



SuccessMaker®

Alignments to SuccessMaker

Providing rigorous intervention
for K-8 learners with unparalleled precision

aimswebPlus CCSS Math Grade-Domain Code - Behavioral Objective Grade 8	SuccessMaker Item Description
Fall	
8.F.4 Determines y-intercept, when given the linear equation of a line and points on the line.	SMMA_LO_01806 Complete an input/output table and identify the algebraic equation that describes the one-step rule.
	SMMA_LO_01807 Complete an input/output table and identify the algebraic equation that describes the two-step rule.
8.EE.8 Solves word problems involving writing and solving two linear equations.	SMMA_LO_02080 Identify the solution to a system of linear equations by locating the point of intersection on its graph.
	SMMA_LO_02133 If a system of linear equations has 0 or infinitely many solutions, solve it by inspection. If it has 1 solution, solve it either algebraically or by graphing.
	SMMA_LO_02134 Model a real-world problem with a system of linear equations. Then solve it by locating the intersection point of the graphs of the two equations.
8.EE.7 Solves multi-step linear equations	SMMA_LO_02079 Transform a given multi-step equation into a simpler form.
	SMMA_LO_02145 Generate and solve an equation with variables on both sides of the equal sign in a real-world context.
8.EE.6 Determines linear equations when given points on a line.	SMMA_LO_02075 Use similar triangles to explain why the slope m is the same between any two distinct points on a nonvertical line in the coordinate plane.
	SMMA_LO_02076 Derive the equation $y = mx$ for a line through the origin, and $y = mx + b$ for a line intercepting the vertical axis at b .
8.EE.1 Identifies equivalent numerical expressions involving exponents, and evaluates numeric expressions involving exponents.	SMMA_LO_01104 Multiply or divide two numbers with exponents (same base, exponents less than 18).
	SMMA_LO_01111 Find the missing exponent in a multiplication or division number sentence.
8.NS.2 Estimates square roots of non square numbers, and compares square roots of non square numbers.	SMMA_LO_02141 Drag rational and irrational values to their correct positions on a number line.

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8.EE.5 Solves word problems by interpreting graphs of proportional relationships, and determines slope of lines graphed in the coordinate plane.	SMMA_LO_02073 Graph proportional relationships and interpret the unit rate as the slope of the graph.
	SMMA_LO_02074 Compare a proportional relationship represented as a graph to a proportional relationship represented as a table.
8.G.7 Determines unknown vertices of a right triangle using the Pythagorean Theorem and given dimensions, and determines an unknown side of a right triangle using the Pythagorean Theorem and given the vertices.	SMMA_LO_01854 Find the measurement of the hypotenuse using the Pythagorean theorem. (2D)
Winter	
8.G.3 Identifies new coordinates of a figure in a coordinate plane after a translation of the figure.	SMMA_LO_02025 Interpret a multiplication equation by writing a comparison statement.
	SMMA_LO_02125 Reflect a figure, find the coordinates of the reflected figure, and describe the effect of the reflection on the coordinates.
	SMMA_LO_02142 Determine the algebraic expression used to find the coordinates of the image of a figure under a dilation with the origin as the center of dilation.
	SMMA_LO_01736 Determine the missing coordinate of a vertex of a triangle in a transformation.
8.G.8 Determines area of squares graphed in a coordinate plane using the Pythagorean Theorem.	SMMA_LO_02100 Given two points on a coordinate grid, draw a right triangle whose hypotenuse connects the two points. Then use the Pythagorean Theorem to find the distance between the two points.
8.EE.1 Identifies equivalent numerical expressions involving exponents, and evaluates numeric expressions involving exponents.	SMMA_LO_01104 Multiply or divide two numbers with exponents (same base, exponents less than 18).
	SMMA_LO_01111 Find the missing exponent in a multiplication or division number sentence.
8.NS.2 Estimates square roots of non square numbers.	SMMA_LO_02141 Drag rational and irrational values to their correct positions on a number line.

