NAME_____

Module 5 **Decimal Operations, Exponents, and Powers**
Lesson 1 **Rounding and Comparing Decimals**

Lesson Notes 5.1

Lesson Objectives

- Round and compare decimals to a given place value (whole number, tenths, hundredths, and thousandths).

Subtopic 1 Rounding Decimals to a Given Place Value

- Rounding a number is finding the value of a number based on a given _____ _____.

To round a decimal:

- Find the digit in the _____ place.
- Look at the number to its _____.
- If the digit is _____ or greater, increase rounding number by _____.
- If the digit to the right is _____ than five, the rounding number _____.
- Replace digits to the right with _____.

1 Round 4.81 to the nearest tenth.

2 Round 0.428 to the nearest hundredth.

3 Round 38.573 to the nearest whole number.

Subtopic 2 Comparing Positive Decimals

- The symbol for "less than" is ___ .
- The symbol for "greater than" is ___ .
- The symbol for "is equal to" is ___ .
- On a number line, the number on the left is always _____ than the number on the right.

To compare two positive decimals using place value:

- Compare the numbers in each place value, starting from the _____.
- Compare until the values are _____.
- The greater value is the _____.
- A positive number is always _____ than a negative number.

Use <, >, or = to compare the decimals.

4 4.25 and 4.25

5 0.054 and 0.09

Subtopic 3 Comparing Negative Decimals

- The greater the _____of a negative number, the _____ the number.

Use <, >, or = to compare the decimals.

6 -67.2 and -76.3

7 -8.001 and -8.1