Pearson

SuccessMaker®

Missouri Mathematics Learning Standards: Grade Level Expectations 2016, Grade 3

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Providing rigorous intervention
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Missouri Learning Standards Code	Missouri Mathematics Learning Standards: Grade Level Expectations, 2016 Grade 3	SuccessMaker Item Description	Item ID
NS	Number Sense		
NBT	Number Sense and Operations in Base Ten		
NBT.A	Use place value understanding and properties of operations to perform multi-digit arithmetic.		
NBT.A.1	Round whole numbers to the nearest 10 or 100.	Round a two-digit number to the nearest ten (hundreds chart).	SMMA_LO_01648
		Round a three-digit number to the nearest hundred.	SMMA_LO_01036
		Round a three-digit number to the nearest hundred.	SMMA_LO_01650
		Round a two-digit number to the nearest ten.	SMMA_LO_01649
		Identify the best estimate for a sum of two numbers (two-digit addends, round to the nearest 10).	SMMA_LO_01052
		Round a three-digit number to the nearest hundred.	SMMA_LO_01652
		Round two-digit numbers to the nearest ten.	SMMA_LO_01647
		Estimate the sum by rounding to the nearest 10 (two-digit addends).	SMMA_LO_01615
		Round a two-digit number to the nearest ten.	SMMA_LO_01028
		Round a three-digit number to the nearest hundred.	SMMA_LO_01651
		Estimate the sum or difference in a money problem by rounding to the nearest 10 (two-digit sums and differences).	SMMA_LO_01580

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NBT.A.3	Demonstrate fluency with addition and subtraction within 1000.	Practice addition using basic facts; sums less than or equal to 15.	SMMA_SG_00310
		Practice subtraction using basic facts; minuends, subtrahends less than or equal to 12.	SMMA_SG_00380
		Practice addition using basic facts; sums less than or equal to 15.	SMMA_SG_00340
		Practice subtraction using basic facts; minuends, subtrahends less than or equal to 12.	SMMA_SG_00320
		Identify the missing operation in a subtraction or addition number sentence (basic facts).	SMMA_LO_01031
		Practice subtraction using basic facts; minuends, subtrahends less than or equal to 12.	SMMA_SG_00370
		Practice addition using basic facts; sums less than or equal to 15.	SMMA_SG_00300
		Practice subtraction using basic facts; minuends, subtrahends less than or equal to 12.	SMMA_SG_00360
		Practice addition using basic facts; sums less than or equal to 20.	SMMA_SG_00390

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NF	Number Sense and Operations in Fractions		
NF.A	Develop understanding of fractions as numbers.		
NF.A.3	Represent fractions on a number line.		
NF.A.3.b	Understand the whole is partitioned into equal parts.	Count shaded parts and the total number of parts (halves to eighths).	SMMA_LO_00419
NF.A.4	Demonstrate that two fractions are equivalent if they are the same size, or the same point on a number line.	Model equivalent fractions; identify equivalent fractions on a number line.	SMMA_LO_02035
RA	Relationships and Algebraic Thinking		
RA.A	Represent and solve problems involving multiplication and division.		
RA.A.3	Describe in words or drawings a problem that illustrates a multiplication or division situation.	Divide using graphic models (combinations to 5 x 5).	SMMA_LO_00279
		Identify and solve an expression that represents a multiplication problem in context (products 3 x 4 to 9 x 9).	SMMA_LO_01590
		Identify the number sentence that represents a division problem in context (model shown, dividends to 20).	SMMA_LO_01569
		Solve a multiplication problem in context (counting feedback, products 2 x 2 to 5 x 5).	SMMA_LO_01572

