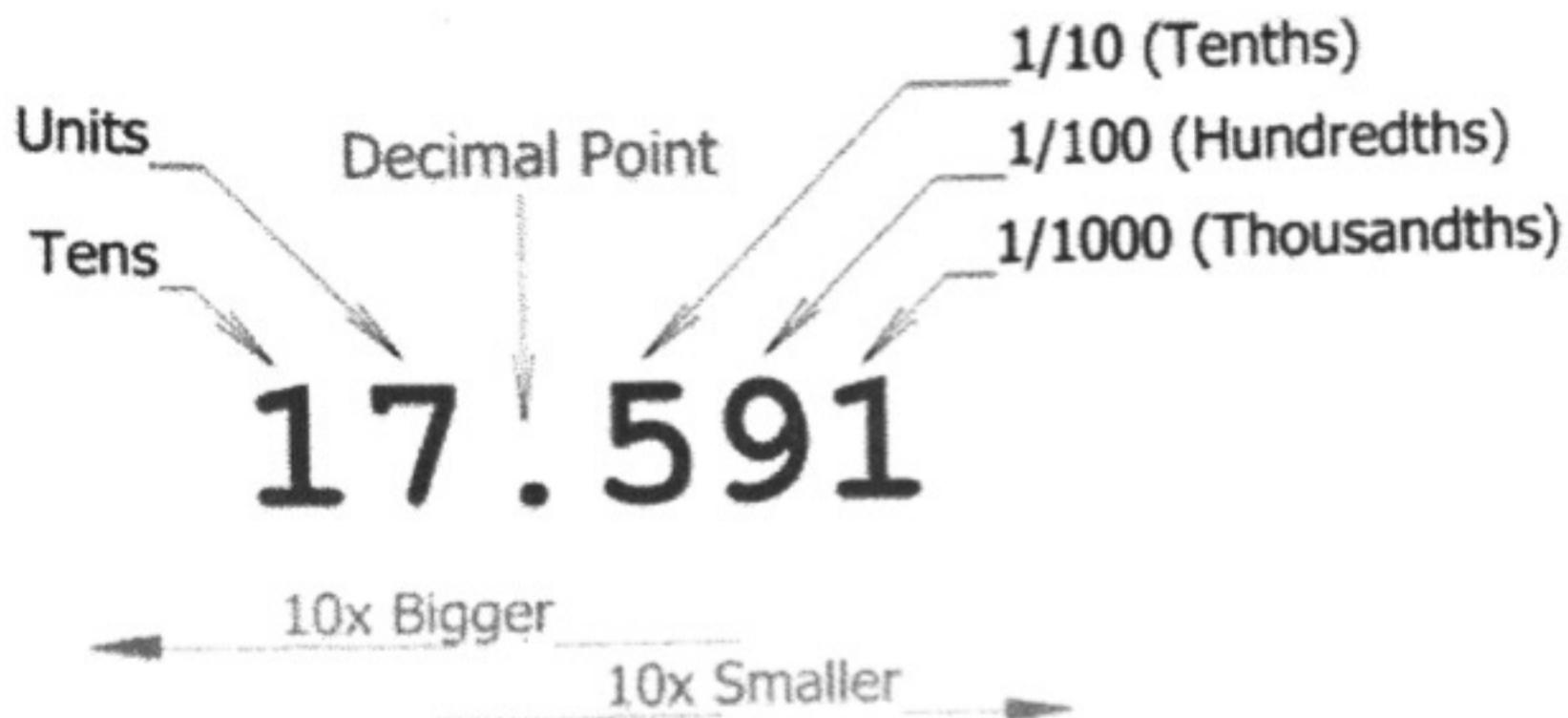


Decimal Place Value Interactive Notebook!



Decimal Place Value

thousands	hundreds	tens	ones	• tenths	hundredths	thousandths
	2	3	6	3	6	
2	3	4	3	6		
		2	3	6	3	6

Model the following numbers using the place value chart above.

1. 236.36
2. 2,363.6
3. 23.636

5.NBT.3

Numerals, Word Form, & Expanded Form

I can read and write decimals to thousandths using base-ten numerals, number names, and expanded form..

