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enVision Florida ©2020 Grade 5	Florida Mathematics Standards' Strands/Topics	SuccessMaker Item Description	Item ID
	MAFS.5.G Geometry		
	MAFS.5.G.1 Graph points on the coordinate plane to solve real-world and mathematical problems.		
Lesson 14-2 Lesson 14-3 Lesson 15-3	MAFS.5.G.1.2 Represent real world and mathematical problems by graphing points in the first quadrant of the coordinate plane, and interpret coordinate values of points in the context of the situation.	Graph a point on a coordinate grid (Quadrant I).	SMMA_LO_01735
	MAFS.5.G.2 Classify two-dimensional figures into categories based on their properties.		
Lesson 16-2 Lesson 16-3 Lesson 16-4	MAFS.5.G.2.4 Classify and organize two-dimensional figures into Venn diagrams based on the attributes of the figures.	Classify and sort 2D geometric figures by properties and attributes.	SMMA_LO_01728
	MAFS.5.MD Measurement and Data		
	MAFS.5.MD.1 Convert like measurement units within a given measurement system.		
Lesson 12-1 Lesson 12-2 Lesson 12-3 Lesson 12-4 Lesson 12-5 Lesson 12-6 Lesson 12-7 Lesson 12-8	MAFS.5.MD.1.1 Convert among different-sized standard measurement units (i.e., km, m, cm; kg, g; lb, oz.; l, ml; hr, min, sec) within a given measurement system (e.g., convert 5 cm to 0.05 m), and use these conversions in solving multi-step, real world problems.	Convert between customary units of weight (ounces and pounds).	SMMA_LO_00797
		Convert metric units of length (mm, cm, m, and km; whole numbers).	SMMA_LO_00814
		Convert customary units of capacity (cups, pints, quarts, and gallons).	SMMA_LO_00796
		Convert customary units of length (inches, feet, and yards).	SMMA_LO_00791
	MAFS.5.MD.3 Geometric measurement: understand concepts of volume and relate volume to multiplication and to addition.		
Lesson 11-1 Lesson 11-5	MAFS.5.MD.3.3 Recognize volume as an attribute of solid figures and understand concepts of volume measurement.	Identify a unit cube and what attribute it is used to measure.	SMMA_LO_02041
Lesson 11-1 Lesson 11-5	MAFS.5.MD.3.3.a A cube with side length 1 unit, called a "unit cube," is said to have "one cubic unit" of volume, and can be used to measure volume.	Identify a unit cube and what attribute it is used to measure.	SMMA_LO_02041
Lesson 11-1	MAFS.5.MD.3.3.b A solid figure which can be packed without gaps or overlaps using n unit cubes is said to have a volume of n cubic units.	Identify a unit cube and what attribute it is used to measure.	SMMA_LO_02041
Lesson 11-1	MAFS.5.MD.3.4 Measure volumes by counting unit cubes, using cubic cm, cubic in, cubic ft, and improvised units.	Identify a unit cube and what attribute it is used to measure.	SMMA_LO_02041
		Find the volume of a prism by packing the prism with unit cubes.	SMMA_LO_02042
		Determine the volume of a box given the height, width, and length (60 to 480 customary or metric cubic units).	SMMA_LO_00174
Lesson 11-2 Lesson 11-3 Lesson 11-4	MAFS.5.MD.3.5 Relate volume to the operations of multiplication and addition and solve real world and mathematical problems involving volume.	Find the volume of a three-dimensional figure by decomposing that figure into two right rectangular prisms and then adding those prisms' volumes.	SMMA_LO_02044
		Determine the volume of a box given the height, width, and length (60 to 480 customary or metric cubic units).	SMMA_LO_00174