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8.EE.3 Solves word problems involving numbers expressed in scientific notation.	SMMA_LO_02070 Write very small numbers in scientific notation.
	SMMA_LO_02071 Write very large numbers in scientific notation.
	SMMA_LO_02072 Compare numbers written in scientific notation.
8.F.2 Compares Slopes of lines presented in different ways; graphs, equations or points in a table.	SMMA_LO_02101 Identify the rate of change and the y-intercept of two linear functions, one represented graphically, and one represented either algebraically or in a table.
	SMMA_LO_02102 Identify the rate of change and the y-intercept of two linear functions, one represented in a verbal description, and one represented either graphically or algebraically.
	SMMA_LO_02103 Identify the rate of change and the y-intercept of two linear functions, one represented in a table, and one represented either algebraically or in a verbal description.
8.SP.1 Describes patterns of association in bivariate data in a scatter plot, and solves word problems by interpreting bivariate data in a scatter plot, and interprets scatter plots to determine data outliers.	SMMA_LO_01222 Identify positive, negative, or no association for sets of actual data.
8.SP.4 Solves word problems by interpreting information in a two-way table.	
8.EE.4 Solves word problems by performing operations on numbers expressed in scientific notation.	SMMA_LO_01113 Express a number in scientific notation (exponents 1 to 6).
	SMMA_LO_01121 Given the scientific notation, determine the standard notation of a number (the power of 10 has an exponent of 1 to 6).
	SMMA_LO_01122 Find the missing exponent for a number written in scientific notation (the exponent is 1 to 6).
8.EE.5 Determines slope of lines graphed in the coordinate plane.	SMMA_LO_02073 Graph proportional relationships and interpret the unit rate as the slope of the graph.
	SMMA_LO_02074 Compare a proportional relationship represented as a graph to a proportional relationship represented as a table.
8.SP.3 Describes patterns of association in bivariate data in a scatter plot.	SMMA_LO_02143 Choose an approximation based on a trend line for bivariate data.

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8.EE.8 Solves pairs of linear equations.	SMMA_LO_02079 Transform a given multi-step equation into a simpler form.
	SMMA_LO_02145 Generate and solve an equation with variables on both sides of the equal sign in a real-world context.
8.EE.6 Determines linear equations when given points on the line, and solves word problems involving volume.	SMMA_LO_02075 Use similar triangles to explain why the slope m is the same between any two distinct points on a nonvertical line in the coordinate plane.
	SMMA_LO_02076 Derive the equation $y = mx$ for a line through the origin, and $y = mx + b$ for a line intercepting the vertical axis at b .
	SMMA_LO_00839 Use a formula to find the volume of a cylinder.
	SMMA_LO_00844 Use a formula to find the volume of a cone or a sphere.
8.F.4 Determines linear functions represented by data in a table, and equations when given graphs of a line.	SMMA_LO_01806 Complete an input/output table and identify the algebraic equation that describes the one-step rule.
	SMMA_LO_01807 Complete an input/output table and identify the algebraic equation that describes the two-step rule.
8.NS.4 Identifies irrational numbers.	SMMA_LO_02141 Drag rational and irrational values to their correct positions on a number line.
8.G.9 Determines volume of cylindrical objects when given dimensions.	SMMA_LO_00839 Use a formula to find the volume of a cylinder.
	SMMA_LO_00844 Use a formula to find the volume of a cone or a sphere.
Spring	
8.EE.1 Identifies equivalent numerical expressions involving exponents.	SMMA_LO_01104 Multiply or divide two numbers with exponents (same base, exponents less than 18).
	SMMA_LO_01111 Find the missing exponent in a multiplication or division number sentence.
8.F.4 Determines y-intercept, when given the linear equation of a line and points on the line.	SMMA_LO_01806 Complete an input/output table and identify the algebraic equation that describes the one-step rule.
	SMMA_LO_01807 Complete an input/output table and identify the algebraic equation that describes the two-step rule.