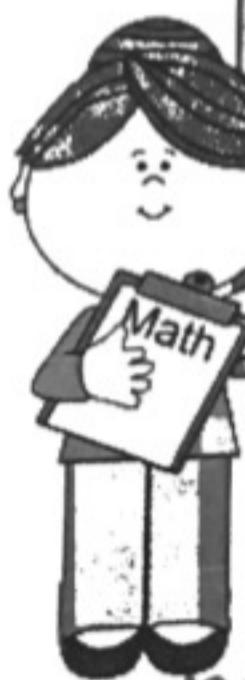
4 5 . 6 1 2

Tens	Ones	Tenths	Hundredths	Thousands
(10)	(1)	($\frac{1}{10}$)	($\frac{1}{100}$)	($\frac{1}{1,000}$)



Number Form:

45.612



Word Form

Forty-five
and SIX
hundred twelve
thousandths



Expanded Form

$$(4 \times 10) + (5 \times 1) + (6 \times \frac{1}{10}) + \\ (1 \times \frac{1}{100}) + (2 \times \frac{1}{1,000})$$

76.429

Expanded Form
 $(7 \times 10) + (6 \times 1) + (4 \times \frac{1}{10}) + (2 \times \frac{1}{100}) + (9 \times \frac{1}{1000})$

Word Form



seventy six
and four hundred
nine thousandths

forty-five and two hundred
sixty-one thousandths.

← Number Form
45.261

← Expanded Form
 $(4 \times 10) + (5 \times 1) + (2 \times \frac{1}{10}) + (6 \times \frac{1}{100}) + (1 \times \frac{1}{1000})$

$$(9 \times 10) + (3 \times 1) + \\ (6 \times \frac{1}{10}) + (5 \times \frac{1}{100})$$

Number Form



93.65

Word Form



Ninety three
and sixty
five hundredths

5.NBT.4

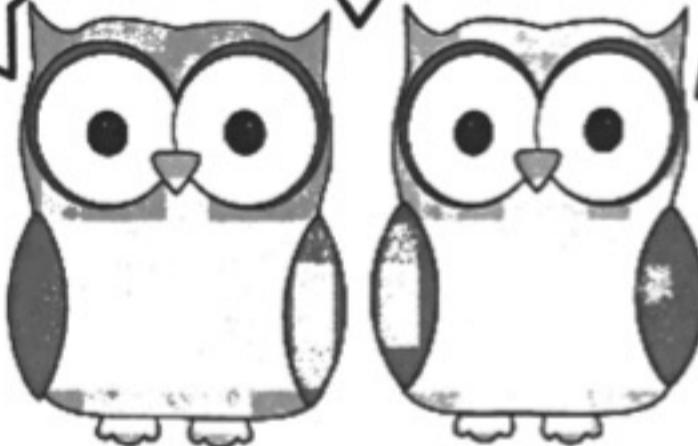
Rounding Decimals

I can use place value understanding to round decimals to any place.

Circle the digit that you are rounding to. Underline the digit to the right.

If the underlined digit is 5 or more, round up. If not, keep it as is.

The rest of the digits become zeros.



