

# GOOD SHEPHERD EPISCOPAL SCHOOL

## 5<sup>th</sup> Grade Math Year at a Glance

Trimester	Topics	Skills
<b>First Trimester</b>	Whole Numbers	Numbers to 10,000,000 and decimals to hundredths - M Place Value to hundredths - M Comparing Numbers to 10,000,000, Decimals and Fractions - M Rounding and Estimating - M
	Whole Numbers Multiplication and Division	Using a Calculator - I/R Multiplying by 10s, 100s and 1000s - M Multiplying by Powers of 10s - M Multiplying by 2-digit Numbers - M Dividing by 10s, 100s and 1000s - M Dividing by 2-digit Numbers - M Order of Operations - R Real-World Problems: Multiplication and Division
	Area Part 1	Perimeter and Area of Polygons - R Finding the Area of a Rectangle with Fractional Side Lengths - M
	Fractions and Mixed Numbers	Review- Adding and Subtracting like and unlike fractions - M Comparing and Ordering Fractions - I Prime Factorization - I Common Denominator/Least Common Multiple - I Greatest Common Factor - R Adding Unlike Fraction - R Subtracting Unlike Fractions - R Fractions, Mixed Numbers and Division Expressions Expressing Fractions, Division Expressions and Mixed Numbers as Decimals - M Adding Mixed Numbers - R Subtracting Mixed Numbers - R Real-World Problems: Fractions and Mixed Numbers
Second Trimester	Multiplying and Dividing Fractions	Multiplying Proper Fractions - I Real-World Problems: Multiplying with Proper Fractions Multiplying Improper Fractions by Fractions - I Multiplying Mixed Number and Whole Numbers - I Real-World Problems: Multiplying with Mixed Numbers Dividing Fractions and Whole Numbers - I Real-World Problems: Multiplying and Dividing with Fractions.
Second Trimester	Multiplying and Dividing Decimals	Review Adding and Subtracting Decimals - R Multiplying Decimals - I Multiplying by 10s, 100s and 1000s - I Dividing Decimals - I Dividing by 10s, 100s and 1000s - I Estimating Decimals - I Real-World Problems: Decimals

Second Trimester	Ratio	Finding Ratio - R Equivalent Ratios - I Real-World Problems: Ratios Ratios in Fraction Form - R Real-World Problems: More Ratios
Second Trimester	Rates	Find and Compare using unit rates - I
Second Trimester	Percent	Understanding Percent - R Expressing Fractions as Percents - converting between fractions, decimals and percents - I Real World: Percent
Second Trimester	Algebra	Number Patterns and Relationships - M Writing Algebraic Expressions - I Using Letters as Numbers - I Simplifying Algebraic Expressions - solving addition, subtraction, multiplication and dividing - I Inequalities and Equations - I Real-World Problems: Algebra
Third Trimester	Graphs & Probability	Mean, Median, Mode, Range and Outliers - I Making and Interpreting Double Bar Graphs - R Graphing an Equation - coordinate plane - I/R Combinations - tree diagram - basic probability - I Theoretical Probability and Experimental Probability - R
	Geometry Review	Identify and name a point - M Identify and name a ray - M Identify and name a line segment - M Identify and name a line - M
	Angles	Review acute, obtuse, right, straight - R Angles on a Line - I Angles at a Point - angle sums and exterior angle totals - I Vertical Angles - I
	Area Part 2	Base and Height of a Triangle - I Finding the Area of a Triangle - I
Third Trimester	Properties of Triangles and Four-sided Figures	Classifying Triangles - I Measures of Angles of a Triangle - I Right, Isosceles, and Equilateral Triangles - I Parallelogram, Rhombus and Trapezoids - I
	Three Dimensional Shapes	Identify shapes - bases, faces, sides vertices of 3D shapes - R Prisms and Pyramids - R Cylinder, Sphere and Cone - R

	Surface Area and Volume	Nets of a 3D Shape/Surface Area - R Building Solids Using Unit Cubes - I Drawing Cubes and Rectangular Prisms - I Understanding and Measuring Volume - I Volume of a Rectangular Prism and Liquid - I
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*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.*