

PLACE VALUE

Name: _____

Record your answers for each set of place value problems below.

Place Value Chart		Representing Numbers	
1	6	1	6
2	7	2	7
3	8	3	8
4	9	4	9
5	10	5	10

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In which place value location below
the 4 have a value of 4,000

424,134

1 2 3 4 5 6 7 8

 **LINK** *ativity*
Interactive Learning Guides

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2,045 ○ 1,576 →

1 2 3 4 5 6 7 8 9 10

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5	0	5	0

Using the model below, represent the number in standard form.

← →

1 2 3 4 5 6 7 8 9 10

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Your students are going to love this hands-on approach to learning important concepts of place value including: how to read a number up to the millions, representing numbers, and comparing & ordering numbers up to the hundred-thousands. Resource includes a LINKtivity digital learning guide, a student recording sheet (printable or digital), answer key, and a teacher guide.

What is Place Value?

Hey! Are you ready to become a place value pro? Once you learn the basics, you can read any number, no matter how big or small!

1 START HERE

2 PLACE VALUE CHART

3 REPRESENTING NUMBERS

4 COMPARING NUMBERS

5 ORDERING NUMBERS

Click on a category above to learn more.

Place Value Chart

periods (separated by commas)

Millions	Thousands	Ones
3	2	1
0	5	8
2	9	2

Digit 6

Place value Locations

Numbers can go on forever and ever! This place value chart shows a number going up through the millions. Each digit in this number has a specific value based on its location in the whole number. For example, the 5 in the thousands place has a value of 5,000.

CLICK HERE to Show what You Know!

In which place value location below does the 4 have a value of 4,000?

424,134

1 2 3 4 5 6 7 8 9 10



More Sample Slides

what is the biggest number you can make with the digits 0, 9, 2, 9, 3?

1 2 3 4 5 6 7 8 9 10

CLICK HERE to check your answers

Check Your Answers!

1 in the thousands place	6 the hundreds place
2 in the thousands period	7 50,000
3 30,000	8 1 (value: 10,000)
4 the 2	9 3 (30,000)
5 false, the value of the 6 is 600	10 99,320

Representing Numbers

There are 4 ways to represent a number: in standard form, in written form, in expanded form, and in model form.

In **standard form**, you show the value of the entire number using digits. **3,467**

In **written form**, you show the value of the entire number using words. **three-thousand, four-hundred sixty-seven**

In **expanded form**, you show the value of each digit from the entire number separately in an addition math sentence. **$3,000 + 400 + 60 + 7$**

In **model form**, you show the value of the entire number using base-ten blocks.

CLICK HERE to Show what You Know!

Using the **model** below, represent the number in **standard form**:

1 2 3 4 5 6 7 8 9 10

Comparing Numbers

Greater than $>$ Less than $<$ Equal to $=$

Compare the digits of each number from left to right. Determine the value of each digit.

736 $<$ **763**

$700 + 30 + 6$ $700 + 60 + 3$

When we compare numbers, we have to use the values of each digit in a number to determine if a number is greater than, less than, or equal to another number.

Take a look at 736 and 763. The numbers use the same digits, but in different place value locations. The digit in the hundreds place is the same, however, the digits in the tens and the ones places are different. I know that 3 tens (30) in 736 is less than 6 tens (60) in 763, so 736 is less than 763.

CLICK HERE to Show what You Know!

Compare the numbers below:

2,045 \bigcirc 1,576

1 2 3 4 5 6 7 8 9 10

Compare the numbers below:

\bigcirc 5,149

1 2 3 4 5 6 7 8 9 10

Ordering Numbers

Order from greatest to least:

34,510
43,734
35,510
35,410

Knowing place value comes in handy a lot! You can use place value to order several numbers.

When ordering numbers, I first need to write my numbers so that the place value locations of each number line up. Then, I compare the digits starting from the left. When I compare the digits in the ten-thousands place, the 4 in 43,734 is the greatest of all the numbers, so that's my largest number. I continue to do this with the remaining place value locations.