Round

27.589

to the nearest tenth

27.6

Round

3.648

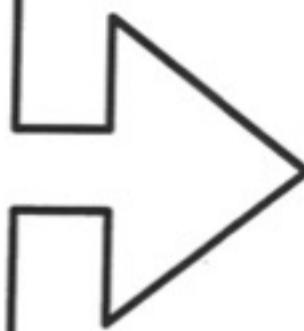
to the nearest hundredth

3.64

Round

19.643

to the nearest tenth

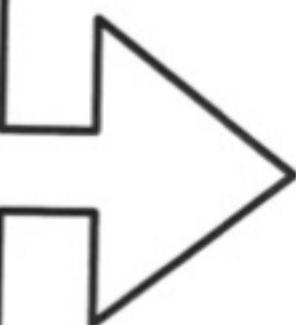


19.6

Round

5.872

to the nearest whole number



6

Round

36.735

to the nearest tenth



36.7

Round

7.568

to the nearest hundredth

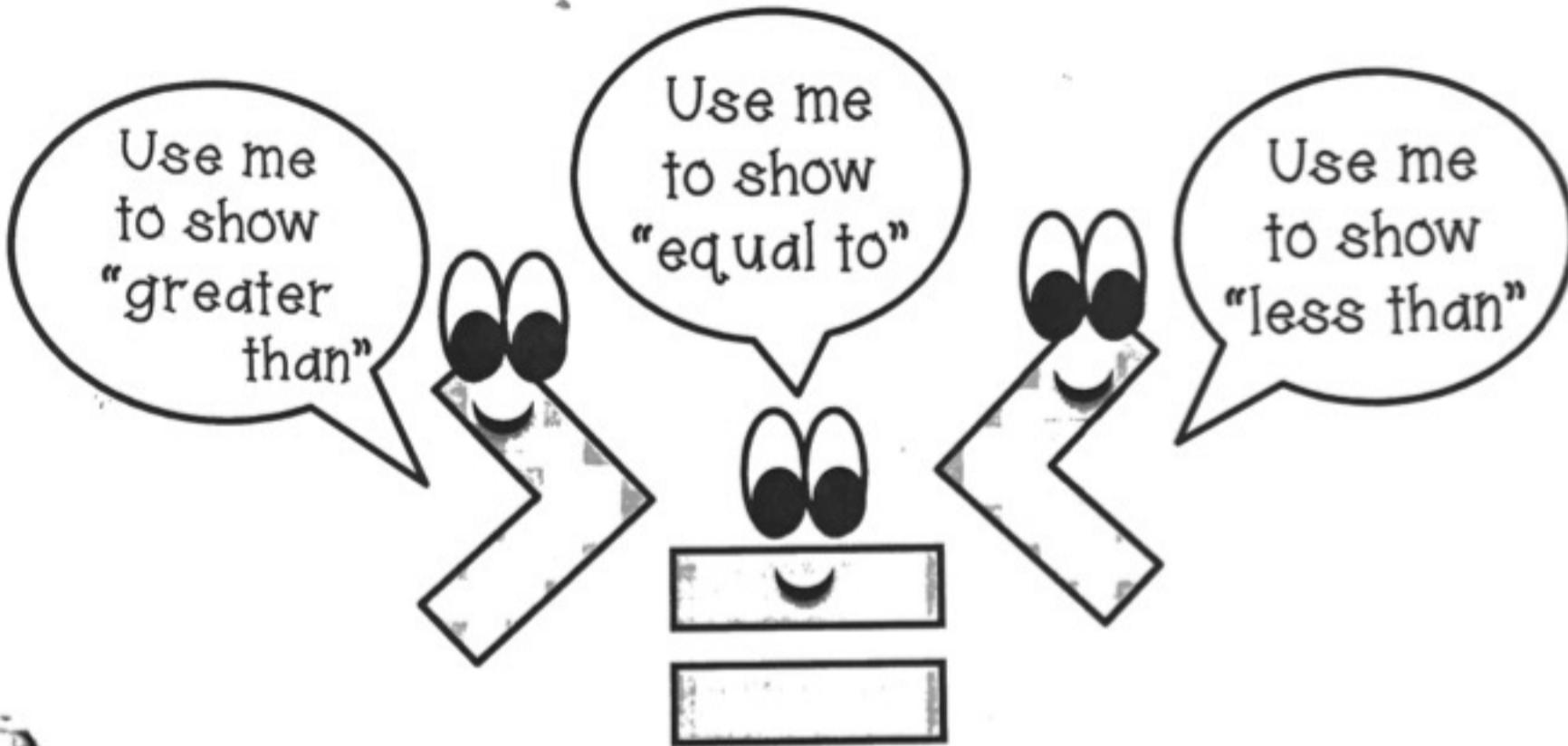


7.51

5.NBT.3

Comparing Decimals

I can compare two decimals, using $>$, $=$, $<$.



