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

Notes 5.1

Lesson Objectives

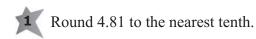
• Round and compare decimals to a given place value (whole number, tenths, hundredths, and thousandths).

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 _____.



Round 0.428 to the nearest hundredth.

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.



4.25 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.



-67.2 and -76.3



-8.001 and -8.1