

## 7<sup>th</sup> grade and Pre-Algebra Bullets of Mastery

### Integers, Decimals, and Fractions

- Naming decimal places and rounding
- Writing numbers with words
- Adding and subtracting
- Multiplying
- Dividing
- Factoring
- Greatest common factor
- Least common multiple
- Simplifying fractions
- Converting fractions and decimals

### Beginning Algebra

- Verbal expressions
- Order of operations
- The Distributive Property

### Equations

- One-step equations
- Two-step equations
- Multi-step equations

### Inequalities

- Graphing single-variable inequalities
- One-step inequalities
- Two-step inequalities
- Multi-step inequalities

### Factors and Exponents

- Divisibility
- Properties of exponents
- Writing scientific notation
- Operations and scientific notation

### Proportions and Similarity

- Checking for a proportion
- Solving proportions
- Proportions word problems
- Similar figures
- Similar figures word problems

### Percents

- Fractions, decimals, and percents
- Percents

Percent of change  
Markup, discount, and tax

#### Linear Equations and Inequalities

Plotting points  
The Midpoint Formula  
Slope  
Graphing linear equations  
Writing linear equations  
Graphing linear inequalities  
Graphing systems of equations  
Solving systems of equations by substitution

#### Plane Figures

Drawing and measuring angles  
Angle relationships  
Triangles  
Quadrilaterals  
Area of triangles and quadrilaterals

#### Solid Figures

Classifying, volume, and surface area

Throughout the year, we try to develop an understanding of how to be organized with notes and use notes to guide themselves to understanding.