Hour

Name

Hundred thousandths

Ten- thousandth				0								
Thousandth			8	0								
Hundredth		5	7	0								
Tenth	2	4	3	0								
Decimal point and	•	•	•	•	•	•	•	•	•	•	•	•
One	—	0	0	5								
Ten		2		3								
Hundred				—								
Thousand												
Ten- thousand												
Hundred- thousand												
Million												

Name _____ Date _____ Class _____

LESSON 3-1

Reteach

Representing, Comparing, and Ordering Decimals

You can use place value to write decimals in standard form, expanded form, and word form.

To write 2.14 in expanded form, write the decimal as an addition expression using the place value of each digit.

Ones	Tenths	Hundredths	Thousandths	Ten Thousandths
2	1	4		

2.14 can be written as 2 + 0.1 + 0.04.

When you write a decimal in word form, the number before the decimal point tells you how many wholes there are. The decimal point stands for the word "and."

Notice that the place value names to the right of the decimal begin with tenths, hundredths, and then thousandths. The "ths" ending indicates a decimal.

2.14 can also be written as *two and fourteen hundredths.*

1. How would you read a number with 4 decimal places?

_____

Write each decimal in standard form, expanded form, and word form.

2.

Ones	Tenths	Hundredths	Thousandths	Ten Thousandths
5	6	9	8	

ninety-eight thousandths

Standard form 5.698

expanded form 5+.6+.09+.008

word form five and six hundred

3.

Ones	Tenths	Hundredths	Thousandths	Ten Thousandths
0	0	9	4	

s.f. 0.094

e.f. .09+.004

words ninety-four thousandths

4. 7 + 0.8 – expanded form

7.8

seven and eight tenths

5. twelve-hundredths – word form

0.12

.1 + .02

Standard form 0.0369

Expanded form **0.03 + 0.006 + 0.0009**

Word form three hundred sixty-nine ten-thousandths

Standard form 14.08

Expanded form 10+4+.08

Word form **fourteen and eight hundredths**

Standard form **1.12**

Expanded form 1+0.1+0.02

Word form one and twelve hundredths

Nov 26-1:13 PM

Standard form 0.6087

Expanded form **0.6 + 0.008 + 0.0007**

Word form six thousand eighty-seven ten-thousandths

Standard form 11.02

Expanded form 10+1+0.02

Word form **eleven and two hundredths**

Nov 26-1:14 PM

Name _____ Date _____ Class _____

LESSON 3-1

Reteach

Representing, Comparing, and Ordering Decimals (cont.)

You can use place value to compare decimals.
Use < or > to compare the decimals.

Ones	Tenths	Hundredths	Thousandths	Ten Thousandths
3	7	6	8	
3	7	5	4	

0.06 > 0.05, so 3.768 > 3.754.

Compare. Write >, <, or =.

6.

Ones	Tenths	Hundredths	Thousandths	Ten Thousandths
1	0	3		
1	3			

1.03 ☐ 1.3

7.

Ones	Tenths	Hundredths	Thousandths	Ten Thousandths
4	6	7		
4	6	7	0	

4.67 ☐ 4.670

8.

Ones	Tenths	Hundredths	Thousandths	Ten Thousandths
0	3	6	4	5
0	3	4	6	5

0.3645 ☐ 0.3465

9. 8.53 ☐ 8.053

10. 2.253 ☐ 2.1345

11. 0.87 ☐ 0.08703

You can use place value to order decimals.

To order 9.76, 8.59, and 9.24, from least to greatest, first compare the numbers in pairs.

Ones	Tenths	Hundredths	Thousandths	Ten Thousandths
9	7	6		
8	5	9		
9	2	4		

9.76 > 8.59, 8.59 < 9.24, 9.76 > 9.24.

So the numbers from least to greatest are 8.59, 9.24, 9.76.

Write the decimals in order from least to greatest.

12. 0.54, 0.43, 0.52

_____

13. 3.43, 3.34, 3.4

_____

14. 8.9, 9.8, 9.5

_____

15. 0.83, 0.8, 0.083

_____

16. 1.1, 0.01,1.01

_____

17. 6.5, 6.0, 0.6

_____