

Units	STANDARD	OBJECTIVES (What it looks like in the classroom) The learner will ...	DATES TAUGHT	ASSESSMENT TYPE (classroom, MAPS, objective, subjective, project, etc.)	RESOURCES (Materials, web sites, auto-visual, print) LEARNING ACTIVITIES
Number Sense	MA 8.1	Students will communicate number sense concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.	Aug-Oct	MAP, summative, objective, formative, cumulative, classroom	kuta software (infinite pre-algebra), www.khanacademy.org , kahoot, matching activities, puzzles, scavenger hunt (I have, Who has?), www.youtube.com , powerpoint, McGraw-Hill Math Accelerated Textbook
Numeric relationships	MA 8.1.1	Students will demonstrate, represent, and show relationships among real numbers within the base-then number system.	Aug.	MAP, summative, objective, formative, cumulative, classroom	kuta software (infinite pre-algebra), www.khanacademy.org , kahoot, matching activities, puzzles, scavenger hunt (I have, Who has?), www.youtube.com , powerpoint, McGraw-Hill Math Accelerated Textbook
	MA 8.1.1.a	Students will determine subsets of numbers as natural, whole, integer, rational, irrational, or real, based on the definition of these sets of numbers.	Aug.	MAP, summative, objective, formative, cumulative, classroom	kuta software (infinite pre-algebra), www.khanacademy.org , kahoot, matching activities, puzzles, scavenger hunt (I have, Who has?), www.youtube.com , powerpoint, McGraw-Hill Math Accelerated Textbook
	MA 8.1.1.b	Students will represent numbers with positive and negative exponents and in scientific notation.	Aug.	MAP, summative, objective, formative,	kuta software (infinite pre-algebra), www.khanacademy.org , kahoot, matching activities, puzzles, scavenger hunt (I have, Who has?), www.youtube.com , powerpoint, McGraw-Hill Math Accelerated Textbook

				cumulative, classroom	
	MA 8.1.1.c	Students will describe the difference between a rational and irrational number.	Aug.	MAP, summative, objective, formative, cumulative, classroom	kuta software (infinite pre-algebra), www.khanacademy.org , kahoot, matching activities, puzzles, scavenger hunt (I have, Who has?), www.youtube.com , powerpoint, McGraw-Hill Math Accelerated Textbook
	MA 8.1.1.d	Student will approximate, compare, and order real numbers (both rational and irrational) and order real numbers both off and on the number line.	Aug.	MAP, summative, objective, formative, cumulative, classroom	kuta software (infinite pre-algebra), www.khanacademy.org , kahoot, matching activities, puzzles, scavenger hunt (I have, Who has?), www.youtube.com , powerpoint, McGraw-Hill Math Accelerated Textbook
Operations	MA 8.1.2	Students will compute with exponents and roots.	Sept. - Oct.	MAP, summative, objective, formative, cumulative, classroom	kuta software (infinite pre-algebra), www.khanacademy.org , kahoot, matching activities, puzzles, scavenger hunt (I have, Who has?), www.youtube.com , powerpoint, McGraw-Hill Math Accelerated Textbook
	MA 8.1.2.a	Students will evaluate the square roots of perfect squares less than or equal to 400 and cube roots of perfect cubes less than or equal to 125.	Oct.	MAP, summative, objective, formative, cumulative, classroom	kuta software (infinite pre-algebra), www.khanacademy.org , kahoot, matching activities, puzzles, scavenger hunt (I have, Who has?), www.youtube.com , powerpoint, McGraw-Hill Math Accelerated Textbook
	MA 8.1.2.b	Students will simplify numerical expressions involving exponents and roots.	Oct.	MAP, summative, objective, formative, cumulative, classroom	kuta software (infinite pre-algebra), www.khanacademy.org , kahoot, matching activities, puzzles, scavenger hunt (I have, Who has?), www.youtube.com , powerpoint, McGraw-Hill Math Accelerated Textbook

