps)



Steps:

1. Underline the digit you are rounding to.
2. Change all the digits below that to zeros.
3. Write that number on the bottom of a number line
4. Add the place value (10) to that number
5. Decide if your number is closer to the bottom or the top of the number line.

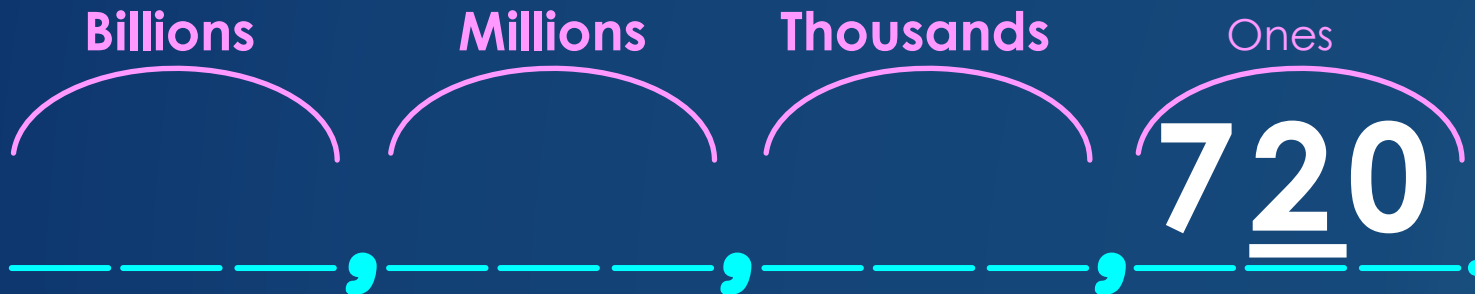
What if I asked you to round 721 to the nearest ten? (follow the steps)



Steps:

1. Underline the digit you are rounding to.
2. Change all the digits below that to zeros.
3. Write that number on the bottom of a number line
4. Add the place value (10) to that number
5. Decide if your number is closer to the bottom or the top of the number line.

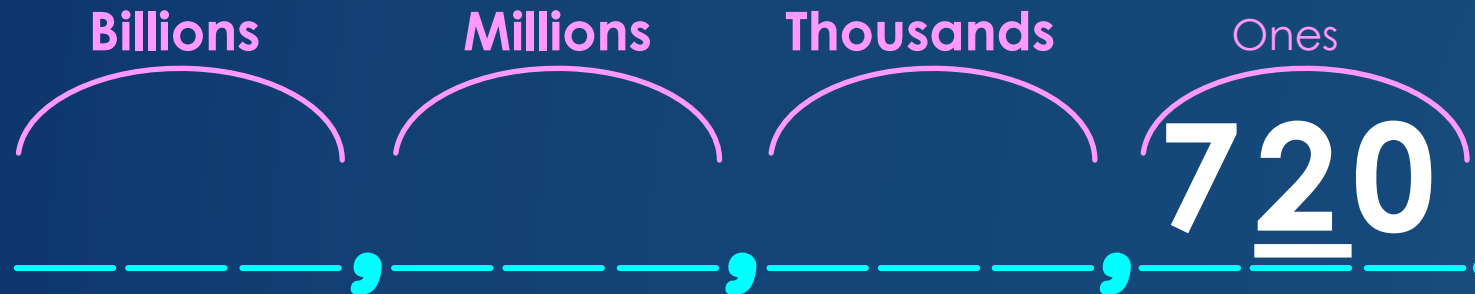
What if I asked you to round 721 to the nearest ten? (follow the steps)



Steps:

1. Underline the digit you are rounding to.
2. Change all the digits below that to zeros.
3. Write that number on the bottom of a number line
4. Add the place value (10) to that number
5. Decide if your number is closer to the bottom or the top of the number line.

