

## Reteaching Page

**3.1 Representing, Comparing and Ordering Decimals**

Use place value to write decimals in

**Standard Form:** 8.306**Expanded Form:**  $8 + 0.3 + 0.006$ **Word Form:** eight **and** three hundred six thousandths

Notice the values to the right of the decimal point end with the letter “ths”. “ths” indicates a decimal value.

Ones	.	Tenths	Hundredths	Thousandths	Ten-Thousandths
8	.	3	0	6	

**Use a Place Value Chart** to help you write the following in standard, expanded and word form.

Ones	.	Tenths	Hundredths	Thousandths	Ten-Thousandths
0	.	2	1	8	4

**Standard:** 0.2184**Expanded:**  $0.2 + 0.01 + 0.008 + 0.0004$ **Word Form:** Two thousand one hundred eighty-four  
ten-thousandths

Ones	.	Tenths	Hundredths	Thousandths	Ten-Thousandths
6	.	3	2	0	7

**Standard:** \_\_\_\_\_**Expanded:** \_\_\_\_\_**Word Form:** \_\_\_\_\_

Tens	Ones	.	Tenths	Hundredths	Thousandths	Ten-Thousandths

**Standard:** \_\_\_\_\_**Expanded:** \_\_\_\_\_**Word Form:** \_\_\_\_\_Forty- two and three hundred five ten-thousandths

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**3.1b Comparing and Ordering Decimals****Steps**

- 1) Line up the decimals 7.4862
- 2) Add 0's to make a box 7.4852
- 3) Compare from left to right

$$7.4862 \quad \underline{\hspace{1cm}} \quad 7.4852$$

Use a Place Value Chart to help you.

$$7.4862 \quad \underline{>} \quad 7.4852$$

Ones	.	Tenths	Hundredths	Thousandths	Ten-Thousandths
7	.	4	8	6	2
7	.	4	8	5	3

Use the steps above to help you compare the following.

$$\underline{\hspace{1cm}} \text{ 1) } 0.0011 \quad \underline{\hspace{1cm}} \quad 0.011$$

$$\underline{\hspace{1cm}} \text{ 3) } 2.267 \quad \underline{\hspace{1cm}} \quad 2.261$$

$$\underline{\hspace{1cm}} \text{ 2) } 1.989 \quad \underline{\hspace{1cm}} \quad 1.981$$

$$\underline{\hspace{1cm}} \text{ 4) } 5.600 \quad \underline{\hspace{1cm}} \quad 5.6$$

**Ordering Decimals**

0.15 ; 0.009 ; 0.8

0.150    2  
0.009    1  
0.800    3

0.009 ; 0.15 ; 0.8

Ones	.	Tenths	Hundredths	Thousandths	
0	.	1	5	0	2
0	.	0	0	9	1
0	.	8	0	0	3

Use the steps above to help you order the following data sets from least to greatest.

$$4) \quad 2.2 \ ; \ 5.091 \ ; \ 0.1 \ ; \ 0.01$$

$$6) \quad 0.024 \ ; \ 0.1 \ ; \ 0.0752$$

$$5) \quad 1.7 \ ; \ 1.12 \ ; \ 1.86$$

$$7) \quad 0.008 \ ; \ 0.02 \ ; \ 0.018 \ ; \ 0.1$$