	MA 8.1.2.c	Students will simplify numerical expressions involving absolute value.	Sept	MAP, summative, objective, formative, cumulative, classroom	kuta software (infinite pre-algebra), www.khanacademy.org , kahoot, matching activities, puzzles, scavenger hunt (I have, Who has?), www.youtube.com , powerpoint, McGraw-Hill Math Accelerated Textbook
	MA 8.1.2.d	Students will multiply and divide numbers using scientific notation.	Oct.	MAP, summative, objective, formative, cumulative, classroom	kuta software (infinite pre-algebra), www.khanacademy.org , kahoot, matching activities, puzzles, scavenger hunt (I have, Who has?), www.youtube.com , powerpoint, McGraw-Hill Math Accelerated Textbook
	MA 8.1.2.e	Students will estimate and check reasonableness of answers using appropriate strategies and tools.	Sept. - Oct.	MAP, summative, objective, formative, cumulative, classroom	kuta software (infinite pre-algebra), www.khanacademy.org , kahoot, matching activities, puzzles, scavenger hunt (I have, Who has?), www.youtube.com , powerpoint, McGraw-Hill Math Accelerated Textbook
Algebra Concepts	MA 8.2	Students will communicate algebraic concepts using multiple representations to reason, solve problems, and make connections with mathematics and across disciplines.	Oct. - Jan.	MAP, summative, objective, formative, cumulative, classroom	kuta software (infinite pre-algebra), www.khanacademy.org , kahoot, matching activities, puzzles, scavenger hunt (I have, Who has?), www.youtube.com , powerpoint, McGraw-Hill Math Accelerated Textbook
Algebraic relationships	MA 8.2.1	Students will demonstrate, represent, and show relationships with expressions, equations, and inequalities.	Oct. - Dec.	MAP, summative, objective, formative, cumulative, classroom	kuta software (infinite pre-algebra), www.khanacademy.org , kahoot, matching activities, puzzles, scavenger hunt (I have, Who has?), www.youtube.com , powerpoint, McGraw-Hill Math Accelerated Textbook

	MA 8.2.1.a	Students will create algebraic expressions, equations and inequalities from word phrases, tables, and pictures.	Oct. - Dec.	MAP, summative, objective, formative, cumulative, classroom	kuta software (infinite pre-algebra), www.khanacademy.org , kahoot, matching activities, puzzles, scavenger hunt (I have, Who has?), www.youtube.com , powerpoint, McGraw-Hill Math Accelerated Textbook
	MA 8.2.1.b	Students will determine and describe the rate of change for given situations through the use of tables and graphs.	Jan.	MAP, summative, objective, formative, cumulative, classroom	kuta software (infinite pre-algebra), www.khanacademy.org , kahoot, matching activities, puzzles, scavenger hunt (I have, Who has?), www.youtube.com , powerpoint, McGraw-Hill Math Accelerated Textbook
	MA 8.2.1.c	Students will describe equations and linear graphs as having one solution, no solutions, or infinitely many solutions.	Jan.	MAP, summative, objective, formative, cumulative, classroom	kuta software (infinite pre-algebra), www.khanacademy.org , kahoot, matching activities, puzzles, scavenger hunt (I have, Who has?), www.youtube.com , powerpoint, McGraw-Hill Math Accelerated Textbook
	MA 8.2.1.d	Students will graph proportional relationships and interpret the slope.	Jan.	MAP, summative, objective, formative, cumulative, classroom	kuta software (infinite pre-algebra), www.khanacademy.org , kahoot, matching activities, puzzles, scavenger hunt (I have, Who has?), www.youtube.com , powerpoint, McGraw-Hill Math Accelerated Textbook
Algebraic Processes	MA 8.2.2	Students will apply the operational properties when evaluating expressions and solving expressions, equations, and inequalities	Oct. - Dec.	MAP, summative, objective, formative, cumulative, classroom	kuta software (infinite pre-algebra), www.khanacademy.org , kahoot, matching activities, puzzles, scavenger hunt (I have, Who has?), www.youtube.com , powerpoint, McGraw-Hill Math Accelerated Textbook
	MA 8.2.2a	Students will solve multi-step equations involving rational	Oct. - Dec.	MAP, summative, objective,	kuta software (infinite pre-algebra), www.khanacademy.org , kahoot, matching activities, puzzles, scavenger hunt (I have,

