

Scope and Sequence – Bridge to Math 6/7

Standards	Essential Skills and Knowledge
5.NBT.A.1: Recognize that in a multi-digit number, a digit in one place represents 10 times as much as it represents in the place to its right and one tenth of what it represents in the place to its left. 5.NBT.A.2: Explain patterns in the number of zeroes of the product when multiplying a number by powers of 10, and explain patterns in the placement of the decimal point when a decimal point is multiplied or divided by a power of 10. Use whole number exponents to denote powers of 10. 5.NBT.A.3: Read, write, and compare decimals to the thousandths place. 5.NBT.A.4: Use place value to round decimals to any place. 5.NBT.B.5: Fluently multiply multi-digit whole numbers using the standard algorithm. 5.NBT.B.6: Find whole-number quotients of whole numbers with up to four-digit dividends and two-digit divisors. 5.NBT.B.7: Add, subtract, multiply and divide decimals to the hundredths place.	• Identify place value of individual digits in multi-digit whole numbers and decimals. • Interpret exponents with powers of 10. • Multiply and divide numbers by powers of 10. • Recall multiplication and division facts. • Identify the meaning of the divisor. • Select and use accurate and efficient methods to perform operations with whole numbers. • Use concrete models and representations to perform operations with decimals. • Interpret real-world situations to solve a variety of whole number/decimal computation problems.
5.NF.A.1: Use equivalent fractions as a strategy to add and subtract fractions. 5.NF.A.2: Solve word problems involving addition and subtraction of fractions. 5.NF.B.4: Apply and extend previous understandings of multiplication to multiply a fraction or a whole number by a fraction. 5.NF.B.6: Solve real world problems involving multiplication of fractions and mixed numbers. 5.NF.B.7: Apply and extend previous understandings of division to divide unit fractions by whole numbers and whole numbers by unit fractions.	• Create equivalent fractions by finding common denominators in order to add or subtract fractions. • Use benchmark fractions to estimate. • Apply knowledge of multiplying whole numbers to multiplying fractions. • Recognize a fraction as a representation of division. • Relate division of whole numbers to division of fractions. • Determine the amount of a unit fraction in a whole. • Divide unit fractions by a whole number. • Understand multiplication and division as equal groups or equal shares. • Interpret real-world situations to solve a variety of fraction computation problems.

5.OA.A.1: Use parenthesis, brackets, or braces in numerical expressions, and evaluate expressions with these symbols. 5.OA.A.2	• Understand the difference between expressions and equations. • Interpret words into numerical expressions and numerical expressions into words. • Write expressions using grouping symbols and operations. • Use the four operations and place value to evaluate expressions with and without grouping symbols.
5.G.B.3: Understand that attributes belonging to a category of two- dimensional figures also belong to all subcategories of that category. 5.G.B.4: Classify two-dimensional figures in a hierarchy based on properties.	• Categorize figures based on their geometric properties. • Classify quadrilaterals and triangles based on their geometric properties. • Organize shapes into categories and subcategories. • Make connections between categories and subcategories of two-dimensional figures.