Target Standard	"I Can" statements	Vocabulary	Time
			Frame
Chapter 1: 5.NBT.1- Recognize that in multi-digit number, a digit in one place represents 10 times as much as it represents to its right and 1/10 of what it represents to its left. 5.NBT.3- read, write and compare decimals to thousandths	 I can understand and explain the value of digits. 5.NBT.1 I can read write and compare decimals to the thousandths. 5.NBT.3 	Decimal point Decimal Equivalent decimals Expanded form Period Place Standard form Place value	Trimester 1
Chapter 2: 5.NBT.2- Explain patterns in the number of zeros of the product when multiplying a number by powers of 10, and explain patterns in 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. 5.NBT.5- Fluently multiply multi-digit whole numbers using the standard algorithm	 I can explain patterns when multiplying a number by powers of 10. 5.NBT.2 I can explain patterns when a decimal is multiplied or divided by a power of 10. 5.NBT.2 I can multiply multi-digit whole numbers 5.NBT.5 	Base Compatiable numbers Cubed Distributive property Exponent Power Powers of 10 Prime factorization	Trimester 1
Chapter 3 5.NBT.6- Find whole-number quotients of whole numbers with up to four- digit dividends and two- digit divisors, using based strategies on place value, the properties of operations and/or the relationship between multiplication and division. Illustrate and explain the	 I can divide four-digit dividends by two digit divisors. 5.NBT.6 I can illustrate and explain a division problem using equations, arrays and/or models. 5.NBT.6 	Dividend Divisor Fact family Partial quotients Quotients Remainder Unknown Variable	Trimester 1

calculations by using equations,		
rectangular arrays and/or area models.		
Chapter 4	I can divide four-digit dividends by Dividend	
5.NBT.6- Find whole-number quotients	two digit divisors. 5.NBT.6 Divisor	
of whole numbers with up to four- digit	I can illustrate and explain a Fact family	
dividends and two- digit divisors, using	division problem using equations, Partial quotients	Trimester 2
based strategies on place value, the	arrays and/or models. 5.NBT.6 Quotients	
properties of operations and/or the	Remainder	
relationship between multiplication and	Unknown	
division. Illustrate and explain the	Variable	
calculations by using equations,		
rectangular arrays and/or area models.		
Chapter 5	I can use place value understanding Associative property of	
5.NBT.4- Use place value understanding	to round decimals to any place. addition	
to round decimals to any place.	5.NBT.4 Commutative property of	Trimester 2
5.NBT.7- Add, subtract, multiply and	 I can add, subtract, multiply, and addition 	
divide decimals to hundredths, using	divide decimals to hundredths. I Identity property of addition	
concrete models or drawings and	can use concrete models or Inverse operations	
strategies based on place value,	drawings to explain the method	
properties of operations, and/or the	used. 5.NBT.7	
relationship between addition and		
subtraction; relate the strategy to a		
written method and explain the		
reasoning used.		
Chapter 6	I can explain patterns when Associative property of	
5.NBT.2- Explain patterns in the	multiplying a number by powers of addition	
number of zeros of the product when	10. 5.NBT.2 Commutative property of	
multiplying a number by powers of 10,	I can explain patterns when a addition	Trimester 2
and explain patterns in placement of	decimal is multiplied or divided by Identity property of addition	
the decimal point when a decimal is	a power of 10. 5.NBT.2 Inverse operations	
multiplied or divided by a power of 10.	 I can multiply multi-digit whole 	
Use whole-number exponents to	numbers 5.NBT.5	
denote powers of 10.	 I can add, subtract, multiply, and 	

5.NBT.5 Fluently multiply multi-digit whole numbers using the standard algorithm 5.NBT.7 Add, subtract, multiply and divide decimals to hundredths, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method and explain the reasoning used.	divide decimals to hundredths. I can use concrete models or drawings to explain the method used. 5.NBT.7		
Chapter 7 5.OA.1- use parentheses, brackets, or braces in numerical expressions and evaluation expressions with these symbols 5.OA.2- write simple expressions that record calculations with numbers, and interpret numerical expressions without evaluating them 5.OA.3- generate two numerical patterns using two given rules. Identify apparent relationships between corresponding terms. Form ordered pairs consisting of corresponding terms from two patterns, and graph the ordered pairs on a coordinate plane. 5.G.1-use a pair of perpendicular number lines, called axes, to define a coordinate system, with the intersection of the lines (the origin) arranged to coincide with the 0 on each line and a given point in the plane located by using	 I can use parentheses and brackets in expressions. 5.OA.1 I can write expressions I hear using mathematics symbols and the order of the operations. 5.OA.2 Use numerical rules and patterns to form ordered pairs. Graph the ordered pairs on a coordinate plane. 5.OA.3 I understand how to graph ordered pairs on a coordinate plane. 5.G.1 I can graph and interpret points in the first quadrant of a coordinate plane. 5.G.2 	Coordinate plane Evaluate Numerical expression Ordered pair Order of operations Origin Sequence term	Trimester 2

