

Eighth Grade MATH Curriculum Map

Month	Skill	State Descriptor
September		
	Integers and four operations	6.8.02,6.8.11, 9.8.12
	Variables, evaluating and recognizing alge. expressions	6.8.10,8.8.02,8.8.05
	Simplifying variable expressions with order of operations	8.8.03,8.8.04, 6.8.10
	Evaluating and simplifying exponential expressions	6.8.11, 6.8.10
	Prime Factorization, repeated and rational numbers	6.8.05, 6.8.06, 6.8.08
	GCF/LCM with Venn Diagram and Prime Factorization	6.8.05, 10.8.01
	Simplifying fractions	6.8.03
	Identify rational and irrational numbers	6.8.03, 6.8.09, 6.8.06, 6.8.07, 6.8.12
	Problem solving with mixed numbers, decimals, percentages and integers	6.8.08, 6.8.16, 6.8.09, 6.8.13, 8.8.13,
	Absolute values- number line, < or > and proportional reasoning	6.8.12, 6.8.16
October		
	Square and cube roots	6.8.05, 6.8.14
	Exponent Properties	6.8.05, 6.8.08
	Scientific Notation	6.8.01, 6.8.04
	Powers of ten and expanded notation	6.8.01
	Equations with Fractions	8.8.04, 8.8.12
	Solving Two-step equations with four operations	8.8.04,8.8.05, 8.8.11,8.8.12
	Solving linear equations with variables on both sides	8.8.04, 8.8.05, 8.8.12, 8.8.11
November		
	Solving Two-step inequalities	8.8.04,8.8.05, 8.8.11, 8.8.12
	Graph linear equations using rectangular coordinate plane	8.8.08, 8.8.10, 8.8.07
	Slope Intercept form and rate of change	8.8.06, 8.8.12, 8.8.09
	Determine equation of line from a graph	8.8.07, 8.8.12, 8.8.04
	System of equations	8.8.10
	representation of whole number relationships and linear expressions	8.8.11
December		
	Number Patterns	8.8.01, 8.8.06
	Ratios	6.8.15
	Rates	7.8.05
	Proportions and problem solving with congruent and similar features	7.8.06, 6.8.16, 9.8.11

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January		
	Angle and line relationships with vertical, complementary and supplemental angles	9.8.08, 9.8.09
	Triangle and quadrilateral properties with 2d and 3d shapes	9.8.01, 9.8.02, 9.8.11
	Angle measures in polygons and circles (length, area, volume,	7.8.01, 7.8.03, 9.8.08
	Overlapping areas of rectangles, triangles and circles	7.8.05, 7.8.02
	Pythagorean Theorem	9.8.03
	Circle properties, circumference and Pi	9.8.04
February		
	Similar figures	6.8.16
	Identify three-dimensional figures including cubes	9.8.02, 9.8.06, 9.8.01, 9.8.02, 9.8.10
	Identify two-dimensional figures on cartesian coordinate plane	9.8.02, 9.8.03, 9.8.01, 9.8.05
	Calculate surface area and volume	7.8.03, 7.8.04, 7.8.01
	Transformations (rotations, reflections and translations)	9.8.06, 9.8.07
	Constructions/Activities using Geometer's Sketchpad	9.8.08
March		
	Probability as ratios	6.8.15, 6.8.16
	Compute probability of repeated trials	10.8.06, 10.8.08
	Compute probability of compound events	10.8.06, 10.8.08
	Independent events	10.8.06
	Probability of simple experiments	10.8.06
	Counting Principle, outcomes for simple-compound events	10.8.07, 10.08
April		
	Mean, Median, Mode and Range- central tendency	10.8.05
	Misleading Statistics- different representations of same data	10.8.02, 10.8.01
	Read and Interpret a variety of graphs, charts and tables	10.8.04, 8.8.08, 8.8.06, 10.8.02, 10.8.03
	Scatter Plots- bar graphs, line charts	10.8.04
May		
	Percent of increase and decrease	6.8.17, 6.8.18
	Discounts, mark ups, commissions and profit	6.8.18, 6.8.17
	Sales tax, tips and interest	6.8.18
	Problems solving with time, temperature, speed, distance ...	7.8.05