		numbers with the same variable appearing on both sides of the equal sign.		formative, cumulative, classroom	Who has?), www.youtube.com , powerpoint, McGraw-Hill Math Accelerated Textbook
	MA 8.2.2.b	Students will solve two-step inequalities involving rational numbers and represent solutions on a number line.	Oct. - Dec.	MAP, summative, objective, formative, cumulative, classroom	kuta software (infinite pre-algebra), www.khanacademy.org , kahoot, matching activities, puzzles, scavenger hunt (I have, Who has?), www.youtube.com , powerpoint, McGraw-Hill Math Accelerated Textbook
Applications	MA 8.2.3	Students will solve real-world problems involving multi-step equations and multi-step inequalities.	Oct. - Dec.	MAP, summative, objective, formative, cumulative, classroom	kuta software (infinite pre-algebra), www.khanacademy.org , kahoot, matching activities, puzzles, scavenger hunt (I have, Who has?), www.youtube.com , powerpoint, McGraw-Hill Math Accelerated Textbook
	MA 8.2.3.a	Students will describe and write equations from words, patterns, and tables.	Oct. - Dec.	MAP, summative, objective, formative, cumulative, classroom	kuta software (infinite pre-algebra), www.khanacademy.org , kahoot, matching activities, puzzles, scavenger hunt (I have, Who has?), www.youtube.com , powerpoint, McGraw-Hill Math Accelerated Textbook
	MA 8.2.3.b	Students will write a multi-step equation to represent real-world problems using rational numbers in any form	Oct. - Dec.	MAP, summative, objective, formative, cumulative, classroom	kuta software (infinite pre-algebra), www.khanacademy.org , kahoot, matching activities, puzzles, scavenger hunt (I have, Who has?), www.youtube.com , powerpoint, McGraw-Hill Math Accelerated Textbook
	MA 8.2.3.c	Students will solve real-world multi-step problems involving rational numbers in any form.	Oct. - Dec.	MAP, summative, objective, formative,	kuta software (infinite pre-algebra), www.khanacademy.org , kahoot, matching activities, puzzles, scavenger hunt (I have, Who has?), www.youtube.com , powerpoint, McGraw-Hill Math Accelerated Textbook

				cumulative, classroom	
Geometry Concepts	MA 8.3	Students will communicate geometric concepts and measurement concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.	Feb. - Mar.	MAP, summative, objective, formative, cumulative, classroom	kuta software (infinite pre-algebra), www.khanacademy.org , kahoot, matching activities, puzzles, scavenger hunt (I have, Who has?), www.youtube.com , powerpoint, McGraw-Hill Math Accelerated Textbook
Characteristics	MA 8.3.1	Students will identify and describe geometric characteristics of two-dimensional shapes.	Feb.	MAP, summative, objective, formative, cumulative, classroom	kuta software (infinite pre-algebra), www.khanacademy.org , kahoot, matching activities, puzzles, scavenger hunt (I have, Who has?), www.youtube.com , powerpoint, McGraw-Hill Math Accelerated Textbook
	MA 8.3.1.a	Students will determine and use the relationships of the interior angles of a triangle to solve for missing measures.	Feb.	MAP, summative, objective, formative, cumulative, classroom	kuta software (infinite pre-algebra), www.khanacademy.org , kahoot, matching activities, puzzles, scavenger hunt (I have, Who has?), www.youtube.com , powerpoint, McGraw-Hill Math Accelerated Textbook
	MA 8.3.1.b	Students will identify and apply geometric properties of parallel lines cut by a transversal and the resulting corresponding, alternate interior, and alternate exterior angles to find missing measures.	Feb.	MAP, summative, objective, formative, cumulative, classroom	kuta software (infinite pre-algebra), www.khanacademy.org , kahoot, matching activities, puzzles, scavenger hunt (I have, Who has?), www.youtube.com , powerpoint, McGraw-Hill Math Accelerated Textbook

Coordinate geometry	MA 8.3.2	Students will determine location, orientation, and relationships on the coordinate plane.	Feb. - Mar.	MAP, summative, objective, formative, cumulative, classroom	kuta software (infinite pre-algebra), www.khanacademy.org , kahoot, matching activities, puzzles, scavenger hunt (I have, Who has?), www.youtube.com , powerpoint, McGraw-Hill Math Accelerated Textbook
	MA 8.3.2.a	Students will perform and describe positions and orientation of shapes under single transformations including rotations (about the origin), translations, reflections and dilations on and off the coordinate plane.	Feb. - Mar	MAP, summative, objective, formative, cumulative, classroom	kuta software (infinite pre-algebra), www.khanacademy.org , kahoot, matching activities, puzzles, scavenger hunt (I have, Who has?), www.youtube.com , powerpoint, McGraw-Hill Math Accelerated Textbook
	MA 8.3.2.b	Students will find congruent two-dimensional figures and define congruence in terms of a series of transformations.	Feb. - Mar.	MAP, summative, objective, formative, cumulative, classroom	kuta software (infinite pre-algebra), www.khanacademy.org , kahoot, matching activities, puzzles, scavenger hunt (I have, Who has?), www.youtube.com , powerpoint, McGraw-Hill Math Accelerated Textbook
	MA 8.3.2.c	Students will find similar two-dimensional figures and define similarity in terms of a series of transformations.	Feb. - Mar.	MAP, summative, objective, formative, cumulative, classroom	kuta software (infinite pre-algebra), www.khanacademy.org , kahoot, matching activities, puzzles, scavenger hunt (I have, Who has?), www.youtube.com , powerpoint, McGraw-Hill Math Accelerated Textbook
Measurement	MA 8.3.3	Students will perform and compare measurements and apply formulas	Mar.	MAP, summative, objective, formative,	kuta software (infinite pre-algebra), www.khanacademy.org , kahoot, matching activities, puzzles, scavenger hunt (I have, Who has?), www.youtube.com , powerpoint, McGraw-Hill Math Accelerated Textbook