Lesson 11-2	MAFS.5.MD.3.5.a Find the volume of a right rectangular prism with whole-number side lengths by packing it with unit cubes, and show that the volume is the same as would be found by multiplying the edge lengths, equivalently by multiplying the height by the area of the base. Represent threefold whole-number products as volumes, e.g., to represent the associative property of multiplication.	Find the volume of a prism by packing the prism with unit cubes.	SMMA_LO_02042

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		Determine the volume of a box given the height, width, and length (60 to 480 customary or metric cubic units).	SMMA_LO_00174
Lesson 11-2	MAFS.5.MD.3.5.b Apply the formulas V = l × w × h and V = B × h for rectangular prisms to find volumes of right rectangular prisms with whole-number edge lengths in the context of solving real world and mathematical problems.	Identify the missing information needed to solve a multiplication problem in context; then solve the problem.	SMMA_LO_01283
		Compute the volume of right rectangular prisms using formulas.	SMMA_LO_02043
		Solve a problem in context that involves adding three amounts expressed as dollars and cents.	SMMA_LO_01608
		Determine the volume of a box given the height, width, and length (60 to 480 customary or metric cubic units).	SMMA_LO_00174
Lesson 11-3 Lesson 11-4	MAFS.5.MD.3.5.c Recognize volume as additive. Find volumes of solid figures composed of two non-overlapping right rectangular prisms by adding the volumes of the non-overlapping parts, applying this technique to solve real world problems.	Find the volume of a three-dimensional figure by decomposing that figure into two right rectangular prisms and then adding those prisms' volumes.	SMMA_LO_02044
	MAFS.5.NF Number and Operations-Fractions		
	MAFS.5.NF.1 Use equivalent fractions as a strategy to add and subtract fractions.		
Lesson 7-1 Lesson 7-6 Lesson 7-7 Lesson 7-12 Lesson 7-2 Lesson 7-3 Lesson 7-4 Lesson 7-5 Lesson 7-8 Lesson 7-9 Lesson 7-10 Lesson 7-11 Lesson 10-3 Lesson 10-4	MAFS.5.NF.1.2 Solve word problems involving addition and subtraction of fractions referring to the same whole, including cases of unlike denominators, e.g., by using visual fraction models or equations to represent the problem. Use benchmark fractions and number sense of fractions to estimate mentally and assess the reasonableness of answers. Example: For example, recognize an incorrect result 2/5 + 1/2 = 3/7, by observing that 3/7 < 1/2.	Identify the best estimate of a sum, difference, or product.	SMMA_LO_00231
		Model a division word problem that results in a rational quotient; then express the word problem with an equation.	SMMA_LO_02047
		Estimate the difference of two fractions.	SMMA_LO_01707
		Model the multiplication of two fractions; complete an equation to show the product; interpret a real-world context that can be modeled by this equation.	SMMA_LO_02054
		Model multiplication of a whole number by a fraction; complete an equation to show the product; interpret a real-world context that can be modeled by this equation.	SMMA_LO_02048
		Determine the sale price of an item when the price is reduced by one-half, one-third, or one-fourth.	SMMA_LO_01285
		Model the division of a unit fraction by a nonzero whole number, and compute the quotient.	SMMA_LO_02052
	MAFS.5.NF.2 Apply and extend previous understandings of multiplication and division to multiply and divide fractions.		