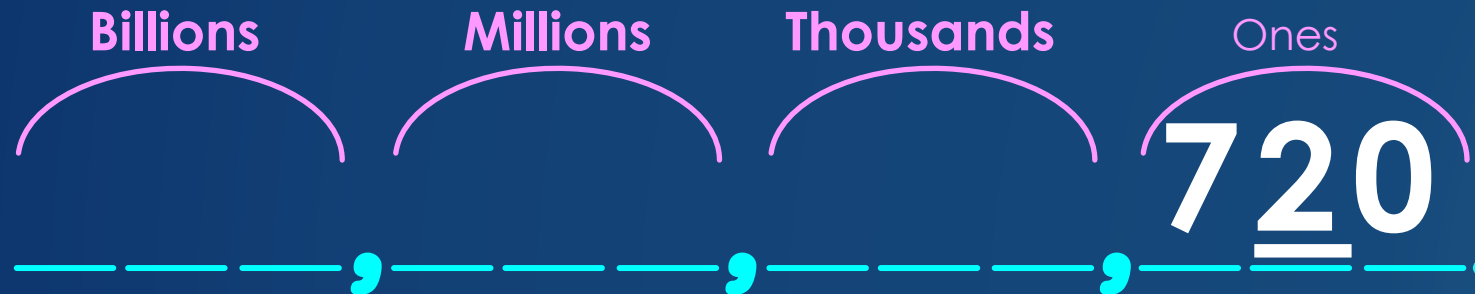
What if I asked you to round 721 to the nearest ten? (follow the steps)



Steps:

1. Underline the digit you are rounding to.
2. Change all the digits below that to zeros.
3. Write that number on the bottom of a number line
4. Add the place value (10) to that number
5. Decide if your number is closer to the bottom or the top of the number line.

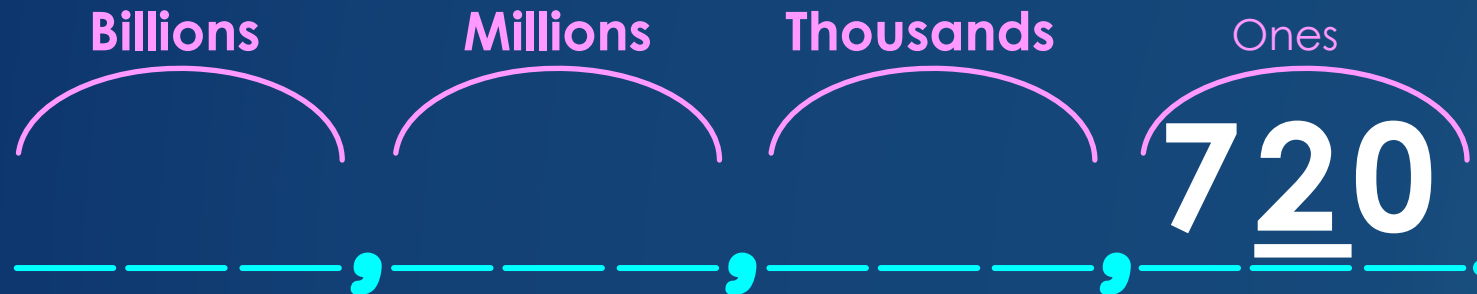
What if I asked you to round 721 to the nearest ten? (follow the steps)



Steps:

1. Underline the digit you are rounding to.
2. Change all the digits below that to zeros.
3. Write that number on the bottom of a number line
4. Add the place value (10) to that number
5. Decide if your number is closer to the bottom or the top of the number line.

