Hour

Name

Ten- thousandth												
Thousandth												
Hundredth												
Tenth												
Decimal point	•	•	•	•	•	•	•	•	•	•	•	•
One												
Ten												
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	

Standard form _____

expanded form _____

word form _____

3.

Ones	Tenths	Hundredths	Thousandths	Ten Thousandths
0	0	9	4	

_____

_____

_____

4. 7 + 0.8 - expanded form

_____

_____

5. twelve-hundredths – word form

_____

_____

Standard form

Expanded form **0.03 + 0.006 + 0.0009**

Word form

Standard form

Expanded form

Word form **fourteen and eight hundredths**

Standard form **1.12**

Expanded form

Word form

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Standard form

Expanded form **0.6 + 0.008 + 0.0007**

Word form

Standard form

Expanded form

Word form **eleven and two hundredths**

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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

_____