

Name _____ Number _____

Unit Exam Review

Below are examples and directions for everything covered on the exam.
Read through this page and then do the practice problems on page .

- **Standard Form:** When writing a number in standard form, you simply write the digits in the correct place value.

Example: 267,234 is written in standard form.

- **Expanded Form:** When writing a number in standard form, every place value must be represented.

Example: 267,234 written in standard form is $200,000 + 60,000 + 7,000 + 200 + 30 + 4$

267,234

$200,000 + 60,000 + 7,000 + 200 + 30 + 4$

- **Word Form:** Write the number in words. Say the word softly to yourself and make sure you write every word you say.

Example: 267,234 in word form is two hundred sixty-seven thousand, two hundred thirty four.

- **Ordering & comparing numbers** line up the place value of the numbers. Begin at the left, find the first place where the digits are different and compare them.

Example:

33,414

↑↑↑

33,515

5 hundreds > 4 hundreds

so

33,515 is greater than 33,414

- **Ordering numbers:** After you compare the numbers, list the numbers in the order requested. Be sure to read careful to see if the numbers should be written from least to greatest or greatest to least.

Example: Write the following numbers from greatest to least: 34,267
22,678 33,414 33,515

34,267 33,515 33,414 22,678

- **Comparing numbers:** After you compare the numbers, use the correct symbols to show greater than, less than and equal to.
 $>$ means greater than and $<$ means less than. Remember the tip of the symbol points to the smallest number.

Example: 33,515 $>$ 33,414
22,678 $<$ 34,267

- **Rounding numbers:** Draw a line under the place value of the digit to be rounded. Look at the digit to the right of the number.

If the number less than 5, then the underlined number stays the same.
If the number is 5 or more, then the underlined number increases by 1.

All the digits to the right of the underlined number become zeroes.

Round to the nearest ten thousand. 367,211

⁰⁰⁰
367,211
↑

367,000

7 is more than 5, so the 6 will increase
All the digits to the right of the
number become zeroes.