



Math Virtual Learning

4th Grade Number Sense & Word Problems

April 10, 2020

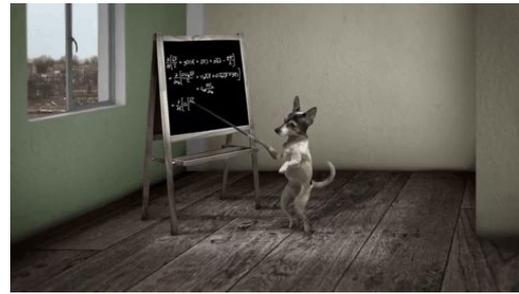
4th grade Math Number Sense & Word Problems

Lesson: Friday, April 10, 2020

Learning Targets:

- Read, write and identify multi-digit whole numbers up to one million using number names, base ten numerals and expanded form.

Background & Warm up



In 3rd grade, students learned how to read, write, and identify multi digit whole numbers up to 100,000, using number names, base ten numerals, and expanded form.

Let's get Started!

[Place Value Hockey Game](#) (Click “Place Value”, start at “level 2” for review)

[Expanded Form Game](#) (This is free to use, do not start an account)

Practice (Number Puzzles)

Ok guys, we are going to play a little game, but it will be a virtual one. This game is called “Number Puzzles”.

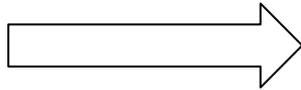
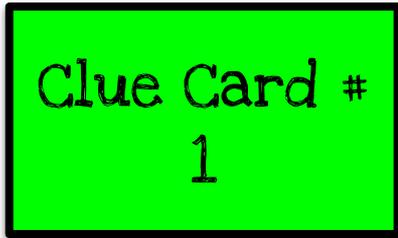
Let’s try it together. Usually we would pick clues from a bag in person, but I am going to give you clues virtually.

Everytime I give you a clue, create a number that would fit with that clue. You **MIGHT** have to rearrange your thinking as the clues go on. There will be 4 clues for each practice.

Practice (Number Puzzles) Clue # 1

Here are the rules one more time.

Everytime I give you a clue, create a number that would fit with that clue. You **MIGHT** have to rearrange your thinking as the clues go on. There will be 4 clues for each practice.

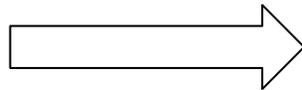


Number has 4
digits

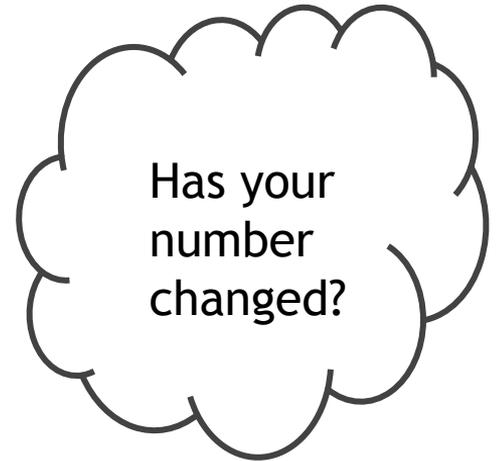
Practice (Number Puzzles) Clue # 2

Everytime I give you a clue, create a number that would fit with that clue. You **MIGHT** have to rearrange your thinking as the clues go on. There will be 4 clues for each practice.

Clue Card #
2



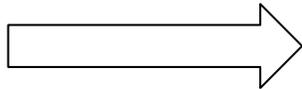
Number is larger
than 1,000



Practice (Number Puzzles) Clue # 3

Everytime I give you a clue, create a number that would fit with that clue. You **MIGHT** have to rearrange your thinking as the clues go on. There will be 4 clues for each practice.

Clue Card # 3



Number is smaller
than 9,000

Practice (Number Puzzles)

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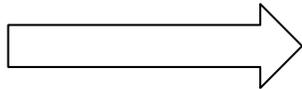
Let's take a look at some of these numbers. Which would fit for each clue given, and which would not?