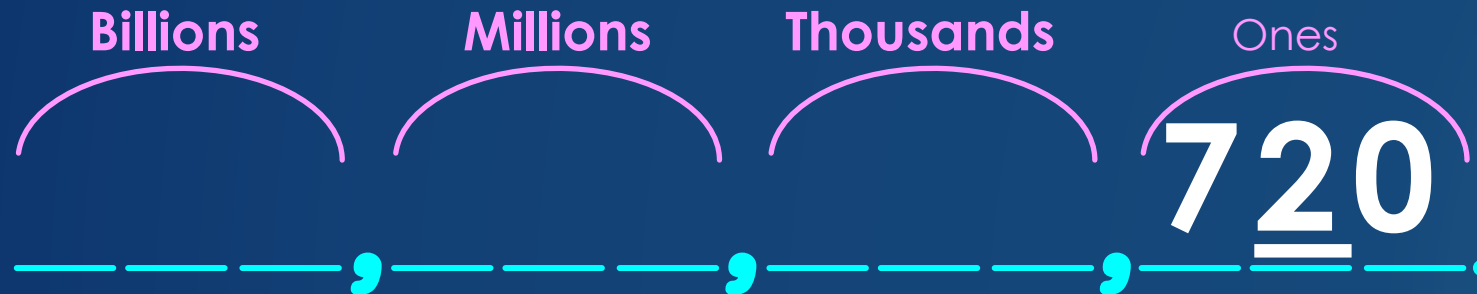
What if I asked you to round 721 to the nearest ten? (follow the steps)



Steps:

1. Underline the digit you are rounding to.
2. Change all the digits below that to zeros.
3. Write that number on the bottom of a number line
4. Add the place value (10) to that number
5. Decide if your number is closer to the bottom or the top of the number line.

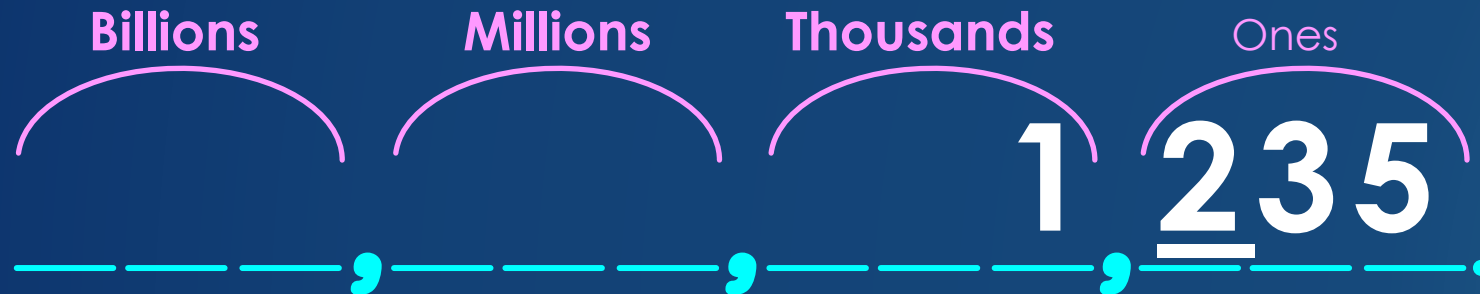
721 rounds to 720



Steps:

1. Underline the digit you are rounding to.
2. Change all the digits below that to zeros.
3. Write that number on the bottom of a number line
4. Add the place value (10) to that number
5. Decide if your number is closer to the bottom or the top of the number line.

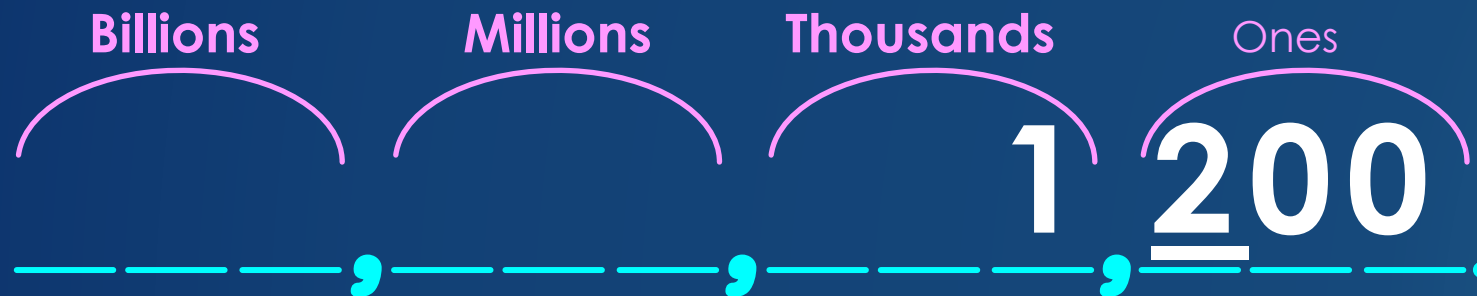
Round 1,235 to the nearest hundred



Steps:

1. Underline the digit you are rounding to.
2. Change all the digits below that to zeros.
3. Write that number on the bottom of a number line
4. Add the place value (10) to that number
5. Decide if your number is closer to the bottom or the top of the number line.