The correct order for the numbers in the yellow box are:
43,734
35,510
35,410
34,510

CLICK HERE to Show what You Know!

Order the numbers below from least to greatest:

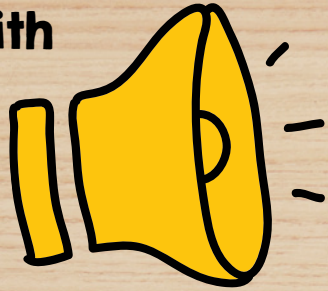
6,511
9,155
6,201
9,511

1 2 3 4 5 6 7 8 9 10



This LINKtivity is provided with

AUDIO SUPPORT



Comparing Numbers

Greater than

Less than

Equal to

Compare the digits of each number from left to right.
Determine the value of each digit.

736 **763**

$700 + 30 + 6$

$700 + 60 + 3$

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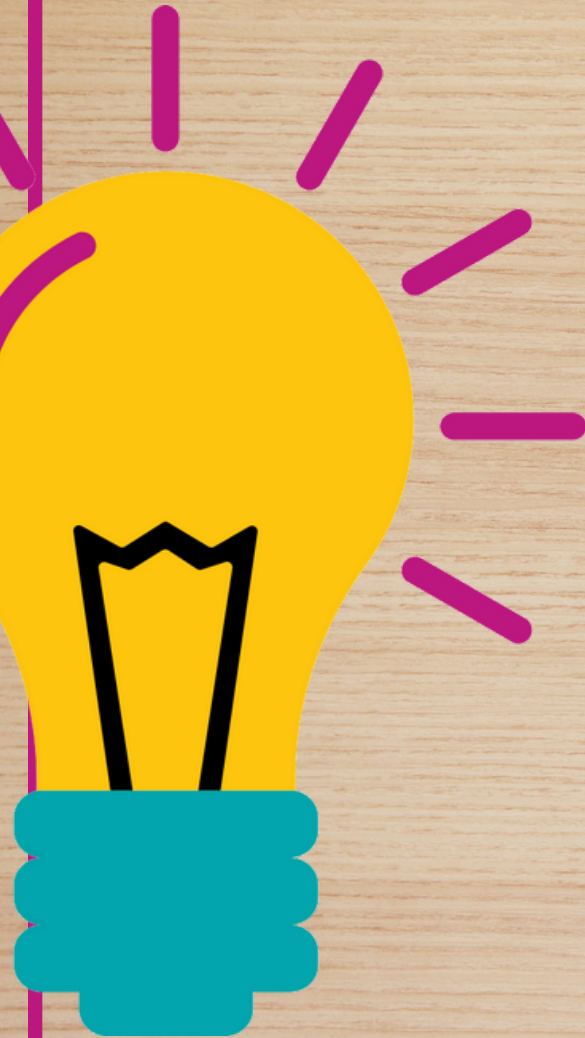
Take a look at 736 and 763. The numbers use the same digits, but in different place value locations. The digit in the hundreds place is the same, however, the digits in the tens and the ones places are different. I know that 3 tens (30) in 736 is less than 6 tens (60) in 763, so 736 is less than 763.

[CLICK HERE to Show what You Know!](#)

Perfect for English language learners or students who could use a little extra support!



SELF-CHECK



Students can complete a self-check at the end of each section before moving on.

Check Your Answers!

1	452,221 245,671 35,671 24,567	6	43,216 243,216 423,612 423,621
2	12,538 12,583 12,853 21,521	7	72,577 72,534 72,354 27,845
3	593 594 5,930 9,520	8	544,556 534,446 43,567 34,567
4	731,110 371,001 173,100 173,001	9	1,444 1,440 1,404 1,004
5	6,201 6,511 9,155 9,511	10	3,771 3,786 8,771 8,786



Printable & Digital Student Recording Sheet

Printable Recording Sheet for LINKtivity

Name: _____

Record your answers for each set of place value problems below.

Place Value Chart

1	6
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3	8
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5	10

Representing Numbers

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Digital Recording Sheet for LINKtivity in Google Slides

Answer Key

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Representing Numbers

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