				cumulative, classroom	
	MA 8.3.3.a	Students will explain a model of the Pythagorean Theorem.	Mar.	MAP, summative, objective, formative, cumulative, classroom	kuta software (infinite pre-algebra), www.khanacademy.org , kahoot, matching activities, puzzles, scavenger hunt (I have, Who has?), www.youtube.com , powerpoint, McGraw-Hill Math Accelerated Textbook
	MA 8.3.3.b	Students will apply the Pythagorean Theorem to find side lengths of triangles and to solve real-world problems.	Mar.	MAP, summative, objective, formative, cumulative, classroom	kuta software (infinite pre-algebra), www.khanacademy.org , kahoot, matching activities, puzzles, scavenger hunt (I have, Who has?), www.youtube.com , powerpoint, McGraw-Hill Math Accelerated Textbook
	MA 8.3.3.c	Students will find the distance between any two points on the coordinate plane using the Pythagorean Theorem.	Mar.	MAP, summative, objective, formative, cumulative, classroom	kuta software (infinite pre-algebra), www.khanacademy.org , kahoot, matching activities, puzzles, scavenger hunt (I have, Who has?), www.youtube.com , powerpoint, McGraw-Hill Math Accelerated Textbook
	MA 8.3.3.d	Students will determine the volume of cones, cylinders, and spheres, and solve real-world problems using volume.	Mar.	MAP, summative, objective, formative, cumulative, classroom	kuta software (infinite pre-algebra), www.khanacademy.org , kahoot, matching activities, puzzles, scavenger hunt (I have, Who has?), www.youtube.com , powerpoint, McGraw-Hill Math Accelerated Textbook
Data	MA 8.4	Students will communicate data analysis/probability concepts using multiple representations to reason, solve problems, and make connections within	April - May	MAP, summative, objective, formative, cumulative, classroom	kuta software (infinite pre-algebra), www.khanacademy.org , kahoot, matching activities, puzzles, scavenger hunt (I have, Who has?), www.youtube.com , powerpoint, McGraw-Hill Math Accelerated Textbook

		mathematics and across disciplines			
Representation	MA 8.4.1	Students will create displays that will represent data.	April	MAP, summative, objective, formative, cumulative, classroom	kuta software (infinite pre-algebra), www.khanacademy.org , kahoot, matching activities, puzzles, scavenger hunt (I have, Who has?), www.youtube.com , powerpoint, McGraw-Hill Math Accelerated Textbook
	MA 8.4.1.a	Students will represent bivariate data using scatter plots.	April	MAP, summative, objective, formative, cumulative, classroom	kuta software (infinite pre-algebra), www.khanacademy.org , kahoot, matching activities, puzzles, scavenger hunt (I have, Who has?), www.youtube.com , powerpoint, McGraw-Hill Math Accelerated Textbook
Analysis & Applications	MA 8.4.2	Students will analyze data to address the situation.	April - May	MAP, summative, objective, formative, cumulative, classroom	kuta software (infinite pre-algebra), www.khanacademy.org , kahoot, matching activities, puzzles, scavenger hunt (I have, Who has?), www.youtube.com , powerpoint, McGraw-Hill Math Accelerated Textbook
	MA 8.4.2.a	Students will solve problems and make predictions using an approximate line of best fit.	April - May	MAP, summative, objective, formative, cumulative, classroom	kuta software (infinite pre-algebra), www.khanacademy.org , kahoot, matching activities, puzzles, scavenger hunt (I have, Who has?), www.youtube.com , powerpoint, McGraw-Hill Math Accelerated Textbook
Probability	MA 8.4.3	Students will interpret and apply concepts of probability.	May	MAP, summative, objective, formative, cumulative, classroom	kuta software (infinite pre-algebra), www.khanacademy.org , kahoot, matching activities, puzzles, scavenger hunt (I have, Who has?), www.youtube.com , powerpoint, McGraw-Hill Math Accelerated Textbook