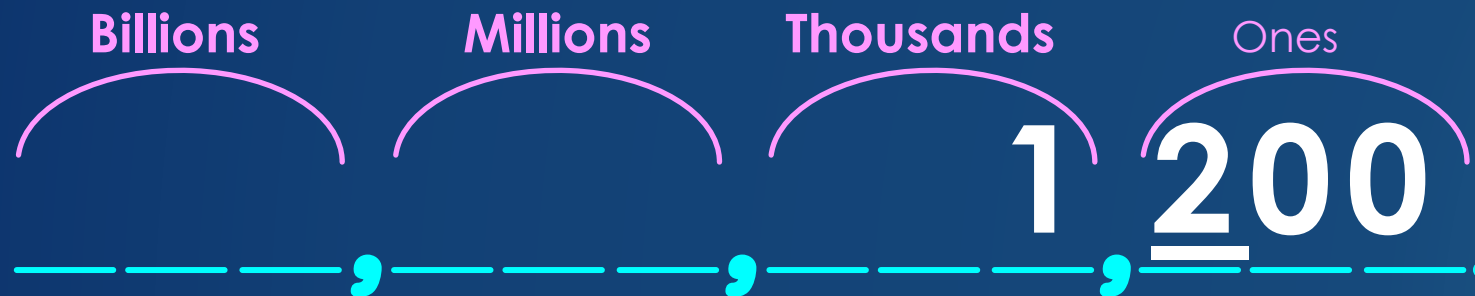
Round 1,235 to the nearest hundred



Steps:

1. Underline the digit you are rounding to.
2. Change all the digits below that to zeros.
3. Write that number on the bottom of a number line
4. Add the place value (10) to that number
5. Decide if your number is closer to the bottom or the top of the number line.

Round 1,235 to the nearest hundred

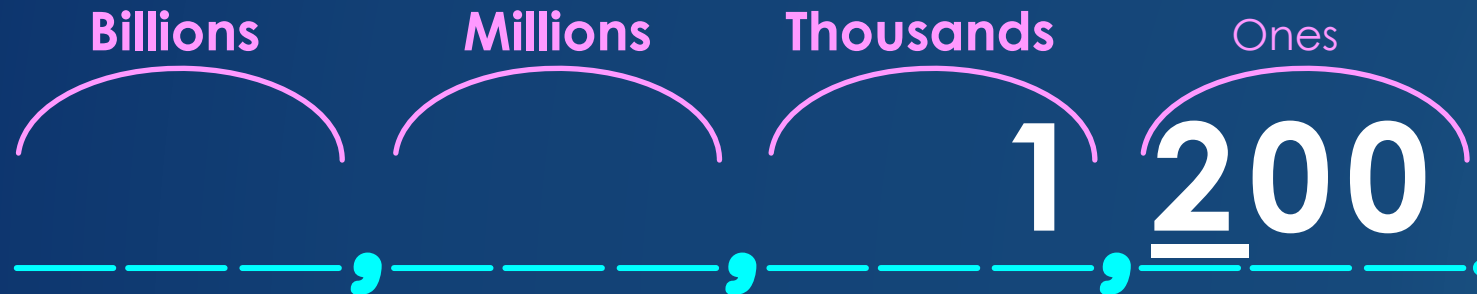


Steps:

1. Underline the digit you are rounding to.
2. Change all the digits below that to zeros.
3. Write that number on the bottom of a number line
4. Add the place value (10) to that number
5. Decide if your number is closer to the bottom or the top of the number line.

