Symphony Math® Correlation

Maryland Voluntary State Curriculum

Maryland Voluntary State Curriculum				Symphony Math		
Grade	Standard	#	Description	Module	Activity	Levels
K	Patterns & Functions	A.1.a	Use manipulatives with numeric qualities to build patterns	Quantity	Manipulatives	1-3
K	Expressions, Equations, & Inequalities	B.1.a	Represent numeric quantities using concrete and pictorial representations to model addition expressions with a value of no more than 10	Quantity	Manipulatives	1-3
K	Expressions, Equations, & Inequalities	B.2.a	Represent relationships by comparing groups of no more than 10 objects to determine more or less	Quantity	Manipulatives	1-3
K	Expressions, Equations, & Inequalities	B.2.b	Model and name the value of the missing part in a part-part-whole situation using no more than 10 manipulatives	Addition & Subtraction	Manipulatives	2
K	Expressions, Equations, & Inequalities	B.2.c	Describe addition using terms such as: and, add, plus, join, equal	Addition & Subtraction	Auditory Sentences	1
K	Measurement Units	A.1.a	Order, compare, and describe objects by attributes such as: length/height, weight, capacity	Quantity	Manipulatives	1-3
K	Number and Place Value	A.1.a	Extend concept of number	Quantity	Symbols	3-5
K	Number and Place Value	A.1.b	Construct relationships between and among quantities using language such as: more than, less than, fewer than, as many as, one more, one less	Quantity	Auditory Sentences	1-5
K	Number and Place Value	A.1.c	Demonstrate cardinality by answer of how many	Addition & Subtraction	Word Problems	1
K	Number and Place Value	A.1.d	Build meaningful relationships by using 5 and 10 frames	Addition & Subtraction	Manipulatives	1

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K	Number and Place Value	A.1.e	Use concrete materials to build sets 0 to 10	Quantity	Manipulatives	1-5
K	Number and Place Value	A.1.f	Use concrete materials to compose and decompose quantities up to 10	Addition & Subtraction	Manipulatives	1,5
K	Number and Place Value	A.1.g	Match a numeral to a set	Quantity	Manipulatives & Symbols	1-5
K	Number Computation	C.1.a	Model addition by combining sets of concrete objects and describe the results using words and pictures	Addition & Subtraction	Manipulatives	1
K	Number Computation	C.1.b	Model subtraction by separating sets of concrete objects and describe the results using words and pictures	Addition & Subtraction	Manipulatives	3
K	Number Computation	C.1.c	Solve a given story problem cooperatively that is based on the combining and separating of models	Addition & Subtraction	Manipulatives	1-4
1	Expressions, Equations, & Inequalities	B.1.a	Represent numeric quantities using concrete and pictorial representations and operational symbols (+,-) with whole numbers to 20	Addition & Subtraction	Manipulatives & Symbols	1-14
1	Expressions, Equations, & Inequalities	B.2.a	Represent relationships using the terms greater than, less than, and equal to for quantities up to 100	Place Value	Auditory Sentences	15
1	Expressions, Equations, & Inequalities	B.2.b	Find the missing number (unknown) in a number sentence using operational symbols (+,-) with whole numbers to 20 using pictures and manipulatives	Addition & Subtraction	Manipulatives & Symbols	2,4,6,8, 12,14
1	Number and Place Value	A.1.a	Use concrete materials to compose and decompose quantities up to 20	Addition & Subtraction	Manipulatives	1-14
1	Number and Place Value	A.1.b	Identify multiple representations for a number, such as: 12, 6 + 6, dozen	Addition & Subtraction	Symbols	7,10
1	Number and Place Value	A.1.c	Demonstrate instant recognition of quantities in patterned sets	Addition & Subtraction	Symbols	1-14

