



Duration (in Days)	Content	Topics	Assessment	Standards
15 days	Number Theory	<ul style="list-style-type: none"> • Rectangular arrays • Factors • Divisibility • Prime/composite numbers • Square numbers • Prime factorization 	Entrance slips Exit slips In class assignments Quizzes Unit test	5.NBT.1 5.NBT.2 5.OA.2
20 days	Estimation and Computation	<ul style="list-style-type: none"> • Add/subtract/multiply whole numbers & decimals • Estimation/rounding • Place value • Add/subtract/multiplication word problems • Compare & order numbers 	Entrance slips Exit slips In class assignments Quizzes Unit test	5.NBT.3 5.NBT.3a 5.NBT.3b 5.NBT.4 5.NBT.5 5.NBT.6 5.NBT.7
20 days	Geometry Explorations	<ul style="list-style-type: none"> • Lines, line segments, rays • Parallel, perpendicular, intersecting lines • Angles/angle measurement • Triangles: acute, right, obtuse, equilateral, isosceles, scalene • Congruent figures • Tessellations • Rotations, reflections, dilations, translations (flips, slides, turns, enlargement, reduction) • Angles of polygons • Classification of 2-D & 3-D shapes • Adjacent/vertical angles • Graph points on a coordinate grid 	Entrance slips Exit slips In class assignments Quizzes Unit test	5.G.1 5.G.2 5.G.2a 5.G.3 5.G.4 5.G.5

Duration (in Days)	Content	Topics	Assessment	Standards
15 Days	Division of Whole Numbers and Decimals	<ul style="list-style-type: none"> • Division by 1 & 2 digits • Decimal division • Interpreting the remainder • Map scales • Division word problems • Solve for 1 variable 	Entrance slips Exit slips In class assignments Quizzes Unit test	5.NF.5 5.NBT.6 5.NBT.7 5.MD.7
20 Days	Fraction Basics Review	<ul style="list-style-type: none"> • Mixed numbers • Compare/order fractions • Equivalent fractions • GCF/LCM • Reducing fractions 	Entrance slips Exit slips In class assignments Quizzes Unit test	5.NF.2 5.NF.3
15 days	Addition & Subtraction of Fractions and Mixed Numbers	<ul style="list-style-type: none"> • Add fractions • Subtract fractions • Add mixed numbers • Subtract fraction from whole number • Subtract mixed numbers 	Entrance slips Exit slips In class assignments Quizzes Unit test	5.NF.1 5.NF.2
15 Days	Multiply and Divide Fractions	<ul style="list-style-type: none"> • Multiply fractions • Multiply mixed numbers • Find the whole, given the Fraction or percent of a whole • Divide fractions 	Entrance slips Exit slips In class assignments Quizzes Unit test	5.NF.3 5.NF.6 5.NF.4 5.NF.7 5.NF.4a 5.NF.7a 5.NF.5 5.NF.7b 5.NF.5a 5.NF.7c 5.NF.5b
15 Days	Measurement	<ul style="list-style-type: none"> • Perimeter • Area: rectangles, triangles, parallelograms, irregular shapes • Customary & Metric unit conversions • Determining distance using map scale 	Entrance slips Exit slips In class assignments Quizzes Unit test	5.NF.4b 5.NF.5 5.MD.1 5.MD.3 5.MD.3a 5.MD.3b 5.MD.4 5.MD.5 5.MD.5a 5.MD.5b 5.MD.5c

Duration (in Days)	Content	Topics	Assessment	Standards
15 Days	Data Collection and Graphs	<ul style="list-style-type: none"> • Coordinates & graphing • Bar/double bar graphs • Circle graphs • Line/double line graphs • Line plot • Stem-and-leaf plot • Function tables • Graph function tables 	Entrance slips Exit slips In class assignments Quizzes Unit test	5.MD.2 5.MD.6 5.MD.7 5.G.1 5.G.2 5.G.2a 5.OA.1 5.OA.2 5.OA.3
25 Days	Algebra Concepts and Skills	<ul style="list-style-type: none"> • Solve simple equations • Write simple algebraic expressions • Rules, tables, graphs • Rules of Order for Operations • Rate • Exponential notation • Scientific Notation • Using parentheses in equations 	Entrance slips Exit slips In class assignments Quizzes Unit test	5.OA.1 5.OA.2 5.OA.3 5.NBT.2