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Lesson 9-1 Lesson 9-2	MAFS.5.NF.2.3 Interpret a fraction as division of the numerator by the denominator (*a*/*b* = *a* ÷ *b*). Solve word problems involving division of whole numbers leading to answers in the form of fractions or mixed numbers, e.g., by using visual fraction models or equations to represent the problem. Example: For example, interpret 3/4 as the result of dividing 3 by 4, noting that 3/4 multiplied by 4 equals 3, and that when 3 wholes are shared equally among 4 people each person has a share of size 3/4. If 9 people want to share a 50-pound sack of rice equally by weight, how many pounds of rice should each person get? Between what two whole numbers does your answer lie?	Model a division word problem that results in a rational quotient; then express the word problem with an equation.	SMMA_LO_02047
		Model the multiplication of two fractions; complete an equation to show the product; interpret a real-world context that can be modeled by this equation.	SMMA_LO_02054
		Model multiplication of a whole number by a fraction; complete an equation to show the product; interpret a real-world context that can be modeled by this equation.	SMMA_LO_02048
		Model the division of a unit fraction by a nonzero whole number, and compute the quotient.	SMMA_LO_02052
Lesson 8-1 Lesson 8-2 Lesson 8-3 Lesson 8-4 Lesson 8-5 Lesson 8-6	MAFS.5.NF.2.4 Apply and extend previous understandings of multiplication to multiply a fraction or whole number by a fraction.	Model the multiplication of two fractions; complete an equation to show the product; interpret a real-world context that can be modeled by this equation.	SMMA_LO_02054
		Model multiplication of a whole number by a fraction; complete an equation to show the product; interpret a real-world context that can be modeled by this equation.	SMMA_LO_02048
Lesson 8-6	MAFS.5.NF.2.4.b Find the area of a rectangle with fractional side lengths by tiling it with unit squares of the appropriate unit fraction side lengths, and show that the area is the same as would be found by multiplying the side lengths. Multiply fractional side lengths to find areas of rectangles, and represent fraction products as rectangular areas.	Find the area of a rectangle with fractional side lengths in two ways: by multiplying its side lengths and by tiling it with smaller rectangles.	SMMA_LO_02049
Lesson 8-8	MAFS.5.NF.2.5 Interpret multiplication as scaling (resizing), by:	Find the missing numerator or denominator in an equivalent fraction (simplified fractions 1/2 to 3/4).	SMMA_LO_00451
		Find an equivalent fraction of a simplified fraction (simplified fractions 1/2 to 8/9).	SMMA_LO_00457
		Find the missing numerator or denominator in an equivalent fraction (simplified fractions 1/2 to 7/8).	SMMA_LO_00453
Lesson 8-8	MAFS.5.NF.2.5.b Explaining why multiplying a given number by a fraction greater than 1 results in a product greater than the given number (recognizing multiplication by whole numbers greater than 1 as a familiar case); explaining why multiplying a given number by a fraction less than 1 results in a product smaller than the given number; and relating the principle of fraction equivalence *a*/*b* = (*n*×*a*)/(*n*×*b*) to the effect of multiplying *a*/*b* by 1.	Find the missing numerator or denominator in an equivalent fraction (simplified fractions 1/2 to 3/4).	SMMA_LO_00451
		Find an equivalent fraction of a simplified fraction (simplified fractions 1/2 to 8/9).	SMMA_LO_00457
		Find the missing numerator or denominator in an equivalent fraction (simplified fractions 1/2 to 7/8).	SMMA_LO_00453

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360B, Lesson 8-7 368B, Lesson 8-9 336B, Lesson 8-1 340B, Lesson 8-2	MAFS.5.NF.2.6 Solve real world problems involving multiplication of fractions and mixed numbers, e.g., by using visual fraction models or equations to represent the problem.	Model a division word problem that results in a rational quotient; then express the word problem with an equation.	SMMA_LO_02047
		Identify the missing information needed to solve a multiplication problem in context; then solve the problem.	SMMA_LO_01283