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1	Number and Place Value	A.1.d	Use the numbers of 5 and 10 as anchors in relationship to other numbers	Addition & Subtraction	Symbols	1-14
1	Number and Place Value	A.1.e	Read, write,, and represent whole numbers up to 100 and beyond using models, symbols, and words	Place Value	All	1-8, 13-15
1	Number and Place Value	A.1.f	Express whole numbers up to 99 using expanded form	Place Value	Symbols	13-14
1	Number and Place Value	A.1.g	Identify the place value of a digit in a whole number up to 99	Place Value	Symbols	1-8, 13-15
1	Number Computation	A.1.h	Compare and order whole numbers up to 99 using terms such as: greater than, less than, equal to	Place Value	Symbols	15
1	Number Computation	C.1.a	Develop strategies for addition and subtraction basic facts such as: counting on, counting back, making ten, doubles, and doubles plus one	Addition & Subtraction	Symbols	1-19
1	Number Computation	C.1.b	Solve a given word problem based on addition or subtraction situation	Addition & Subtraction	Word Problems	1-14
1	Number Computation	C.1.c	Identify the concept of inverse operation to addition and subtraction	Addition & Subtraction	Symbols	4,9,14
2	Expressions, Equations, & Inequalities	B.1.a	Represent numeric quantities using operational symbols (+,-) and whole numbers to 25	Addition & Subtraction	Symbols	1-19
2	Expressions, Equations, & Inequalities	B.2.a	Represent relationships using appropriate relational symbols (>,<,=) and operational symbols (+,-) with whole numbers to 100	Place Value	Symbols	15
2	Expressions, Equations, & Inequalities	B.2.b	Find the missing number (unknown) in a number sentence using operational symbols (+,-) with whole numbers up to 50	Place Value	Symbols	14
2	Number and Place Value	A.1.a	use concrete materials to compose and decompose quantities up to 100	Place Value	Manipulatives	13-14

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Grade	Standard	#	Description	Module	Activity	Levels
2	Number and Place Value	A.1.b	List multiple representations for a number	Place Value	Symbols	14,17
2	Number and Place Value	A.1.c	Develop a sense a sense of the size of a number in relation to other numbers	Place Value	Symbols	10
2	Number and Place Value	A.1.d	Use the numbers of 10, 50, and 100 as anchors in relationship to other numbers	Place Value	Symbols	1-19
2	Number and Place Value	A.1.e	Read, write, and represent whole numbers using models, symbols, and words through 1000	Place Value	All	1-19
2	Number and Place Value	A.1.f	Express whole numbers up to 999 using expanded form	Place Value	Symbols	17-18
2	Number and Place Value	A.1.g	Identify the place value of a digit in whole numbers up to 999	Place Value	Symbols	1-19
2	Number and Place Value	A.1.h	Compare and order whole numbers up to 999 using words and relational symbols (>,<,=)	Place Value	Auditory Sentences	19
2	Number Computation	C.1.a	Demonstrate proficiency with addition and subtraction basic facts using a variety of strategies	Addition & Subtraction	Symbols	1-19
2	Number Computation	C.1.b	Add no more than 3 whole number addends with no more than 2 digits in each addend and a sum of not more than 100	Addition & Subtraction	Symbols	1-19
2	Number Computation	C.1.c	Subtract whole numbers with no more than 2 digits in the minuend or the subtrahend	Multi-Digit Addition & Subtraction	Symbols	15
2	Number Computation	C.1.d	Solve word problems based on addition or subtraction situations	Addition & Subtraction	Word Problems	1-19
2	Number Computation	C.1.e	Write word problems for addition and subtraction situations	Addition & Subtraction	Word Problems	1-19

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Grade	Standard	#	Description	Module	Activity	Levels
2	Number Computation	C.1.g	Apply the concept of inverse operations to addition and subtraction	Addition & Subtraction	Symbols	4,9,14
2	Number Computation	C.1.h	Build equal groups to model multiplication	Multiplication & Division	Manipulatives	1,8
2	Number Computation	C.1.i	Build groups that share equally for division	Multiplication & Division	Manipulatives	2,9
3	Expressions, Equations, & Inequalities	B.1.a	Represent numeric quantities using operational symbols (+,-,x,+)	All	Manipulatives & Symbols	All
3	Expressions, Equations, & Inequalities	B.2.a	Represent relationships using appropriate relational symbols (<,>, or =) and operational symbols (+,-,x,÷) on either side	All	Symbols	All
3	Expressions, Equations, & Inequalities	B.2.b	Find the missing number (unknown) in a number sentence (equation) using operational symbols (+,-,x,÷)	All	Symbols	All
3	Expressions, Equations, & Inequalities	B.2.c	Find the missing number(s) (unknown) on one or both sides of a number sentence (equation)	Addition & Subtraction	Symbols	15-19
3	Number & Place Value	A.1.a	Read, write, and represent whole numbers using symbols, words, and models	All	All	All
3	Number & Place Value	A.1.b	Express whole numbers in expanded form	Place Value	Symbols	17-18
3	Number & Place Value	A.1.c	Identify the place value of a digit in a whole number	Place Value	Symbols	1-19
3	Number & Place Value	A.1.d	Compare, order, and describe whole numbers with or without relational symbols (<, >, =)	Place Value	Symbols	19
3	Number Computation	A.1.a	Add numbers using a variety of strategies	Multi-Digit Addition & Subtraction	Symbols	1-24