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8.NS.2 Estimates square roots of non square numbers, and identifies irrational numbers.	SMMA_LO_02141 Drag rational and irrational values to their correct positions on a number line.
8.G.3 Identifies new coordinates of a figure in a coordinate plane after a translation of the figure.	SMMA_LO_02125 Reflect a figure, find the coordinates of the reflected figure, and describe the effect of the reflection on the coordinates.
	SMMA_LO_02142 Determine the algebraic expression used to find the coordinates of the image of a figure under a dilation with the origin as the center of dilation.
	SMMA_LO_01736 Determine the missing coordinate of a vertex of a triangle in a transformation.
8.EE.8 Solves word problems involving writing and solving two linear equations.	SMMA_LO_02079 Transform a given multi-step equation into a simpler form.
	SMMA_LO_02145 Generate and solve an equation with variables on both sides of the equal sign in a real-world context.
8.EE.4 Solves word problems by performing operations on numbers expressed in scientific notation.	SMMA_LO_01113 Express a number in scientific notation (exponents 1 to 6).
	SMMA_LO_01121 Given the scientific notation, determine the standard notation of a number (the power of 10 has an exponent of 1 to 6).
	SMMA_LO_01122 Find the missing exponent for a number written in scientific notation (the exponent is 1 to 6).
8.SP.2 Interprets scatter plots to determine best fit lines for the data.	SMMA_LO_01222 Identify positive, negative, or no association for sets of actual data.
8.EE.7 Solves multi-step linear equations	SMMA_LO_02079 Transform a given multi-step equation into a simpler form.
	SMMA_LO_02145 Generate and solve an equation with variables on both sides of the equal sign in a real-world context.
8.EE.5 Solves word problems by interpreting graphs of proportional relationships.	SMMA_LO_02073 Graph proportional relationships and interpret the unit rate as the slope of the graph.
	SMMA_LO_02074 Compare a proportional relationship represented as a graph to a proportional relationship represented as a table.

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8.SP.1 Describes patterns of association in bivariate data in a scatter plot, and Solves word problems by interpreting bivariate data in a scatter plot.	SMMA_LO_01222 Identify positive, negative, or no association for sets of actual data.
8.G.8 Determines distance between points in a coordinate plane using the Pythagorean Theorem.	SMMA_LO_02100 Given two points on a coordinate grid, draw a right triangle whose hypotenuse connects the two points. Then use the Pythagorean Theorem to find the distance between the two points.
8.EE.6 Determines linear equations when given points on a line, and determines similar triangles.	SMMA_LO_02075 Use similar triangles to explain why the slope m is the same between any two distinct points on a nonvertical line in the coordinate plane.
	SMMA_LO_02076 Derive the equation $y = mx$ for a line through the origin, and $y = mx + b$ for a line intercepting the vertical axis at b .
8.EE.3 Solves word problems involving numbers expressed in scientific notation.	SMMA_LO_02070 Write very small numbers in scientific notation.
	SMMA_LO_02071 Write very large numbers in scientific notation.
	SMMA_LO_02072 Compare numbers written in scientific notation.
8.G.7 Determines unknown vertices of a right triangle using the Pythagorean Theorem and given dimensions, and determines unknown dimensions of pyramid using the Pythagorean Theorem and known measurements.	SMMA_LO_01854 Find the measurement of the hypotenuse using the Pythagorean theorem. (2D)
8.SP.4 Solves word problems by interpreting information in a two-way table.	
8.F.2 Compares Slopes of lines presented in different ways; graphs, equations or points in a table.	SMMA_LO_02101 Identify the rate of change and the y-intercept of two linear functions, one represented graphically, and one represented either algebraically or in a table.
	SMMA_LO_02102 Identify the rate of change and the y-intercept of two linear functions, one represented in a verbal description, and one represented either graphically or algebraically.
	SMMA_LO_02103 Identify the rate of change and the y-intercept of two linear functions, one represented in a table, and one represented either algebraically or in a verbal description.