47.824 $<$ 47.842

Be a Math Detective



Compare 47.824 & 47.842

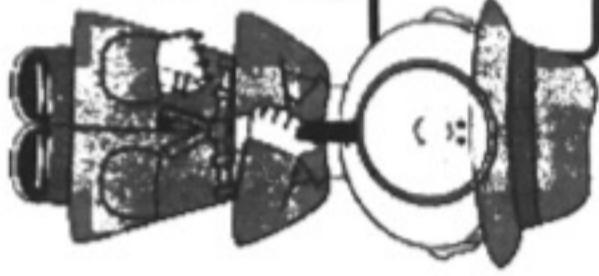
4	1	.	8	2	4
4	7	.	8	4	2

Line the numbers up and look closely when comparing



1	1	1	1
6	7	6	6
7	3	3	7
1	7	1	7

67.371  67.317



5	1	5	5
1	8	9	9
8	9	9	8
1	1	1	1

51.981  51.891



75.786

75.876

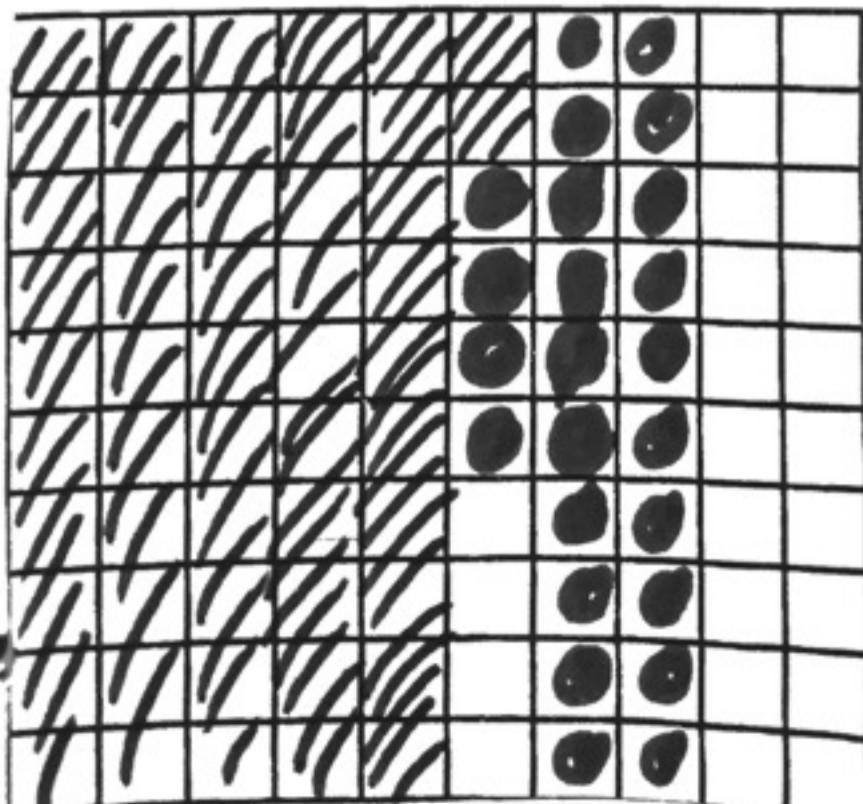
7	5	6	6
8	7	8	7
5	7	5	6
7	7	7	7



Modeling Decimal Addition & Subtraction

- ① Model the first number in your hundredths grid.
- ② Add or subtract the second number (term) by either modeling the new number with the old number OR crossing out the second value.
□=hundredths row=tenths