Resources

Smart Exchange <https://exchange.smarttech.com/>

Everyday Math program resources <http://everydaymath.uchicago.edu/>

Fractions www.visualfractions.com

Math practice www.aaamath.com

Math practice www.onlinemathlearning.com

Math practice www.funbrain.com

Math practice www.commoncoresheets.com

Prodigy Math <https://prodigygame.com>

IXL Math <https://www.ixl.com>

XtraMath <https://xtramath.org/#/home/index>

Khan Academy <https://www.khanacademy.org>

Essential Questions (by Domain)

<i>Operations and Algebraic Thinking</i> 5.0A	<i>Numbers and Operations in Base Ten</i> 5.NBT	<i>Number and Operations – Fractions</i> 5.NF	<i>Measurement and Data</i> 5.MD	<i>Geometry</i> 5.G
<p>*What can affect the relationship between numbers?</p> <p>*How can patterns help us problem solve?</p> <p>*How are the values of an algebraic expression and numerical expression found?</p> <p>*How is the order of an expression determined?</p> <p>*How can you write a variety of expressions that have the same value?</p> <p>*How do parenthesis, brackets, and braces affect the way you simplify expressions?</p> <p>*How are the values of an algebraic expression and numerical expression found?</p>	<p>*What patterns occur in our number system?</p> <p>*How do we solve problems with whole numbers and decimals?</p> <p>*How can you describe the relationship between any two place-value positions?</p> <p>*How can you use exponents to represent powers of 10?</p> <p>*How can we use place value to read, write, round, and compare (represent) whole numbers and decimals to a given place value?</p> <p>*Which mathematical skills are necessary to be fluent in computation?</p> <p>*How can you represent rational numbers in multiple ways?</p> <p>*What are the standard procedures for adding, subtracting, multiplying, and dividing whole numbers and decimals?</p> <ul style="list-style-type: none"> • How can you use the inverse of a numerical operation to help you compute an answer? • What occurs when decimals are multiplied, divided, or ordered by 10 or powers of 10? 	<p>*How does multiplying fractions relate to real world problems?</p> <p>*How do you show multiplying fractions in a visual model?</p> <p>*How do you simplify fractions?</p> <p>*How is computation with rational numbers similar or different to whole number computation?</p> <p>*How do you add and subtract fractional parts with like and unlike denominators?</p> <p>*How do you add and subtract mixed numbers?</p> <p>*How is computation with rational numbers similar or different to whole number computation?</p> <p>*How do you use previous understandings of multiplication and division to multiply or divide fractions?</p> <p>*How does multiplication and division of fractions help to solve real world problems?</p> <p>*What does it mean to multiply a number by a fraction?</p> <p>*What are the standard procedures for estimating and finding products and quotients of fractions and mixed numbers?</p>	<p>*How do we represent the inside of a 3 dimensional figure?</p> <p>*In the real world, how do you solve problems relating to measurement?</p> <p>*What is volume and how is it used in real life?</p> <p>*How do you determine the volume of a cube or rectangular prism?</p> <p>*How can three-dimensional shapes be represented and analyzed?</p> <p>*What does the volume of a rectangular prism mean and how can it be found? How does it relate to the area of a rectangle?</p> <p>*How do you compare and convert units of measure using the metric system?</p> <p>*What are the metric measurement units and how are they related?</p> <p>*What occurs when whole numbers are multiplied or divided by 10 or a power of 10?</p> <p>*How can problems be solved using information represented in a line plot?</p> <p>*How can numbers be used to describe certain data sets?</p>	<p>*What are the properties of 2 dimensional figures?</p> <p>*How can we describe, classify, and name different shapes (polygons, triangles, and quadrilaterals)?</p> <p>*How can angles be measured and classified?</p> <p>*Why is it important to use precise language and mathematical tools in the study of two-dimensional shapes?</p> <p>*How can describing, classifying, and comparing properties of two-dimensional shapes be using in solving problems in our three-dimensional world?</p> <p>*What is the purpose of a coordinate plane?</p> <p>*How do you plot a point on a coordinate plane?</p> <p>*How can graphing points on a coordinate plane help you predict and interpret a given situation?</p> <p>*How can we show the relationship between sequences on a graph?</p> <p>*How can graphing points on the coordinate plane help to solve real world and mathematical problems?</p>