	September-October	November-December	January-February
Unit	The Number System	Ratio & Proportional Relationships	Expressions & Equations
Topics	-Fractions (add, subtract, multiply & divide with unlike denominators) -Mixed numbers - Computation with multi-digit numbers - Find factors and multiples - Real world applications - Rational numbers - Number lines - Graphing on the coordinate plane	- Ratios - Unit rate, unit pricing - Equivalent ratios - Percents - Measurement units	- Write and evaluate numerical expressions - Write and evaluate expressions with variables - Apply the properties of operations to generate equivalent expressions - Reason about and solve one-variable equations and inequalities - Write expressions and equations to solve real-world and mathematical problems - Write inequalities to represent a constraint or condition in the real world - Analyze the relationship between dependent and independent variables
Materials	Big Ideas Buckle Down NYReady Engageny.org	Big Ideas Related videos Buckle Down NYReady Engageny.org	Big Ideas Related videos Buckle Down NYReady Engageny.org

Academic Vocabulary	denominator, equivalent, reasonableness, product, scaling, mixed numbers, quotient, algorithm, factors, multiples, quantities, rational numbers, coordinate, axes, integer, inequality, absolute value, magnitude, quadrant	ratio, proportion, unit rate, unit pricing, constant, percent, whole, part, convert, manipulate, metric units, reasoning, transform	algebraic expression, evaluate, numerical, variable, exponent, operations, sum, term, coefficient, properties, value, substitution, solution, infinite, dependent variable, independent variable, set, analyze
Pacing	September (approximately 4 weeks): Number sense and operations, fractions, Compute fluently with multi-digit numbers and find common factors and multiples October (approximately 3 weeks): Apply and extend previous understandings of numbers to the system of ration numbers	November (approximately 4 weeks): Understand ratio concepts and use ratio language to describe a ratio relationship between two quantities December (approximately 4 weeks): Understand ratio concepts and use ratio language to describe a ratio relationship between two quantities	January (approximately 4 weeks): Apply and extend previous understandings of arithmetic to algebraic expressions, Reason about and solve one-variable equations and inequalities February (approximately 4-5 weeks): Represent and analyze quantitative relationships between dependent and independent variables
Embedded Assessments	Unit Test: Fractions Unit Test: Rational Numbers	Unit Test: Ratios Unit Test: Proportions	Unit Test: Expressions Unit Test: Equations

| **CCLS** | 5.NF.1, 5.NF.2, 5.NF.3, 5.NF.4, 5.NF.5a, 5.NF.5b, 5.NF.6, 5.NF.7a, 5.NF.7b, 5.NF.7c, 6.NS.1, 6.NS.2, 6.NS.3, 6.NS.4, 6.NS.5, 6.NS.6a, 6.NS.6b, 6.NS.6c, 6.NS.7a, 6.NS.7b, 6.NS.7c, 6.NS.7d, 6.NS.8 | 6.RP.1, 6.RP.2, 6.RP.3a, 6.RP.3b, 6.RP.3c, 6.RP.3d | 6.EE.1, 6.EE.2a, 6.EE.2b, 6.EE.2c, 6.EE.3, 6.EE.4, 6.EE.5, 6.EE.6, 6.EE.7, 6.EE.8, 6.EE.9 |

	March-April	**May-June**	
Unit	Geometry State Test Preparation	Statistics	
Topics	- Area of special triangles, quadrilaterals, polygons - Volume of prisms - Solve real world and mathematical problems using volume and area - Represent three dimensional figures using nets	- Statistical Questions - Describe data using center, spread and overall shape - Display numerical data in plots on a number line, dot plots, histograms, box plots and stem and leaf plots - Summarize numerical data - Quantitative measures of center (mean, median) and variability (interquartile range and/or mean absolute deviation	
Materials	-Big Ideas -Related Videos -Buckle Down -NYReady	- Big Ideas - Related Videos - Buckle Down NYReady	
Academic Vocabulary	area, surface area, volume, right triangle, quadrilateral, polygon, decomposition, rectangular prism, fractional, vertices, three-dimensional, nets	statistical, anticipate, variability, data, distribution, center, spread, shape, number line, dot plot, histogram, box plot, observations, median, mean, interquartile range, mean absolute deviation	

Pacing	March- Geometry, State Test Preparation April- State Test Preparation	May- Statistics June- Statistics	
Embedded Assessments	Unit Test: Geometry	Unit Test: Statistics Unit Test: Statistics/Measures of Center	
CCLS	6.G.1, 6.G.2, 6.G.3, 6.G.4	6.SP.1, 6.SP.2, 6.SP.3, 6.SP.4, 6.SP.5a, 6.SP.5b, 6.SP.5c, 6.SP.5d	