



# 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.

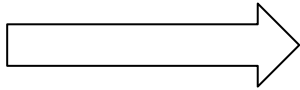
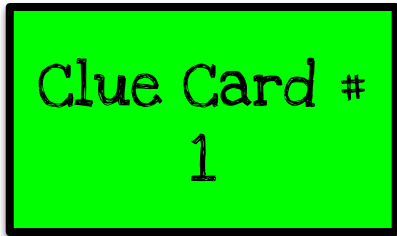
Everytime I give you a clue, create a number that would fit with that clue. You **MIGHT** have to rearrange your thinking as the clues go on. There will be 4 clues for each practice.

# 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.



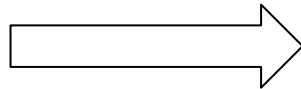
Number has 4  
digits

# Practice (Number Puzzles) Clue # 2

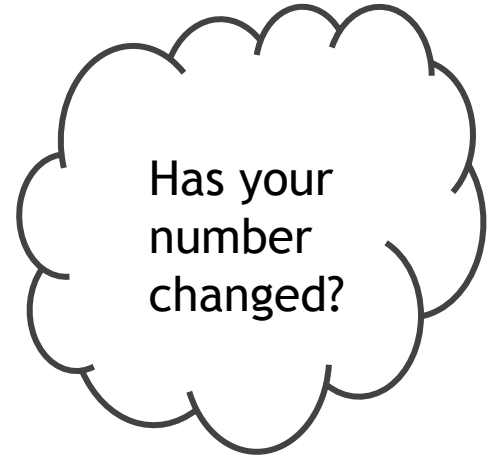
---

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

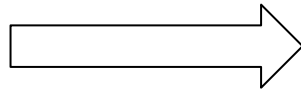


# Practice (Number Puzzles) Clue # 3

---

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)

— — —

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

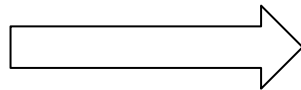
- 4,567
- 234
- 321
- 5,463



# 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.



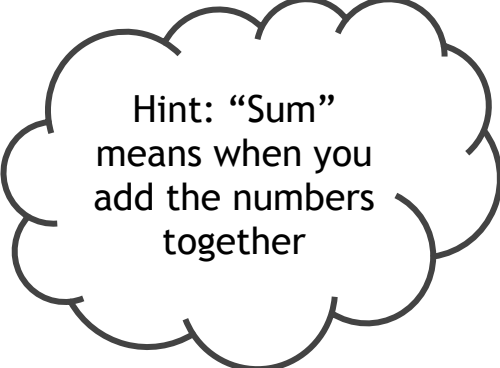
This number  
needs a 6 in the  
tens place AND a 4  
in the hundreds  
place



# 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)



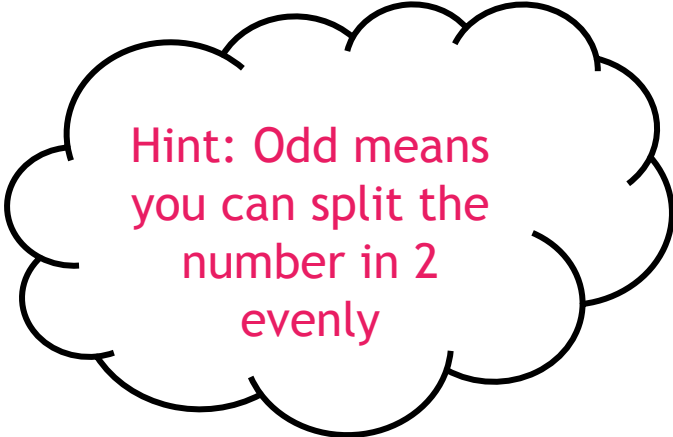
Hint: "Sum"  
means when you  
add the numbers  
together

# 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.

