	September-October	**November-December**	**January-February**
Unit	Number and Operations Fractions The Number System Expressions and Equations	Ratios and Proportional Relationships Geometry	Expressions and Equations
Topics	- Use equivalent fractions as a strategy to add and subtract fractions - Apply and extend previous understandings of multiplication and division to multiply and divide fractions - Add, subtract, multiply and divide rational numbers - Understand absolute value and number lines - Apply properties of operations - Solve real-life and mathematical problems using numerical and algebraic expressions and equations	- Ratios, unit rates, converting units of measurement - Finding missing values in a proportional relationship - Construct and interpret a table of values and a coordinate graph that represents quantities in a proportional relationship - Write equations to represent proportional relationships - Represent percent as a ratio and as a decimal - Calculate percent of a number, missing percent and original amount using percent proportion - Interpret multi-step ratio and proportion problems	- Identify parts of an expression - Write and read expressions with variables - Add and subtract linear expressions with rational coefficients - Factor and expand linear expressions with rational coefficients - Evaluate expressions with rational coefficients - Solve linear equations - Write and solve equations based on real world problems - Solve inequalities

Materials	-Big Ideas - NYReady - Buckle Down - Related Videos	-Big Ideas - NYReady -Buckle Down - Related Videos	-Big Ideas - NYReady - Buckle Down - Related Videos
Academic Vocabulary	equivalent fractions, quotients, improper fractions, order of operations, visual fraction models, equations, denominator, numerator, integers, absolute value, horizontal number line diagram, vertical number line diagram, additive inverse, variable, expressions, rational numbers, notation, product, Commutative Property, Distributive Property, Associative Property, terminating decimal, repeating decimal, convert, reasonableness	analyze, proportional relationships, unit rates, quantity, coordinate plane, unit rates, convert, equations, coordinate, percent, scale, discount price, sales tax, commission, simple interest, percent error, scale drawings	equivalent expressions, sum, term, product, factor, quotient, coefficient, variables, operations, linear expressions, algebraic expressions, rational numbers, reasonableness, expand, evaluate, inequality, substitution, solution, circumference, area, algebraic solution, arithmetic solution
Pacing	September: Number and Operations, Fractions, The Number System October: The Number System, Expressions and Equations	November: Ratios and Proportional Relationships December: Ratios and Proportional Relationships, Geometry	January: Expressions and Equations February: Equations

Embedded Assessments	Unit Test: Fractions Unit Test: Rational Numbers	Unit Test: Ratios and Proportions Unit Test: Proportional Reasoning	Unit Test: Expressions Unit Test: Equations
CCLS	5.NF.1, 5.NF.4, 6.NS.1, 7.NS.1, 7.NS.1a, 7.NS.1b, 7.NS.1c, 7.NS.1d, 7.NS.2, 7.Ns.2a, 7.EE.3, 7.EE.4	7.RP.1, 7.RP.2, 7.RP.2a, 7.RP.2b, 7.RP.2c, 7.RP.2d, 7.RP.3, 7.G.1	7.EE.1, 7.EE.2, 7.EE.3, 7.EE.4, 7.EE.4a

	March-April	**May-June**	
Unit	Expressions and Equations Inequalities Geometry Statistics and Probability State Test Preparation	Geometry	
Topics	- Solve real life and mathematical problems using numerical and algebraic expressions -Graph inequalities on a number line; Solve inequalities - Apply inequalities to real world situations - Solve real life and mathematical problems involving angle measure, area, surface area and volume - Random sampling and inferences - Measures of center and variability - Simple and Compound Probability - State Test Preparation	- Draw, construct and describe geometric shapes - Describe relationships between geometric shapes - Constructing triangles based on measures of angles and sides - Determine plane sections of right rectangular prisms and right rectangular pyramids - Use supplementary, complementary, vertical and adjacent angles in a multi-step problem to write and solve equations for an unknown angle in a figure - Solve real world and mathematical problems involving area, surface area and volume of two and three dimensional objects	

Materials	-Big Ideas - NYReady - Buckle Down - Related Videos	- Big Ideas - Related Videos - Buckle Down - NYReady	
Academic Vocabulary	solution set, verbal, angle measure, surface area, volume, derivation, random sampling, inference, statistics, population, sample, valid, random sampling, representative sample, valid, simulated sample, variation, comparative inferences, data distributions, variability, probability, likelihood, event, observations, relative frequency, probability model, outcomes, compound events, organized lists, tree diagrams, simulation, sample space	Construct, geometrical, protractor, conditions, varying, two-dimensional, three-dimensional, planes, unique, sections, rectangular prism, rectangular pyramid, complementary angle, supplementary angle, vertical angle, quadrilateral, polygon, cube, right prism	
Pacing	March: Expressions and Equations, Inequalities, Geometry, Statistics and Probability, State Test Preparation April: State Test Preparation	May: Geometry June: Geometry	

Embedded Assessments	Baseline #3 Unit Test: Inequalities	Unit Test: Circles Culminating Project: Statistics and Probability Unit Test: Pairs of Angles Culminating Project: Volume and Surface Area	
CCLS	7.EE.4, 7.EE.4b, 7.G.4, 7.SP.1, 7.SP.2, 7.SP.3, 7.SP.4, 7.SP.5, 7.SP.6, 7.SP.7, 7.SP.7a, 7.SP.7b, 7.SP.8, 7.SP.8a, 7.SP.8b, 7.SP.8c	7.G.2, 7.G.3, 7.G.5, 7.G.6	