ordered pair of numbers, called coordinates. Understand that the first number indicates how far to travel from the origin in the direction of one axis, and the second number indicates how far to travel in the direction of the second axis, with the convention that the names of the two axes and the coordinates correspond. 5.G.2- Represent real world and mathematical problems by graphing points in the first quadrant of the coordinate plane and interpret coordinate values of points in the context of the situation.	L can solve word problems that		
 5.NF.2- Solve word problems involving addition and subtraction of fractions referring to the same whole, including cases of unlike denominators, e.g., by using visual fraction models or equations to represent the problem. Use benchmark fractions and number sense of fractions to estimate mentally and assess the reasonableness of answers. 5.NF.3- Interpret a fraction as division of the numerator by the denominator (a/b = a divided by b). Solve word problems involving division of whole numbers leading to answers in the form of fractions or mixed numbers e.g., by using visual fractions models or equations to represent the problem. 	 I can solve word problems that involve fractions. 5.NF.2 I can understand that fractions are really the division of a numerator by a denominator. 5.NF.3 I can think of multiplication as the scaling of the number (similar to a scale on a map) 5.NF.5 I can multiply multi-digit whole numbers 5.NBT.5 	Common factor Common multiple Denominator Equivalent fractions Fractions Greatest common factor (GCF) Least common denominator (LCD) Least common multiple (LCM) Multiple Numerator Simplest form	Trimester 3

 5.NF.5b- Explaining why multiplying a given number by a fraction greater than 1 results in a product greater than given number (recognizing multiplication by the whole numbers greater than 1 as a familiar case); explaining why multiplying a given number by a fraction less than 1 results in a product smaller that the given number; and relating the principle of fraction equivalence a/b= (n x a)/ (n x b) to the effect of multiplying a/b by 1. 5.NBT.5- Fluently multiply multi-digit whole numbers using the standard algorithm 			
Chapter 9 5.NF.1-Add and subtract factions with	 I can add and subtract fractions with unlike denominators and 	Like fractions	
unlike denominators (including mixed	mixed numbers. 5.NF.1	Unlike fractions	
with equivalent fractions in such a way	 I can solve word problems that involve fractions, 5.NF.2 	Like denominators	Trimester 3
as to produce an equivalent sum or			
difference of fractions with like		Unlike denominators	
denominators.			
addition and subtraction of fractions			
referring to the same whole, including			
cases of unlike denominators e.g., by			
using visual fraction models or			
equations to represent the problem.			
Use benchmark fractions and number			
sense of fractions to estimate mentally			
and assess the reasonableness of			

answers.			
Chapter 10	 I can multiply a fraction or whole 	Common factor	
5.NF.4- Apply and extend previous	number by a fraction 5.NF.4	Common multiple	
understandings of multiplication to	 I can think of multiplication as the 	Denominator	
multiply a fraction or whole number by	scaling of a number (similar to a	Equivalent fractions	
a fraction.	scale on a map) 5.NF.5	Fractions	
5.NF.4a- Interpret the product (a/b)	• I can solve real world by	Greatest common factor (GCF)	
× q as a parts of a partition	multiplying fractions and mixed	Least common denominator	
of q into b equal parts; equivalently, as	numbers 5.NF.6	(LCD)	
the result of a sequence of	 I can divide fractions by whole 	Least common multiple (LCM)	
operations a × q ÷ b. For example, use a	numbers and whole numbers by	Multiple	Trimester 3
visual fraction model to show $(2/3) \times 4 =$, fractions. 5.NF.7	Numerator	
8/3, and create a story context for this		Simplest form	
equation. Do the same with $(2/3) \times (4/5)$		Scaling	
= 8/15. (In general, (a/b) × (c/d) =		Unit fraction	
ac/bd.)			
5.NF.4b- Find the area of a rectangle			
with fractional side lengths by tiling it			
with unit squares of the appropriate			
unit fraction side lengths, and show that			
the area is the same as would be found			
by multiplying the side lengths. Multiply			
fractional side lengths to find areas of			
rectangles, and represent fraction			
products as rectangular areas.			
5.NF.5a- Comparing the size of a			
product to the size of one factor on the			
basis of the size of the other factor,			
without performing the indicated			
multiplication.			
5.NF.6- Solve real world problems			
involving multiplication of fractions and			
mixed numbers, e.g., by using visual			
fraction models or equations to			

