Revised: 5/29/24
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JC Schools 4th Grade Yearly Math Standards

(* District determined Priority Standard)

Units	Priority Standards	Supporting Standards
Getting Started	**Standards for Mathematical Practice** 1. Make sense of problems and persevere in solving them 2. Reason abstractly and quantitatively 3. Construct viable arguments and critique the reasoning of others 4. Model with mathematics 5. Use appropriate tools strategically 6. Attend to precision 7. Look for and make use of structure 8. Look for and express regularity in repeated reasoning	
Module 1 Place Value Concepts for Addition and Subtraction	**4.NBT.A.5*** Demonstrate fluency with addition and subtraction of whole numbers. **4.RA.A.2** Solve multi-step whole number problems involving the four operations and variables and using estimation to interpret the reasonableness of the answer.	**4.NBT.A.1** Round multi-digit whole numbers to any place. **4.NBT.A.2** Read, write, and identify multi-digit whole numbers up to one million using number names, base ten numerals, and expanded form. **4.NBT.A.3** Compare two multi-digit numbers using the symbols >, =, or <, and justify the solution. **4.NBT.A.4** Understand that in a multi-digit whole number, a digit represents ten times what it would represent in the place to its right. **4.RA.A.1**

		Multiply or divide to solve problems involving a multiplicative comparison. **4.GM.C.6.a** Know relative sizes of measurement units within one system of units a. Convert measurements in a larger unit in terms of a smaller unit.
Module 2 Place Value Concepts for Multiplication and Division	**4.NBT.A.6*** Multiply a whole number of up to four digits by a one-digit whole number and multiply two two-digit numbers, and justify the solution. **4.NBT.A.7*** Find whole-number quotients and remainders with up to four-digit dividends and one-digit divisors, and justify the solution. **4.RA.C.6** Generate a number pattern that follows a given rule. **4.GM.C.7** Use the four operations to solve problems involving distances, intervals of time, liquid volume, weight of objects, and money. **4.GM.C.8** Apply the area and perimeter formulas for rectangles to solve problems.	**4.RA.A.1** Multiply or divide to solve problems involving a multiplicative comparison. **4.RA.B.4** Recognize that a whole number is a multiple of each of its factors and find the multiples for a given whole number. **4.RA.B.5** Determine if a whole number within 100 is composite or prime, and find all factor pairs for whole numbers within 100. **4.RA.C.7** Use words or mathematical symbols to express a rule for a given pattern. **4.GM.C.6.a** Know relative sizes of measurement units within one system of units a. Convert measurements in a larger unit in terms of a smaller unit.
Module 3 Multiplication and Division of	**4.NBT.A.6*** Multiply a whole number of up to four digits by a one-digit whole number and multiply two two-digit numbers, and justify the solution.	**4.GM.C.6.a** Know relative sizes of measurement units within one system of units a. Convert measurements in a larger unit in terms of a smaller unit.

Multi-Digit Numbers	**4.NBT.A.7*** Find whole-number quotients and remainders with up to four-digit dividends and one-digit divisors, and justify the solution. **4.RA.A.2** Solve multi-step whole number problems involving the four operations and variables and using estimation to interpret the reasonableness of the answer. **4.RA.A.3** Solve whole number division problems involving variables in which remainders need to be interpreted, and justify the solution. **4.GM.C.7** Use the four operations to solve problems involving distances, intervals of time, liquid volume, weight of objects, and money.	
Module 4 Foundations for Fraction Operations	**4.NF.A.2** Recognize and generate equivalent fractions. **4.NF.A.3** Compare two fractions using the symbols >, =, or <, and justify the solution. **4.NF.B.6** Solve problems involving adding and subtracting fractions and mixed numbers with like denominators. **4.NF.B.8** Solve problems involving multiplication of a fraction by a whole number. **4.GM.C.7**	**4.NF.A.1** Explain and/or illustrate why two fractions are equivalent. **4.NF.B.4** Understand addition and subtraction of fractions as a joining/composing and separating/decomposing parts referring to the same whole. **4.NF.B.5** Decompose a fraction into a sum of fractions with the same denominator and record each decomposition with an equation and justification. **4.NF.B.7**

	Use the four operations to solve problems involving distances, intervals of time, liquid volume, weight of objects, and money. **4.DS.A.3** Analyze the data in a frequency table, line plot, bar graph, or picture graph.	Apply and extend previous understandings of multiplication to multiply a fraction with a whole number. **4.DS.A.1** Create a frequency table and/or line plot to display measurement data. **4.DS.A.2** Solve problems involving addition and subtractions by using information presented in a data display.
Module 5 Place Value Concepts for Decimal Fractions	**4.NF.C.10** Understand that fractions and decimals are equivalent representations of the same quantity. **4.NF.C.12** Compare two decimals to the hundredths place using the symbols >, =, or <, and justify the solution.	**4.NF.C.9** Use decimal notation for fractions with denominators of 10 or 100. **4.NF.C.11** Read, write, and identify decimals to the hundredths place using number names, base-ten numerals, and expanded form.
Module 6 Angle Measurements and Plane Figures	**4.GM.A.2** Classify two-dimensional shapes by their sides and/or angles. **4.GM.B.4** Identify and estimate angles and their measure.	**4.GM.A.1** Draw and identify points, lines, line segments, rays, angles, perpendicular lines, and parallel lines. **4.GM.A.3** Construct lines of symmetry for a two-dimensional figure. **4.GM.B.5** Draw and measure angles in a whole number degrees using a protractor.