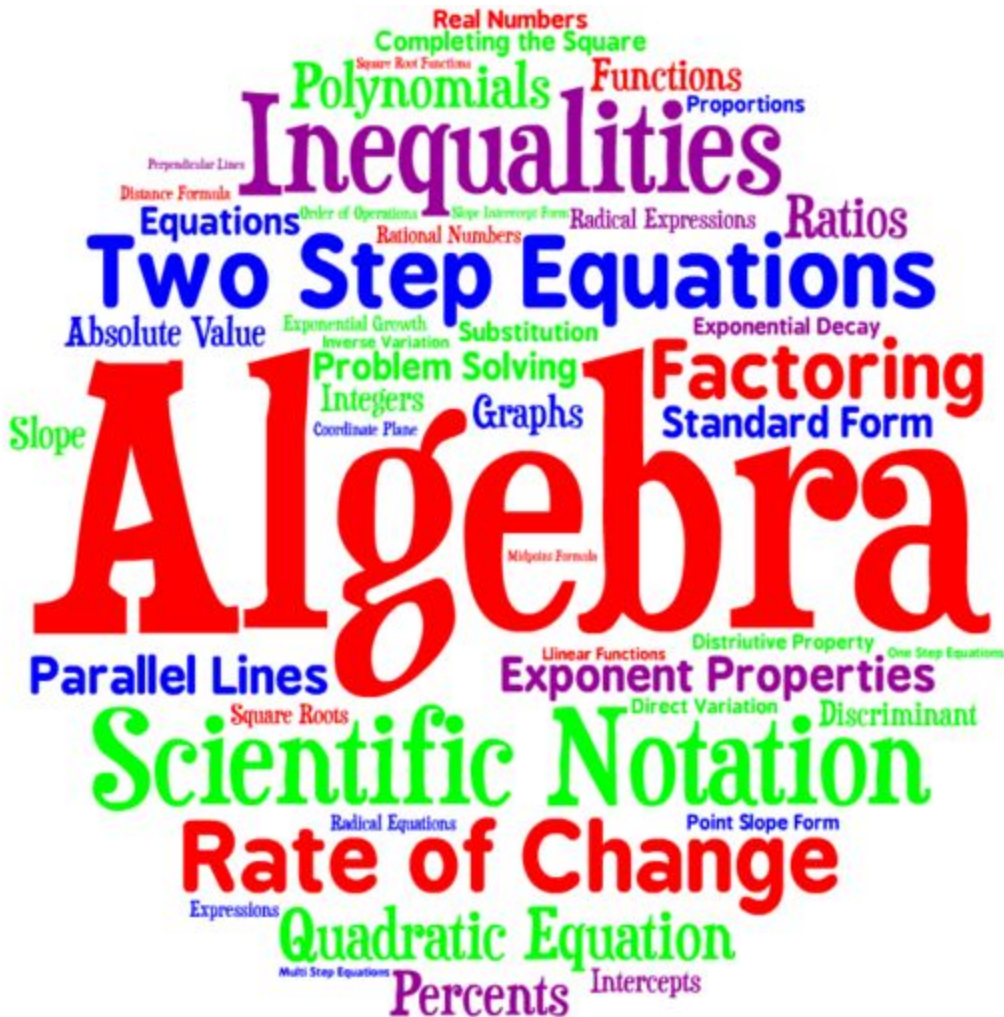


# Algebra 1

## Quarter I Unit 1: Fundamentals of Algebra



"I have never let my schooling interfere with my education" –Mark Twain

### overview

In this unit, we will explore some of the fundamentals of Algebra that will set the foundation for the remainder of the year. Some topics include: Expressions, Number Systems, and Properties of Addition and Multiplication for Real Numbers.

**guiding question I: How do we represent real life situations in mathematical terms?**

**lessons**

Thursday 8/30 Friday 8/31	<p>1.1 Evaluate Expressions</p> <p><b>Vocabulary:</b> Term, Coefficient, Constant Term, Variable, Algebraic Expression, Power, Base, Exponent  <b>Practice Set:</b> p. 5-7: #4-14 (Even); 16-44 (Even); 49-54</p>
Monday 9/3 Tuesday 9/4	<p>Monday- No School</p> <p>Tuesday- Review &amp; Group Activity</p>
Thursday 9/6 Friday 9/7	<p>1.3: Write Expressions</p> <p><b>Vocabulary:</b> Verbal Model, Rate, Unit Rate  <b>Practice Set:</b> p. 18-19: #3-29 (Odd)  <b>Task:</b> Term Sort</p> <p>1.2: Apply Order of Operations</p> <p><b>Vocabulary:</b> Order of Operations  <b>Practice Set:</b> Spin to Win (at least 15 rounds)</p>
Monday 9/10 Tuesday 9/11	<p>2.1: Use Integers and Rational Numbers</p> <p><b>Vocabulary:</b> Whole Numbers, Integers, Rational Numbers, Natural Numbers, Irrational Numbers  <b>Practice Set:</b> TBD</p>
Thursday 9/13 Friday 9/14	<p>2.2-2.4; 2.6: Properties of Real Numbers (Day 1)</p> <p><b>Vocabulary:</b> Additive Identity, Additive Inverse, Multiplicative Identity, Multiplicative Inverse, Reciprocal  <b>Practice Set:</b> TBD</p>
Monday 9/17 Tuesday 9/18	<p>2.5: Properties of Real Numbers (Day 2)</p> <p><b>Vocabulary:</b> Equivalent Expressions, Distributive Property, Like Terms  <b>Practice Set:</b> “Like Terms Maze”</p>

Thursday 9/20 Friday 9/21	Review  Vocabulary Due  Assessment: Fundamentals of Algebra
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Assignment Guidelines:***Individual Work***

**Vocabulary:** (Create a Graphic Organizer, Mind Map, or Flash Cards for the following vocabulary words below.)

DUE on day of Assessment (9/20 or 9/21)

**Practice Sets:** You will find the problems in the textbooks located in the classroom **OR** in the pdf form on Google Classroom. You must complete the whole set for full credit.

DUE every Thursday

**Warm Ups:** available daily on Google Classroom in the first 5 minutes of class.

***Group***

**Task:** Complete the activities and write out the steps for future reference.

DUE at the end of class