		Model the multiplication of two fractions; complete an equation to show the product; interpret a real-world context that can be modeled by this equation.	SMMA_LO_02054
		Model multiplication of a whole number by a fraction; complete an equation to show the product; interpret a real-world context that can be modeled by this equation.	SMMA_LO_02048
		Solve a problem in context that involves adding three amounts expressed as dollars and cents.	SMMA_LO_01608
		Determine the sale price of an item when the price is reduced by one-half, one-third, or one-fourth.	SMMA_LO_01285
		Model the division of a unit fraction by a nonzero whole number, and compute the quotient.	SMMA_LO_02052
Lesson 9-7 Lesson 9-3 Lesson 9-4 Lesson 9-5 Lesson 9-6 Lesson 9-8	MAFS.5.NF.2.7 Apply and extend previous understandings of division to divide unit fractions by whole numbers and whole numbers by unit fractions.	Model the division of a unit fraction by a nonzero whole number, and compute the quotient.	SMMA_LO_02052
Lesson 9-5 Lesson 9-6 Lesson 9-8	MAFS.5.NF.2.7.a Interpret division of a unit fraction by a non-zero whole number, and compute such quotients. Example: For example, create a story context for (1/3) ÷ 4, and use a visual fraction model to show the quotient. Use the relationship between multiplication and division to explain that (1/3) ÷ 4 = 1/12 because (1/12) × 4 = 1/3.	Model the division of a unit fraction by a nonzero whole number, and compute the quotient.	SMMA_LO_02052
Lesson 9-7 Lesson 9-3 Lesson 9-4 Lesson 9-5 Lesson 9-6	MAFS.5.NF.2.7.c Solve real world problems involving division of unit fractions by non-zero whole numbers and division of whole numbers by unit fractions, e.g., by using visual fraction models and equations to represent the problem. Example: For example, how much chocolate will each person get if 3 people share 1/2 lb of chocolate equally? How many 1/3-cup servings are in 2 cups of raisins?	Model a division word problem that results in a rational quotient; then express the word problem with an equation.	SMMA_LO_02047
		Model the multiplication of two fractions; complete an equation to show the product; interpret a real-world context that can be modeled by this equation.	SMMA_LO_02054
		Use a protractor to measure an angle in a triangle or quadrilateral; then find the sum of all the angles in the figure.	SMMA_LO_00650
		Model multiplication of a whole number by a fraction; complete an equation to show the product; interpret a real-world context that can be modeled by this equation.	SMMA_LO_02048
		Measure an angle using the appropriate protractor.	SMMA_LO_00646
		Use a protractor to measure an angle.	SMMA_LO_00636
		Model the division of a unit fraction by a nonzero whole number, and compute the quotient.	SMMA_LO_02052
	MAFS.5.NBT Number and Operations in Base Ten		
	MAFS.5.NBT.1 Understand the place value system.		

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Lesson 1-2 Lesson 1-3 Lesson 3-1	MAFS.5.NBT.1.1 Recognize that in a multi-digit number, a digit in one place represents 10 times as much as it represents in the place to its right and 1/10 of what it represents in the place to its left.	Identify the place and the value of a digit in a number; for that value, identify the number 10 times as much and the number 1/10 as much.	SMMA_LO_02045
Lesson 1-1 Lesson 3-1 Lesson 4-1 Lesson 6-1 Lesson 12-4 Lesson 12-5 Lesson 12-6	MAFS.5.NBT.1.2 Explain patterns in the number of zeros of the product when multiplying a number by powers of 10, and explain patterns in the placement of the decimal point when a decimal is multiplied or divided by a power of 10. Use whole-number exponents to denote powers of 10.	Identify the location of the decimal point of the product of two decimals (factors, tenths to hundredths).	SMMA_LO_00222
		Multiply whole numbers (products 20 x 20 to 90 x 90, multiples of 10).	SMMA_LO_00889
		Multiply multiples of 10 using mental math (20 x 20 to 90 x 90).	SMMA_LO_00299
		Multiply one- to five-digit whole numbers by powers of ten (10 to 100,000).	SMMA_LO_01078