represent the problem.			
5.NF.7a- Interpret division of a unit			
fraction by a non-zero whole number,			
and compute such quotients. For			
example, create a story context for (1/3)			
÷ 4, and use a visual fraction model to			
show the quotient. Use the relationship			
between multiplication and division to			
explain that $(1/3) \div 4 = 1/12$ because			
$(1/12) \times 4 = 1/3.$			
5.NF.7b- Interpret division of a whole			
number by a unit fraction, and compute			
such quotients.For example, create a			
story context for 4 \div (1/5), and use a			
visual fraction model to show the			
quotient. Use the relationship between			
multiplication and division to explain			
that 4 ÷ (1/5) = 20 because 20 × (1/5) =			
4.			
5.NF.7c- Solve real world problems			
involving division of unit fractions by			
non-zero whole numbers and division of			
whole numbers by unit fractions, e.g.,			
by using visual fraction models and			
equations to represent the problem. For			
example, how much chocolate will each			
person get if 3 people share 1/2 lb of			
chocolate equally? How many 1/3-cup			
servings are in 2 cups of raisins?			
Chapter 11	I can convert measurements within	Capacity	
5.MD.1- Convert among different-sized	the same measuring system.	Centimeter	
standard measurement units within a	5.MD.1	Convert	

given measurement system (e.g., convert 5 cm to 0.05m) and use these conversions in solving multi-step, real world problems. 5.MD.2 Make a line plot to display a data set of measurements in fractions of a unit (1/2, 1/4, 1/8). Use operations on fractions for this grade to solve problems involving information presented in line plots.	 I can make a line plot to display data sets of measurements in fractions. 5.MD.2 I can use fraction operations to solve problems involving information presented on a line plot. 5.MD.2 Gra Incl Kilc Kilc Kilc Kilc Ma Me Mi <l< td=""><td>p stomary system r share id ounce (fl oz) ot (ft) lon (gal) um (g) h (in) Trimester 3 Trimester 3 Trimester 3 Trimester 3 Trimester 3 Trimester 3 Pagta er (L) ss ter (m) tric system e (mi) ligram (mg) limeter (mm) nce (oz) t (pt) und (lb) art (qt) h (T) ight d (yd)</td></l<>	p stomary system r share id ounce (fl oz) ot (ft) lon (gal) um (g) h (in) Trimester 3 Trimester 3 Trimester 3 Trimester 3 Trimester 3 Trimester 3 Pagta er (L) ss ter (m) tric system e (mi) ligram (mg) limeter (mm) nce (oz) t (pt) und (lb) art (qt) h (T) ight d (yd)
Chapter 12 5.G.3- Understand that attributes belonging to a category of two- dimensional figures also belong to all subcategories of that category. For example, all rectangles have four right angles and squares are rectangles, so all squares have four right angles. 5.G.4- Classify two-dimensional figures	 I can classify shapes into categories. 5.G.3 I can classify shapes based on properties. 5.G.4 I can understand volume 5.MD.3 I can measure volume by counting unit cubes. 5.MD.4 I can solve real world problems involving volume. 5.MD.5 	ute triangle ribute se mposite figure ngruent angle ngruent figures mgruent sides be bic unit

in a hierarchy based on properties.	I can find the volume of an object	Edge	
5.MD.3- Recognize volume as an	using the formulas V= I x w x h and	Equilateral triangle	
attribute of solid figures and understand	V = b x h 5.MD.5	Face	
concepts of volume measurement.		Hexagon	
5.MD.4 - Measure volumes by counting		Isosceles triangle	
unit cubes, using cubic cm, cubic in,		Net	
cubic ft, and improvised units.		Obtuse triangle	
5.MD.5- Relate volume to the		Octagon	
operations of multiplication and		Parallelogram	
addition and solve real world and		Pentagon	
mathematical problems involving		Polygon	
volume.		Prism	
5.MD.5b- Apply the		Rectangle	
formulas $V = I \times w \times h$ and $V = b \times h$ for		Rectangular prism	
rectangular prisms to find volumes of		Regular polygon	
right rectangular prisms with whole-		Rhombus	
number edge lengths in the context of		Right triangle	
solving real world and mathematical		Scalene triangle	
problems.		Square	
5.MD.5c- Recognize volume as additive.		Three-dimensional figure	
Find volumes of solid figures composed		Trapezoid	
of two non-overlapping right		Triangular prism	
rectangular prisms by adding the		Unit cube	
volumes of the non-overlapping parts,		Vertex	
applying this technique to solve real		volume	
world problems.			

Assessments	Resources
Weekly fluency quizzes	My Math (student, teacher, and online resources)
Unit Pre-test	Front Row
Chapter/Unit Tests	