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Grade	Standard	#	Description	Module	Activity	Levels
3	Number Computation	A.1.b	Subtract numbers using a variety of strategies	Multi-Digit Addition & Subtraction	Symbols	1-24
3	Number Computation	A.1.c	Solve addition and subtraction word problems	Multi-Digit Addition & Subtraction	Word Problems	1-24
3	Number Computation	A.1.e	Identify and apply the concept of inverse operations to addition and subtraction	Addition & Subtraction	Symbols	4,9,14
3	Number Computation	A.1.f	Represent multiplication and division basic facts using number sentences, pictures, and drawings	Multiplication & Division	All	All
3	Number Computation	A.1.g	Identify and use properties of multiplication	Multiplication & Division	Symbols	All
3	Number Computation	A.1.j	Identify and apply the concept of inverse operations to multiplication and division	Multiplication & Division	Symbols	4,9,14
3	Number Computation	A.1.k	Write a word problem based on multiplication or division number sentences	Multiplication & Division	Word Problems	All
K-3	Problem Solving	A.1.a	Identify the question in the problem	All	All	All
K-3	Problem Solving	A.1.b	Decide if enough information is present to solve the problem	All	All	All
K-3	Problem Solving	A.1.c	Make a place to solve a problem	All	All	All
K-3	Problem Solving	A.1.d	Apply a strategy, i.e., draw a picture, guess and check, finding a pattern, writing an equation	All	All	All
K-3	Problem Solving	A.1.e	Select a strategy, i.e., draw a picture, guess and check, finding a pattern, writing an equation	All	All	All

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K-3	Problem Solving	A.1.f	Identify alternative ways to solve a problem	All	All	All
K-3	Problem Solving	A.1.g	Show that a problem might have multiple solutions or no solution	All	All	All
K-3	Problem Solving	A.1.h	Extend the solution of a problem to a new problem situation	All	All	All
K-3	Reasoning	B.1.a	Use inductive or deductive reasoning	All	All	All
K-3	Reasoning	B.1.b	Make or test generalizations	All	All	All
K-3	Reasoning	B.1.c	Support or refute mathematical statements or solutions	All	All	All
K-3	Reasoning	B.1.d	Use methods of proof, i.e., direct, indirect, paragraph, or contradiction	All	All	All
K-3	Communication	C.1.a	Use multiple representations to express concepts or solutions	All	All	All
K-3	Communication	C.1.b	Express mathematical ideas orally	All	All	All
K-3	Communication	C.1.c	Explain mathematical ideas in written from	All	All	All
K-3	Communication	C.1.d	Express solutions using concrete materials	All	All	All
K-3	Communication	C.1.e	Express solutions using pictorial, tabular, graphical, or algebraic methods	All	All	All

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K-3	Communication	C.1.f	Explain solutions in written form	All	All	All
K-3	Communication	C.1.g	Ask questions about mathematical ideas or problems	All	All	All
K-3	Communication	C.1.h	Give or use feedback to revise mathematical thinking	All	All	All
K-3	Communication	D.1.a	Identify mathematical concepts in relationship to other mathematical concepts	All	All	All
K-3	Communication	D.1.b	Identify mathematical concepts in relationship to other disciplines	All	All	All
K-3	Communication	D.1.c	Identify mathematical concepts in relationship to life	All	All	All
K-3	Communication	D.1.d	Ue the relationship among mathematical concepts to learn other mathematical concepts	All	All	All