$$0.52 + 0.24 = 0.76$$

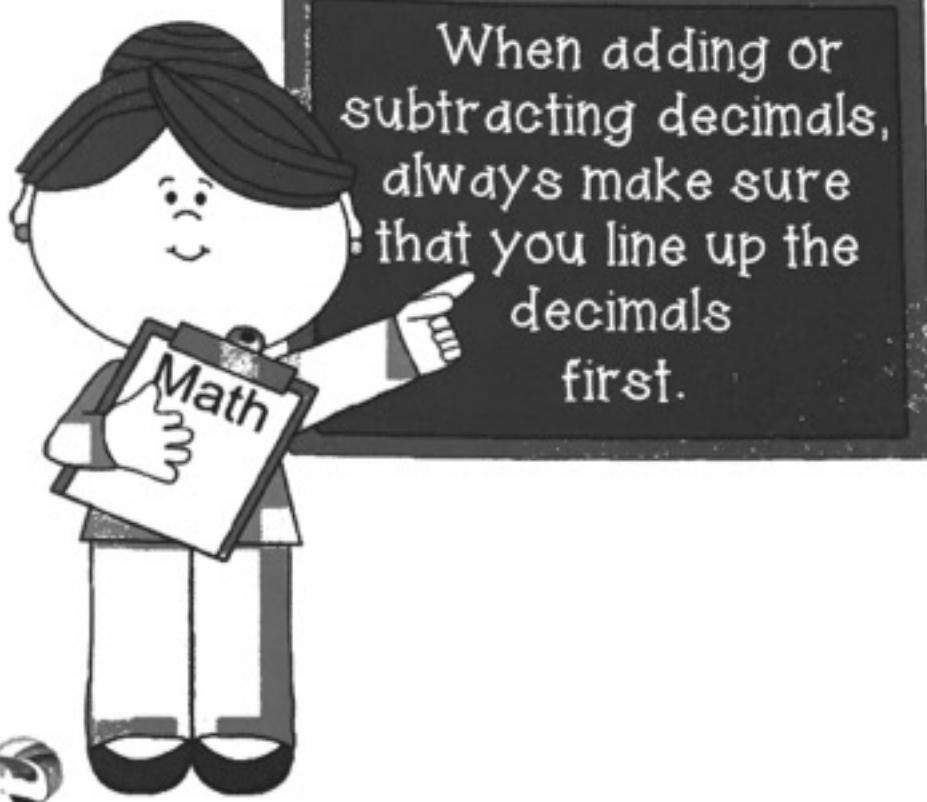


$$0.71 - 0.43 = 0.28$$



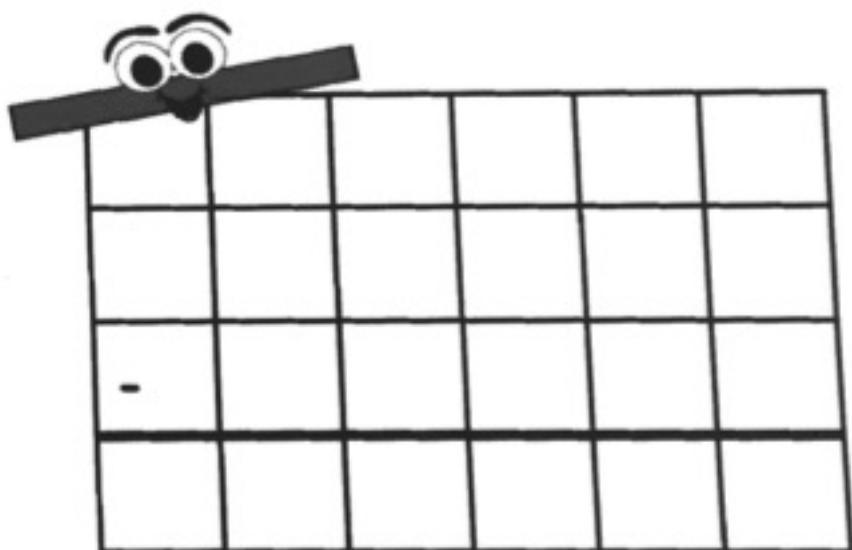
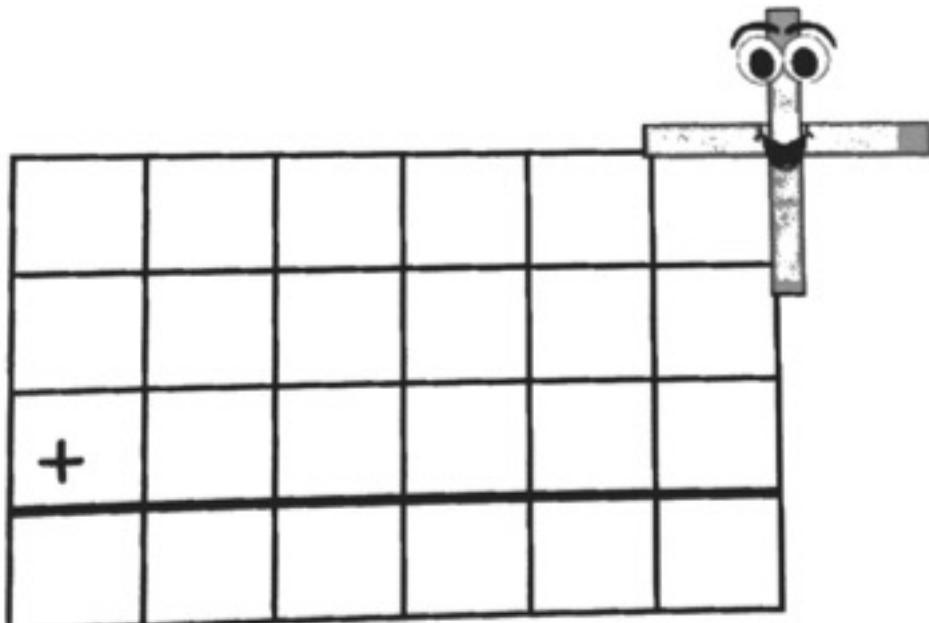
5.NBT.7 Addition & Subtraction of Decimals

I can add and subtract decimals to hundredths.



$$25.4 - 16.54$$

$$23.7 + 13.25$$



① $54.8 + 16.17$

② $36.3 - 18.17$

①

		5	4	8	0	
	+		1	0	1	7
			7	0	9	7

③ $15.81 + 19.2$

④ $41.82 - 23.79$

③

		1	5	8	1	
	+		1	9	2	
			3	5	0	1

①

		2	8	1	6	3	10
	-			1	8	1	7
				1	8	1	3

④

		3	4	1	8	12	
	-			2	3	7	9
				1	8	0	3