4.NBT.1 Place Value: Reading & Writing Larger Numbers; Standard, Written & Expanded Form; Comparing Larger Numbers

I can...read and write larger whole numbers using numerals, words & expanded form up to the million place value, & compare.

LINGO

standard form
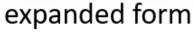
A number written with one digit for each place value. "Number Form"

Examples: 1 2 4 8 16 257 3,426 etc.

written form

A number written in words.

Example: three thousand, seven hundred, fifty-six

expanded form

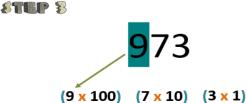A way to write numbers that shows the value of each digit in its place value.
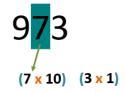
Example: (3x100) + (6x10) + (4x1)

3 6 4

HOW

STEP 1

973

(3 x 1)

The 3 is in the ones place.

STEP 2

973

(7 x 10)   (3 x 1)

The 7 is in the tens place.

STEP 3

973

(9 x 100)   (7 x 10)   (3 x 1)

The 9 is in the hundreds place.

STEP 4

973

(9 x 100) + (7 x 10) + (3 x 1)

Plug in the addition symbols.

PRACTICE

52,406

Four million, three hundred eighty thousand, six hundred thirty-three

Written form: _____

Standard form: _____

Expanded form: _____

_____

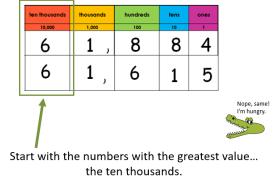Expanded form: _____

_____

$(4 \times 1{,}000) + (8 \times 100) + (3 \times 10) + (2 \times 1)$

Standard form: _____

Written Form: _____

_____
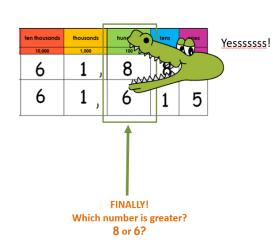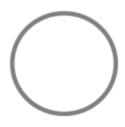
COMPARE

Which is greater?

ten thousands	thousands	hundreds	tens	ones
10,000	1,000	100	10	1
6	1 ,	8	8	4
6	1 ,	6	1	5

Start with the numbers with the greatest value... the ten thousands.

Nope, same! I'm hungry.

ten thousands	thousands	hundreds	tens	ones
10,000	1,000	100	10	1
6	1 ,	8	8	4
6	1 ,	6	1	5

Continue to compare and work your way to the right.

Yessssss!

ten thousands	thousands	hun	tens	ones
10,000	1,000	100		
6	1 ,	8		
6	1 ,	6	1	5

FINALLY!
Which number is greater?
8 or 6?

PRACTICE

57,983 ◯ 57,944

Compare these sets of numbers using < > or =
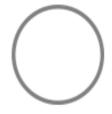
1,118 ◯ Eleven thousand and eighteen

30,000 + 10,000 + 2 ◯ 30,000 + 10,000 + 100 + 5

891,011 ◯ 890,000 + 1,000 + 10 + 1

180 ◯ Fifteen thousand and seven