

**Teachers:** Jovan “Joey” Filipic and Rebecca Klein

**Grade and Subject:** Grade 5 Math

**Lesson Topic:** Representing and Ordering Whole Numbers

**Overall Expectations:**

- Read, represent, compare, and order whole numbers to 100 000 (*Number Sense and Numeration*)

**Specific Expectations:**

- Represent, compare, and order whole numbers, using a variety of tools (*Quantity Relationships*)

**Learning Goals:**

- Students will be able to represent whole numbers in a variety of ways
- Students will be able to compare and order whole numbers using various methods

**Success Criteria:**

- Students will be able to order whole numbers using a number line
- Students will be able to compare numbers based on multiplying and dividing factors
- Students will be able to represent numbers visually (diagrams), written (spelling of the number), and mathematically (addition, subtraction, etc.)

**Resources:**

- Sheets of paper with different representations whole numbers on them
- Big chart paper
- Markers

**Lesson:**

**Open Activity. (aka ‘Minds on’)** (5-10min)

*“The Number Line Run”*

**Part One:**

- Students will be given a piece of paper with different representations of whole numbers on it. They cannot look at their paper until instructed.
- Student will be given further instructions: working together, they will order themselves from either least to greatest or greatest to least within the time limit of 30 seconds.