Round 1,235 to the nearest hundred

Careful – we are rounding to the 100s place, so we add 100

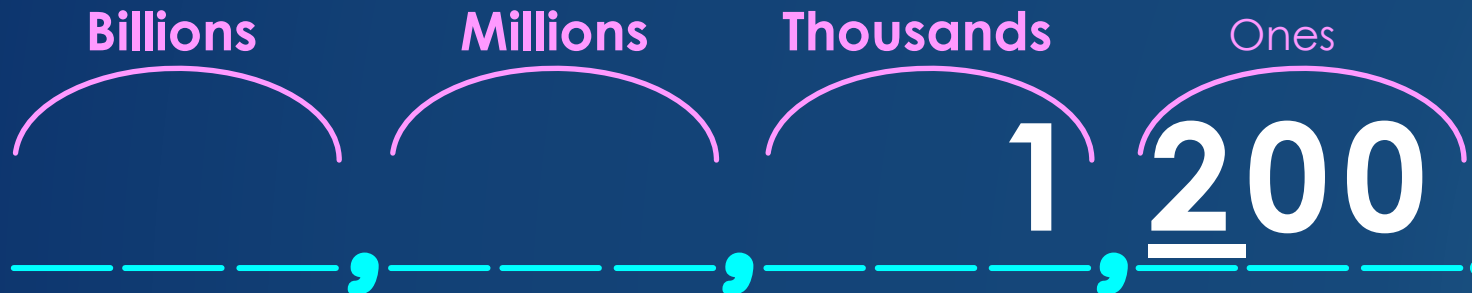


Steps:

1. Underline the digit you are rounding to.
2. Change all the digits below that to zeros.
3. Write that number on the bottom of a number line
4. Add the place value (100) to that number
5. Decide if your number is closer to the bottom or the top of the number line.

Round 1,235 to the nearest hundred

Careful – we are rounding to the 100s place, so we add 100

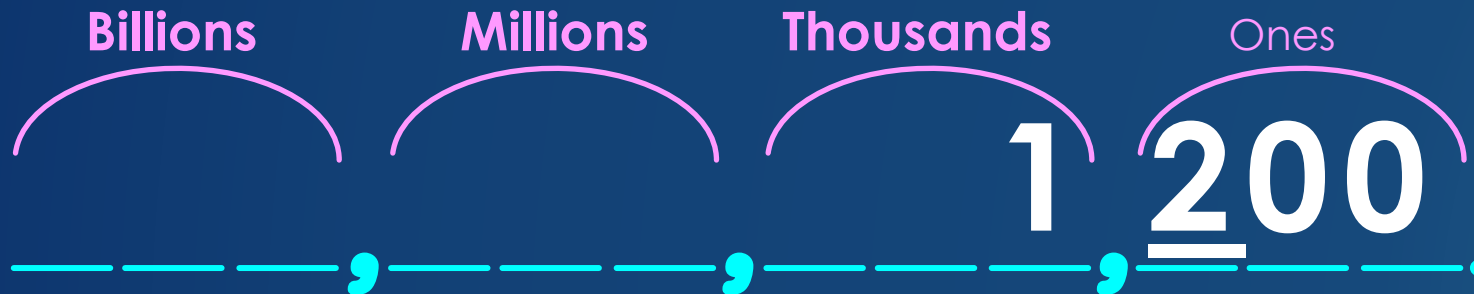


Steps:

1. Underline the digit you are rounding to.
2. Change all the digits below that to zeros.
3. Write that number on the bottom of a number line
4. Add the place value (100) to that number
5. Decide if your number is closer to the bottom or the top of the number line.

1,235 rounds to 1200

When you are rounding to the nearest 100



Steps:

1. Underline the digit you are rounding to.
2. Change all the digits below that to zeros.
3. Write that number on the bottom of a number line
4. Add the place value (100) to that number
5. Decide if your number is closer to the bottom or the top of the number line.



Are you OK with this?

No problems to work on today
- but please make sure that you understand this!

We will review and do some problems tomorrow.

I miss you! - Mrs. Cronin



Work on Quizlet:

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

Then spend 10 minutes on First-In-Math