Fifth Grade – Math Curriculum Guide Overview (rev 2018)

Marking Period 1	Marking Period 2	Marking Period 3	Marking Period 4
Math Fact Fluency: Review (addition, subtraction, multiplication and division). Use teacher created notebooks. Set up guided math routines.	Unit 3: Multiplication and Division with Fractions	Unit 5: Division with Whole Numbers and Decimals	Unit 8: Measurement and Data
Unit 1: Addition and Subtraction with Fractions	M05.A-F.2.1.2 Multiply a fraction (including mixed numbers) by a fraction.	M05.A-T.1.1.2 Explain patterns in the number of zeros of the product when multiplying a number by powers of 10 and explain patterns in the placement of the decimal point when a decimal is multiplied or divided by a power of 10. Use whole-number exponents to denote powers of 10	M05.C-G.2.1.1 Classify two-dimensional figures in a hierarchy based on properties.
M05.A-F.1.1.1 Add and subtract fractions (including mixed numbers) with unlike denominators. (May include multiple methods and representations.)	M05.A-F.2.1.4 Divide unit fractions by whole numbers and whole numbers by unit fractions.		M05.D-M.1.1.1 Convert between different-sized measurement units within a given measurement system. A table of equivalencies will be provided.
Unit 2: Addition and Subtraction with Decimals	Unit 4: Multiplication with Whole Numbers and Decimals	M05.A-T.2.1.2 Find whole-number quotients of whole numbers with up to four-digit dividends and two-digit divisors.	M05.D-M.2.1.1 Solve problems involving computation of fractions by using information presented in line plots.
M05.A-T.1.1.1 Demonstrate an understanding that in a multi-digit number, a digit in one place represents 1/10 of what it represents in the place to its left.	M05.A-T.1.1.2 Explain patterns in the number of zeros of the product when multiplying a number by powers of 10 and explain patterns in the placement of the decimal point when a decimal is multiplied or divided by a power of 10. Use whole-number exponents to denote powers of 10.	M05.A-T.2.1.3 Add, subtract, multiply, and divide decimals to hundredths (no divisors with decimals).	M05.D-M.2.1.2 Display and interpret data shown in tallies, tables, charts, pictographs, bar graphs, and line graphs, and use a title, appropriate scale, and labels. A grid will be provided to display data on bar graphs or line graphs.
M05.A-T.1.1.3 Read and write decimals to thousandths using base-ten numerals, word form, and expanded form.	M05.A-T.1.1.3 Read and write decimals to thousandths using base-ten numerals, word form, and expanded form.	M05.A-F.2.1.1 Solve word problems involving division of whole numbers leading to answers in the form of fractions (including mixed numbers).	M05.D-M.3.1.1 Apply the formulas V = l × w × h and V = B × h for rectangular prisms to find volumes of right rectangular prisms with whole-number edge
M05.A-T.1.1.4 Compare two decimals to thousandths based on meanings of the digits in each place using >, =, and < symbols.	M05.A-T.2.1.1 Multiply multi-digit whole numbers (not to exceed three-digit by three-digit).	Unit 6: Operations and Problem Solving	lengths in the context of solving real-world and mathematical problems. Formulas will be provided.
M05.A-T.1.1.5 Round decimals to any place (limit rounding to ones, tenths, hundredths, or thousandths place).	M05.A-T.2.1.3 Add, subtract, multiply, and divide decimals to hundredths (no divisors with decimals).	M05.A-F.2.1.1 Solve word problems involving division of whole numbers leading to answers in the form of fractions (including mixed numbers).	

M05.A-T.2.1.3 Add, subtract, multiply, and divide decimals to hundredths (no divisors with decimals).	M05.B-O.1.1.2 Write simple expressions that model calculations with numbers and interpret numerical expressions without evaluating them.	M05.A-F.2.1.3 Demonstrate an understanding of multiplication as scaling (resizing). M05.B-O.1.1.1 Use multiple grouping symbols (parentheses, brackets, or braces) in numerical expressions and evaluate expressions containing these symbols. Unit 7: Algebra, Patterns, and Coordinate Graphs M05.B-O.1.1.1 Use multiple grouping symbols (parentheses, brackets, or braces) in numerical expressions and evaluate expressions containing these symbols M05.B-O.1.1.2 Write simple expressions that model calculations with numbers and interpret numerical expressions without evaluating them. M05.B-O.2.1.1 Generate two numerical patterns using two given rules. M05.B-O.2.1.2 Identify apparent relationships between corresponding terms of two patterns with the same starting numbers that follow different rules. M05.C-G.1.1.1 Identify parts of the coordinate plane (x-axis, y-axis, and the origin) and the	M05.D-M.3.1.2 Find volumes of solid figures composed of two non-overlapping right rectangular prisms. End of Year/Post PSSA Testing Mean, Median, Mode, Range Convert Fraction, Decimals, and Percents Positive and Negative integers 4-Coordinate Graphing Circles-Pi Elapsed Time Proportions, Ratios, Probability Transformations Review Angle Measurements

		ordered pair (x-coordinate and y-coordinate). Limit the coordinate plane to quadrant I. M05.C-G.1.1.2 Represent real-world and mathematical problems by plotting points in quadrant I of the coordinate plane and interpret coordinate values of points in the context of the situation.	