**Lesson Plan Date: August 22 - 26, 2016**

**Teacher Name:** Mr. Hagedorn

**Hour:** 5th

**Subject: Algebra**

**Objectives:**

1. TSW simplify expressions involving exponents and use the order of operations to evaluate expressions.
2. TSW classify, graph, and compare real numbers and to find and estimate square roots.
3. TSW identify and use properties of real numbers.
4. TSW be assessed over Sections 1-4 of Chapter 1 content.
5. TSW find sums and differences of real numbers.
6. TSW find products and quotients of real numbers.
7. TSW use the Distributive Property to simplify expressions.

**Monday**

**Learning Target(s):** 1. I can use order of operations to simplify expressions.

**Bell Ringer: Simplify each expression.**

1. **2 · 3 · 4**
2. **½ · 36**
3. **16 – 4 + 7**

**Activity:** Students will simplify powers and numerical expressions by applying the order of operations. Students will also evaluate algebraic expressions.

**Assignment:** Page 13 #10 – 34 even, 38 – 44 even, 46, 52, 54, 56, 61 - 72

**Tuesday**

**Learning Target(s):** 1. I can simplify square root expressions.

2. I can classify and compare real numbers.

**Bell Ringer:** Launch problem for 1-3

**Activities:**  Students will simplify square root expressions, estimate a square root, classify and compare real numbers and graph and order real numbers.

**Assignment:**  Page 20 #10, 12, 18, 20 – 26 even, 28, 32, 36, 38, 42, 46, 50, 52 – 66 even, 72 – 74, 76 – 80 even

**Wednesday**

**Learning Target(s):** 1. I can identify and use real number properties to simplify expressions.

2. I can use deductive reasoning to prove a statement is false and give a counterexample.

**Bell Ringer:** Lesson quiz for 1-2

**Activities:** Students will identify properties of real numbers and use the properties for mental calculations. Students will also use the properties to write equivalent expressions. The lesson will end with deductive reasoning and counterexamples.

**Assignment:** Page 26 #8 – 56 even, 58 – 61, 62 – 64

**Thursday**

**Learning Target(s):**

**Bell Ringer: Which property is illustrated by each statement?**

1. (m + 7.3) + 4.1 = m + (7.3 + 4.1)
2. 5p · 1 = 5p
3. 12x + 4y + 0 = 12x + 4y
4. (3r)(2s) = (2s)(3r)

**Activities:** Students will take a quiz over sections 1 – 4 of chapter 1. Students will then work on a logic problem.

**Assignment:** Logic Problem

**Friday**

**Learning Target(s):** I can add and subtract positive and negative numbers.

**Bell Ringer:** Lesson Quiz 1-3

**Activity:** Students will add and subtract real numbers.

**Assignment:** Page 34 #10 – 68 even, 70 – 74, 76 – 82 even