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RA.A.4	Use multiplication and division within 100 to solve problems.	Solve a multiplication problem in context with extra information.	SMMA_LO_01589
		Identify and solve an expression that represents a multiplication problem in context (products 3 x 4 to 9 x 9).	SMMA_LO_01590
		Identify a picture that represents a multiplication problem (basic facts).	SMMA_LO_01246
		Make a picture to solve a partitive division problem (dividends to 20).	SMMA_LO_01564
		Solve a multiplication problem in context (repeated addition feedback, products 2 x 2 to 5 x 5).	SMMA_LO_01578
		Identify a picture that represents a division problem (math facts).	SMMA_LO_01245
		Solve a subtraction problem in context (extra information, minuends 2 to 99, no regrouping).	SMMA_LO_01581
		Make a picture to solve a multiplication problem (basic facts).	SMMA_LO_01237
		Make a picture to solve a division problem (math facts).	SMMA_LO_01238
		Make a picture to solve a quotitive division problem (dividends to 20).	SMMA_LO_01565
		Solve a multiplication problem in context (counting feedback, products 2 x 2 to 5 x 5).	SMMA_LO_01572
		Identify and solve an expression that represents a multiplication problem in context (model shown, products to 32).	SMMA_LO_01570

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RA.C	Multiply and divide within 100.		
RA.C.1	Multiply and divide with numbers and results within 100 using strategies such as the relationship between multiplication and division or properties of operations. Know all products of two one-digit numbers.	Multiply two one-digit numbers (products 1 x 2 to 5 x 5).	SMMA_LO_00861
		Find the missing factor (products to 5 x 5).	SMMA_LO_00856
		Identify a picture that represents a multiplication problem (basic facts).	SMMA_LO_01246
		Multiply two one-digit numbers (products 6 x 6 to 9 x 9).	SMMA_LO_00867
		Find the missing factor (products 1 x 6 to 9 x 5).	SMMA_LO_00864
		Make a picture to solve a partitive division problem (dividends to 20).	SMMA_LO_01564
		Find the missing factor (products 6 x 6 to 9 x 9).	SMMA_LO_00877
		Multiply two one-digit numbers (products 1 x 6 to 5 x 9).	SMMA_LO_00863
		Find the missing factor (products 1 x 6 to 5 x 9).	SMMA_LO_00862
		Find the missing factor (products to 5 x 5).	SMMA_LO_00858
		Multiply two one-digit numbers (displayed horizontally (products 1 x 6 to 5 x 9).	SMMA_LO_00859
		Find the missing factor (products 6 x 1 to 9 x 5).	SMMA_LO_00866
		Identify a picture that represents a division problem (math facts).	SMMA_LO_01245

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		Solve a subtraction problem in context (extra information, minuends 2 to 99, no regrouping).	SMMA_LO_01581
		Make a picture to solve a multiplication problem (basic facts).	SMMA_LO_01237
		Find the missing factor (products 6 x 6 to 9 x 9).	SMMA_LO_00873
		Make a picture to solve a division problem (math facts).	SMMA_LO_01238
		Find the missing factor (products 1 x 6 to 5 x 9).	SMMA_LO_00860
		Multiply two one-digit numbers displayed horizontally (products 6 x 6 to 9 x 9).	SMMA_LO_00868
		Multiply two one-digit numbers (products 6 x 2 to 9 x 5).	SMMA_LO_00865
		Complete fact families with four facts (products 2 x 3 to 8 x 9).	SMMA_LO_00344
		Divide using basic facts (combinations to 5 x 5).	SMMA_LO_00280
		Divide (combinations 6 x 6 to 9 x 9, no remainder).	SMMA_LO_00284
		Make a picture to solve a quotitive division problem (dividends to 20).	SMMA_LO_01565
		Divide using basic facts (combinations 2 x 6 to 9 x 5).	SMMA_LO_00282
		Multiply whole numbers (products to 5 x 5).	SMMA_LO_00855
		Multiply two one-digit numbers (products 6 x 1 to 9 x 5).	SMMA_LO_00857

