Math 8 Calendar

A snapshot of the upcoming school year--what Standards will be covered and when Assessments will occur. Please understand this is a rough summary of when Standards will be covered in Math 8 this year.

Dates		Standard		Assessments
1st Quarter	**Aug - Sept**	**Unit 1 Integer Exponents**		
		8.EE.A.1.A I can simplify expressions with the Product and Quotient Properties of Exponents.	Mid-Module Assessment	Skill Check 1
		8.EE.A.1.B I can simplify expressions with the Power to a Power Property of Exponents.		Skill Check 2
		8.EE.A.1.C I can simplify expressions with Zero and Negative Exponents.		Skill Check 3
	Sept-Nov	**Unit 2 The Concept of Congruence**		
		8.G.A.1.A I can translate shapes in a specific direction and distance.	Mid-Module Assessment	Skill Check 4
		8.G.A.1.B I can reflect shapes across lines of reflection.		Skill Check 5
		8.G.A.1.C I can rotate shapes a certain number of degrees around a point in the plane.		Skill Check 6
		8.G.A.2 I can show that two shapes are congruent by translating, rotating and reflecting.	End-of-Module Assessment	Skill Check 7
		8.G.A.5.A I can use what I know about transformations to establish facts about angles created when parallel lines are intersected by another line.		Skill Check 8
		8.G.A.5.B I know and apply the Angle Sum and Exterior Angle Theorems of Triangles.		Skill Check 9
		8.G.B.7.A I can use the Pythagorean theorem to find missing side lengths of triangles--rational numbers.		Skill Check 10

		Unit 3 Similarity		
2nd Quarter	**Nov - Dec**	8.G.A.3 I can describe what happens with dilations on the coordinate grid.	**End-of-Module Assessment**	Skill Check 11
		8.G.A.4 I can prove that two shapes are similar if there is a sequence of a dilation and a congruence that maps one shape to the other.		Skill Check 12
		8.G.A.5.C I can use parallel lines to understand that when triangles share two angle measures they are similar triangles.		Skill Check 13
		8.G.B.7.B I can use the Pythagorean theorem to find missing side lengths of triangles and I can use the converse of the Pythagorean Theorem.		Skill Check 14
		Unit 4 Linear Equations		
	Jan-Feb	8.EE.C.7.A I can write an equation from a mathematical sentence and I can write a mathematical sentence from an equation.	**Mid-Module Assessment**	Skill Check 15
		8.EE.C.7.D I know that an equation states that two expressions are equal, and that the numbers x that satisfy the equation are called solutions.		Skill Check 16
		8.EE.C.7.B I can solve an equation in one variable.		Skill Check 17
		8.EE.C.7.C I can recognize when an equation has no solution, infinitely many solutions or one solution.		Skill Check 18
		8.EE.B.5.A I can find solutions to linear equations and plot them on a coordinate grid.		Skill Check 19
	Jan-Feb	8.EE.B.5.B I can interpret the unit rate as the slope of the graph--the steepness of the line.	**End-of-Module Assessment**	Skill Check 20
		8.EE.B.6 I can use similar triangles to explain why and find the slope is the same anywhere on the line.		Skill Check 21
		8.EE.B.5.A I can graph a linear equation.		Skill Check 22

		8.F.A.3.A I can write an equation of a line.	End-of-Module Assessment	Skill Check 23
	March	8.EE.C.8.A I understand the solutions to a system of equations are the points that the equations have in common.		Skill Check 24
		8.EE.C.8.B I can solve a set of two equations in two variables.		Skill Check 25
		Unit 5 Examples of Functions from Geometry		
		8.F.A.2 I can compare two functions.	End-of-Module Assessment	Skill Check 26
		8.F.A.3.B I can interpret y=mx+b as a linear function and give examples of functions that are not linear.		Skill Check 27
		8.G.C.9.A I can use the formulas for the volumes of cones, cylinders and spheres.		Skill Check 28
4th Quarter	March-April	**Unit 6 Linear Functions**		
		8.F.B.4 I can create a function rule to model a linear relationship. I can interpret rate of change and initial value.	Mid-Module Assessment	Skill Check 29
		8.F.B.5 I can analyze and sketch graphs of functions.		Skill Check 30
		8.SP.A.1 I can construct and interpret scatterplots.		Skill Check 31
		8.SP.A.2 I can informally fit a straight line on a scatterplot to model a relationship.		Skill Check 32
		8.SP.A.3 I can use the equation of the line of best fit to solve problems.	End-of-Module Assessment	Skill Check 33
		8.SP.A.4 I can construct and interpret a two-way frequency table.		Skill Check 34
		8.SP.4. I can use column and row frequencies to decide if there is an association between two variables.		Skill Check 35
		Turn me over to see Unit 7		

		Unit 7 Irrational Numbers using Geometry		
4th Quarter	**April-May**	8.EE.A.2.A I understand that the square root of a number is the inverse of squaring a number.	Mid-Module Assessment	Skill Check 36
		8.EE.A.2.B I can use square root and cube root symbols to solve equations with exponents.		Skill Check 37
		8.G.B.7.C I can apply the pythagorean theorem, using irrational and rational numbers.	End-of-Module Assessment	Skill Check 38
		8.G.C.8 I can use the pythagorean theorem to find the distance between two points on a coordinate grid.		Skill Check 39