- 4,567
- 234
- 321
- 5,463

Practice (Number Puzzles) Clue # 4

Everytime I give you a clue, create a number that would fit with that clue. You **MIGHT** have to rearrange your thinking as the clues go on. There will be 4 clues for each practice.

Clue Card #
4

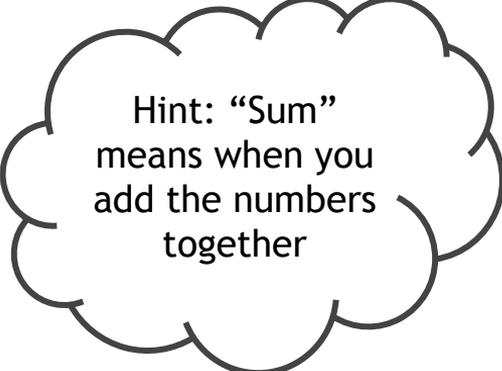


This number
needs a 6 in the
tens place AND a 4
in the hundreds
place

Practice (Number Puzzles) Guided Practice # 1

Come up with a number that fits with all four of these clues.

- Has 5 digits
- Is greater than 500
- The sum of the digits is 8
- Has one prime digit (Prime is when that number is only divisible by that number and 1)

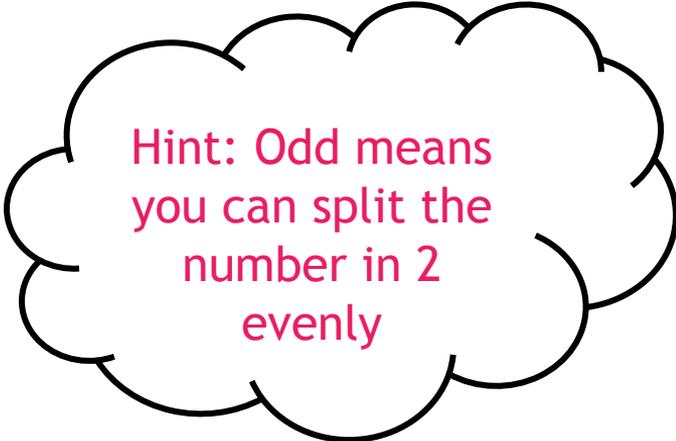


Hint: "Sum"
means when you
add the numbers
together

Practice (Number Puzzles) Guided Practice#2

Come up with a number that fits with all four of these clues.

- Is less than 500
- Is great than 10
- The sum of the digits is 6
- Has one odd number



Hint: Odd means
you can split the
number in 2
evenly

Okay! I am on my own now.

[ABCya Guess My Number Game](#)

Directions:

1. Click “medium” level of difficulty
2. Guess the number to unlock the phone
3. You have 7 chances to guess it
4. Watch the hints on the side, to guide your guesses.
5. (You may choose “easy” or “difficult” if you're finding that you need a challenge.



More Practice!

Identifying Place (A)

In what place is each underlined digit?

6, <u>3</u> 49	3,5 <u>9</u> 4
2,4 <u>9</u> 9	<u>3</u> ,621
4,5 <u>4</u> 5	6,9 <u>2</u> 4
7, <u>5</u> 36	<u>2</u> ,654
4, <u>2</u> 27	2,7 <u>4</u> 1
7, <u>9</u> 43	9,5 <u>1</u> 1
9, <u>3</u> 57	<u>8</u> ,010
1, <u>9</u> 55	6, <u>6</u> 78

[Click Here for Worksheet](#)

[Number Puzzles Website](#)

Click the link to see how the game is played in a classroom. There is a link to print the cards out so you can continue playing to build fluency! You can play alone or with an adult

Selfie Check..er...I mean... self check :)

- Go tell someone your answers!
- Was this lesson...
 - Too easy?
 - Too hard?
 - Or just right?



Extension Activity: Go find old magazines and try to make your numbers using the hints and using the numbers you find in a magazine. You can even make your own combination of hints.