		Find the missing factor (products 20 x 20 to 90 x 90, multiples of 10).	SMMA_LO_00893
		Explain patterns in the number of zeroes of the product and in the placement of the decimal point when multiplying a number by powers of ten.	SMMA_LO_02046
		Multiply decimals by 10, 100, or 1000.	SMMA_LO_00235
		Multiply whole numbers (multiples of 10 or 100).	SMMA_LO_00911
Lesson 1-4 Lesson 1-5 Lesson 1-7	MAFS.5.NBT.1.3 Read, write, and compare decimals to thousandths.	Match a decimal number to its word me (to thousandths).	SMMA_LO_00227
		Enter a decimal number in a place-value chart (tenths to thousandths).	SMMA_LO_01089
		Compare decimal numbers (to thousandths).	SMMA_LO_00225
		Match the word name with the decimal number (0.10 to 9.99).	SMMA_LO_00204
Lesson 1-4 Lesson 1-7	MAFS.5.NBT.1.3.a Read and write decimals to thousandths using base-ten numerals, number names, and expanded form, e.g., 347.392 = 3 × 100 + 4 × 10 + 7 × 1 + 3 × (1/10) + 9 × (1/100) + 2 × (1/1000).	Match a decimal number to its word me (to thousandths).	SMMA_LO_00227
		Match the word name with the decimal number (0.10 to 9.99).	SMMA_LO_00204
Lesson 1-5 Lesson 1-7	MAFS.5.NBT.1.3.b Compare two decimals to thousandths based on meanings of the digits in each place, using >, =, and < symbols to record the results of comparisons.	Match a decimal number to its word me (to thousandths).	SMMA_LO_00227
		Compare decimal numbers (to thousandths).	SMMA_LO_00225
Lesson 1-6 Lesson 2-2	MAFS.5.NBT.1.4 Use place value understanding to round decimals to any place.	Round a decimal to the nearest tenth, hundredth, or whole number.	SMMA_LO_00230
		Enter a decimal number in a place-value chart (tenths to thousandths).	SMMA_LO_01089
	MAFS.5.NBT.2 Perform operations with multi-digit whole numbers and with decimals to hundredths.		
Lesson 5-1 Lesson 5-2 Lesson 5-3 Lesson 5-4 Lesson 5-5 Lesson 5-6 Lesson 5-7 Lesson 5-8	MAFS.5.NBT.2.6 Find whole-number quotients of whole numbers with up to four-digit dividends and two-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.	Model the multiplication of two fractions; complete an equation to show the product; interpret a real-world context that can be modeled by this equation.	SMMA_LO_02054
		Use an area model to solve a multiplication problem (two-digit factors).	SMMA_LO_01734
		Divide (combinations 6 x 20 to 9 x 90).	SMMA_LO_00293

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		Model multiplication of a whole number by a fraction; complete an equation to show the product; interpret a real-world context that can be modeled by this equation.	SMMA_LO_02048
		Divide (combinations 2 x 20 to 5 x 90, three-digit dividend, one or two-digit divisor, noremainder).	SMMA_LO_00291
Lesson 2-1 Lesson 2-2 Lesson 2-5 Lesson 2-6 Lesson 4-3 Lesson 4-4 Lesson 4-5 Lesson 4-6 Lesson 4-7 Lesson 4-8 Lesson 4-9 Lesson 6-2 Lesson 6-4 Lesson 6-5 Lesson 6-6	MAFS.5.NBT.2.7 Add, subtract, multiply, and divide decimals to hundredths, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method and explain the reasoning used.	Add decimals numbers using mental math (sums 1.0 to 99.8, regrouping).	SMMA_LO_00217
		Align the decimal numbers in a vertical subtraction problem; then solve (hundredths, regrouping).	SMMA_LO_00212
		Subtract decimals numbers (minuends and subtrahends 0.01 to 9.99).	SMMA_LO_00207
		Add or subtract decimals using mental math (sums less than 1.00, with or without regrouping).	SMMA_LO_00210
		Determine whether two to six segments divide a figure into congruent parts.	SMMA_LO_00634
		Subtract metric length or weight measurements expressed as decimals (to tenths, difference 1.2 to 8.9, regrouping).	SMMA_LO_00159
		Add decimals using addition facts (sums 0.02-0.99).	SMMA_LO_00206
		Multiply decimals displayed horizontally (0.2 x 0.6 to 0.9 x 0.12).	SMMA_LO_00232
		Divide a decimal by a decimal (horizontal division; dividends to tenths).	SMMA_LO_00237
		Align the decimal numbers in a vertical addition problem; then solve (hundredths, regrouping).	SMMA_LO_00211
		Multiply two decimals or multiply a decimal by a whole number (tenths to hundredths).	SMMA_LO_00223
		Match the word name with the decimal number (0.10 to 9.99).	SMMA_LO_00204