Number Forms

Let's Review

- A digit is any number 0-9.
- The largest digit that can be in any place is 9 and the smallest is 0.
- A digit's value is affected by its place.
- Place is where a digit sits in a number.
- Value is how much the digit is worth.

That is Place Value Song!

(To the tune of Pop Goes the Weasel)

Ones, tens, hundreds,
Thousands, ten thousands,
Hundred thousands, millions,
That is place value!

What are We Learning?

Students will read and write numbers to 1000 using base-ten numerals, number names, and expanded form.

In Kid Terms Please

I understand place value, and I am able to write and read numbers in standard, expanded, and written form.

Knowing place value can help you do lots of different things with numbers! It can give you power over numbers! You now have the power to transform numbers!
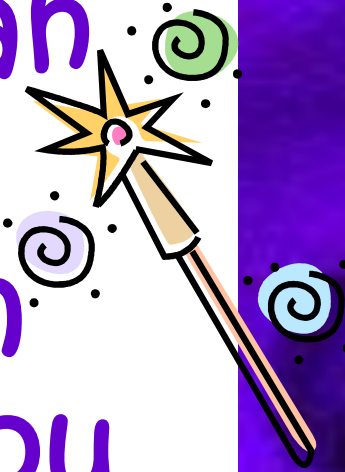
Number Forms

1. <u>Standard Form-</u> number forms
   Ex: 357   2,871

2. <u>Expanded Form-</u> showing the number
   as a sum of the value of its digits.
   Ex: 300+50+7 and 2,000+800+70+1

3. <u>Written Form-</u> writing a number using words.
   Ex: three hundred fifty-seven
   two thousand, eight hundred seventy-one

Let's Go from Standard to Expanded!

thousands	hundreds	tens	ones
	4	5	1
	400 +	50 +	1

Add 451 to Chart

Find the Values

Add + signs

Try It Again

...ds	hundreds	tens	
2	8	7	3
2,000 +	800 +	70 +	3

Try It With Your Partner

...ds	hundreds	tens	
4	0	6	9
4,000 +		60 +	9

Challenge Yourself

thousands	hundreds	tens	ones
8	9	2	5
+8,000	+900	+20	+5

3

30,000+

Add + signs

Number Form Song

To the tune of The Ants Go Marching

Numbers come in different forms
Hurrah, Hurrah
(Repeat)
Numbers come in different forms,
Expanded, Standard, and Written Form
But the number stays the same,
No matter…
What form it is in.

What is the expanded form of…?

4,367

4,000 + 300 + 60 + 7

What is the expanded form of?

56,803

50,000 + 6,000 + 800 + 3

Can You Work Backwards?

200 + 80 + 9 =

289

Hint: Put the values in the right place on your chart.

Try Another One

6,000+300+70+1=

6,371

Hint: Put the values in the right place on your chart.

Try This with Your Partner

20,000+ 8,000+500+90+3=

28,593

Hint: Put the values in the right place on your chart.

How do you write a number in written form?

4,367

4,000 + 300 + 60 + 7

Four thousand three hundred sixty-seven

Hint: Write it in expanded form first.

Let's Try another One

679

600 + 70 + 9

six hundred | seventy- | nine

Hint: Write it in expanded form first.

Try One with Your Partner

9,308

9,000 + 300 + 8

Nine thousand three hundred eight

Hint: Write it in expanded form first.

Here's a Challenge

Hint: Write it in expanded form first.

Now write what you see in words without the + signs.
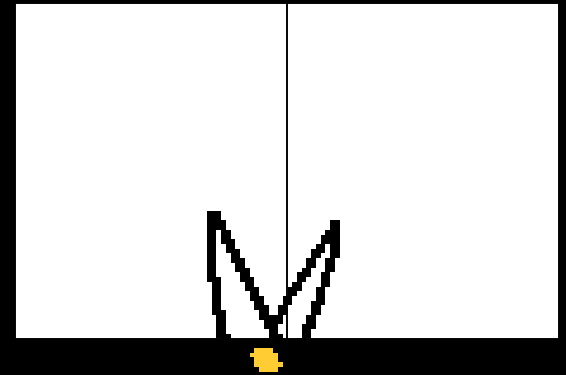
35,874

30,00+5,000+800+70+4

Thirty-five thousand eight hundred seventy- four

Hint: Read what comes before the comma first without looking at the rest of the number..

Time to Show What You Know

1. You are going to make a book about a number.
2. Fold your paper in half like a hamburger.
3. Cut along the folded line.
4. Place the 2 halves on top of each other.
5. Now fold them to create a book.

On front cover write:

The Story of

Number

___ ___ ___ ___

By

_____

Open to first page and write:

	Standard Form

Open next page and write:

	Expanded Form

Open to last page and write:

	Written Form

Now choose any four digit number and write your book about it. You can color it <u>after</u> you raise your hand and I approve your book for publishing!

Thank you for purchasing from Tricks of the Trade.
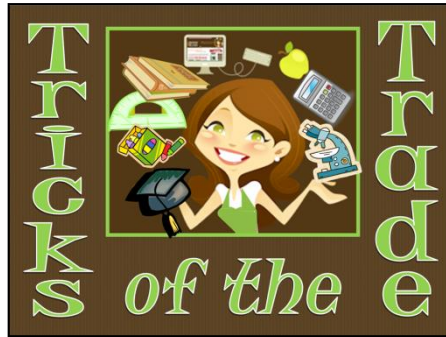
I use this Powerpoint presentation in my classroom as 4 day unit. I start off by reviewing place value and standard form. Next I move to expanded form using a place value chart. Next I work backwards from expanded form, and finally I add in written form. The majority of concepts in this presentation are based on Singapore Math strategies. I use several games and other activities that you can find in my store in my TpT store. I also use several videos which you can see on my blog at
http://tricksoftheteachingtrade.blogspot.com
or "Like" my Facebook
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