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RA.D	Use the four operations to solve word problems.		
RA.D.2	Interpret the reasonableness of answers using mental computation and estimation strategies including rounding.	Identify the most reasonable quantity for a context (order of magnitude differs).	SMMA_LO_01586
		Determine the reasonableness of a sum or difference (two- and three-digit numbers).	SMMA_LO_01259
		Identify the reasonable weight of an object (ounces, pounds, and tons).	SMMA_LO_00787
RA.E	Identify and explain arithmetic patterns.		
RA.E.1	Identify arithmetic patterns and explain the patterns using properties of operations.	Identify the missing picture in a 1-2-3-1-2-3 pattern.	SMMA_LO_00607
GM	Geometry and Measurement		
GM.A	Reason with shapes and their attributes.		
GM.A.3	Partition shapes into parts with equal areas, and express the area of each part as a unit fraction of the whole.	Partition shapes into equal parts.	SMMA_LO_02000
GM.B	Solve problems involving the measurement of time, liquid volumes and weights of objects.		
GM.B.1	Tell and write time to the nearest minute.	Set the digital clock to match the time on the analog clock to the exact minute.	SMMA_LO_01670
GM.B.3	Solve problems involving addition and subtraction of minutes.	Compare the difference of two times to a given time (1 to 24 hours, across 12 o'clock).	SMMA_LO_00155
		Show time 1 to 11 hours and 5 to 55 minutes before or after the time shown (alog and digital clocks).	SMMA_LO_00775
		Find the time one to twelve hours and ten to fifty-five minutes from a starting time.	SMMA_LO_00175

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		Find the time one to five hours before or after a given time (not crossing 12 o'clock).	SMMA_LO_00153
		Find the time one to five hours before or after a given time (across 12 o'clock).	SMMA_LO_00162
		Solve a problem by identifying the time 1 to 2 hours after a given time (not crossing 12 o'clock).	SMMA_LO_01547
		Show time 1 to 11 hours and 5 to 55 minutes before or after the time shown (analog and digital clocks).	SMMA_LO_02155
GM.B.4	Measure or estimate length, liquid volume and weight of objects.	Identify the reasonable weight of an object (ounces, pounds, and tons).	SMMA_LO_00787
GM.B.5	Use the four operations to solve problems involving lengths, liquid volumes or weights given in the same units.	Read weights from a chart; choose two weights that equal a given total (sums to 1,500).	SMMA_LO_01301
GM.C	Understand concepts of area.		
GM.C.1	Calculate area by using unit squares to cover a plane figure with no gaps or overlaps.	Identify a unit square and what attribute it is used to measure.	SMMA_LO_02027
GM.C.3	Demonstrate that tiling a rectangle to find the area and multiplying the side lengths result in the same value.	Find the area of a rectangle by tiling it; complete an equation to show that the area is the same as would be found by multiplying the side lengths.	SMMA_LO_02029
		Multiply side lengths to find the area of a rectangle in a real-world context; use area to represent a whole-number product by arranging tiles in a rectangle.	SMMA_LO_02030

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		Tile a rectangle to find its area; represent the area of the rectangle in two different ways (length times width and the sum of the areas of two smaller rectangles).	SMMA_LO_02031
GM.C.6	Decompose a rectangle into smaller rectangles to find the area of the original rectangle.	Find the sum of the areas of two figures (sums 3 to 8, nonstandard units).	SMMA_LO_00752
		Find the area of a rectilinear figure in a context by decomposing it into two rectangles.	SMMA_LO_02032
		Tile a rectangle to find its area; represent the area of the rectangle in two different ways (length times width and the sum of the areas of two smaller rectangles).	SMMA_LO_02031
DS	Data and Statistics		
DS.A	Represent and analyze data.		
DS.A.1	Create frequency tables, scaled picture graphs and bar graphs to represent a data set with several categories.	Read a bar graph and answer questions about tree growth over time.	SMMA_LO_01304
		Read and interpret data about tree growth from a bar graph.	SMMA_LO_01302

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DS.A.2	Solve one- and two-step problems using information presented in bar and/or picture graphs.	Read and interpret a pictograph about birds counted (2 to 5 birds in each row).	SMMA_LO_01299
		Read a bar graph and answer questions about tree growth over time.	SMMA_LO_01304
		Read and interpret a horizontal pictograph with a scale of 2 (five items).	SMMA_LO_00140
		Read and interpret a pictograph with a scale of 2, 5 or 10.	SMMA_LO_01158
		Given a bar graph of tree growth, calculate the height a tree grew from one year to another.	SMMA_LO_01303
		Read and interpret data about tree growth from a bar graph.	SMMA_LO_01302