

# GOOD SHEPHERD EPISCOPAL SCHOOL

## 7<sup>TH</sup> GRADE MATH YEAR AT A GLANCE

Trimester	Month	Topics	Skills
First Trimester	August	Introduction Expectations Diagnostic Assessment	
	September	Review Algebraic Expressions Integers Properties	Multiplying and Dividing Decimals Coordinate Plane Order of Operations Write and Evaluate Expressions Integers and Absolute Value Operations with Integers Properties of Numbers Distributive Property Simplify Variable Expressions Variables and Equations
	October	Solving One-Step Equations and Inequalities Decimals and Equations	Solve Equations by using Inverse Operations Inequalities and their Graphs Solve Inequalities by using Inverse Operations Mean, Median, and Mode Round and Estimate Estimate Decimal Products and Quotients Using Formulas Solve Equations with Decimals by using Inverse Operations Metric System
Second Trimester	November (End of First Trimester/ Beginning of Second Trimester)	Factors Fractions Exponents	Divisibility Rules Factors Exponents Prime Factorization Greatest Common Factor Simplifying Fractions Rational Numbers Exponents and Multiplication Exponents and Division Powers of Products and Quotients Scientific Notation
	December	Operations with Fractions	Comparing and Ordering Rational Numbers Fractions and Decimals Operations with Fractions and Mixed Numbers Customary Units Solving Equations with Fractions using Inverse Operations

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	January	Ratios Proportions Percents	Ratios and Unit Rates Solve Proportions Similar Figures Scale Drawings Probability and Odds Fractions, Decimals, and Percents Proportions and Percents Proportions and Equations Percent of Change Markup and Discount
	February	Percents Solving Equations	Proportions and Equations Percent of Change Markup and Discount Solve Two-Step Equations Solve Multi-Step Equations Multi-Step Equations with Fractions and Decimals Write an Equation
Third Trimester	March	Solving Equations Solving Inequalities Linear Functions	Solving Equations with Variables on Both Sides Solving Two-Step Inequalities Transforming Formulas Relations and Functions
	April	Linear Functions Graphing	Equations with Two Variables Slope and y-intercept Write Rules and Linear Functions Scatter Plots Solve by Graphing Solve Systems of Linear Equations Graph Linear Inequalities
	May	Spatial Thinking Review Exam	Points, Lines, and Planes Angle Relationship and Parallel Lines Classifying Polygons Congruences Circles Translations Symmetry Reflections Rotations

\* This YAG will change. It is meant only to provide a quick look at the topics that will be addressed during the school year. Class progress, ERB testing, school trips, and inclement weather will all merit YAG adjustments.