



Symphony Math[®] Correlation

Alaska Math Performance Standards

Alaska Math Performance Standards				Symphony Math		
Grade	Content Strand	PSGLE	Grade Level Expectation	Module	Activity	Levels
K	Understanding Numbers	N-1	Demonstrating 1-1 correspondence	Quantity	Manipulatives	1
K	Understanding Numbers	N-2	Recognizing and counting whole numbers from 0-20	Quantity	Symbols	1-6
K	Understanding Numbers	N-3	Writing and ordering whole numbers from 0-20	Quantity	Symbols	1-6
K	Understanding Meaning of Operations	N-9	Recognizing (+), (-), and (=) signs	Addition & Subtraction	Symbols	1-4
K	Understanding Meaning of Operations	N-10	Using objects or pictures to model addition and subtraction of whole numbers	Addition & Subtraction	Manipulatives	1-4
K	Understanding Meaning of Operations	N-11	Using number lines or objects related to real situations	Quantity	Word Problems	1-6
K	Measurable Attributes	MEA-1	Making comparisons between objects using concepts of big/little, long/short, large/small, more/less, same	Quantity	Manipulatives	1-6
K	Estimation	E&C-1	Comparing the number of objects in different sets using more, less, same	Quantity	Auditory Sentences	1-6
K	Computation	E&C-3	Adding and subtracting whole numbers up to ten using manipulatives.	Addition & Subtraction	Manipulatives	1
K	Modeling and Solving Equations and Inequalities	F&R-4	Adding or subtracting whole numbers to 10 using manipulatives to solve story problems	Addition & Subtraction	Word Problems	1

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K	Modeling and Solving Equations and Inequalities	F&R-5	Showing more, less, or equal to using objects.	Quantity	Manipulatives	1-6
K	Problem Solving	PS-1	Solving simple problems using concrete objects	Quantity	Manipulatives	1-6
K	Communication	PS-2	Telling how objects were used to solve simple problems	Quantity	Manipulatives	1-6
K	Reasoning	PS-3	Explaining what makes sense	Quantity	All	1-6
K	Reasoning	PS-4	Drawing pictures that support simple mathematical statements	Quantity	Manipulatives & Symbols	1-6
1	Understanding Numbers	N-1	Reading, writing, ordering/counting and modeling correspondence of whole numbers	Quantity	Manipulatives & Symbols	1-6
1	Understanding Numbers	N-2	Comparing whole numbers using the words greater than, less than or equal to	Quantity	Auditory Sentences	2-6
1	Understanding Meaning of Operations	N-6	Using objects, pictures, and problem situations to model addition and subtraction of whole numbers	Addition & Subtraction	Manipulatives	1-14
1	Understanding Meaning of Operations	N-7	Identifying groups of objects as repeated addition or equal shares	Multiplication & Division	Manipulatives	1-6
1	Number Theory	N-10	Identifying fact families	Addition & Subtraction	Symbols	4,9,14
1	Measurable Attributes	MEA-1	Measuring and/or comparing objects using standard and nonstandard units	Place Value	Manipulatives	4,8
1	Computation	E&C-3	Recalling addition and subtraction facts 0-10	Addition & Subtraction	Symbols	1-8
1	Computation	E&C-4	Recalling doubles to 20	Multiplication & Division	Symbols	1

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1	Modeling and Solving Equations and Inequalities	F&R-3	Adding and subtracting whole numbers to 20 using manipulatives to solve story problems	Addition & Subtraction	Manipulatives	1-13
1	Modeling and Solving Equations and Inequalities	F&R-5	Using the terms equal to, more than, and less than for numbers up to 20	Place Value	Auditory Sentences	15
1	Problem Solving	PS-1	Creating and solving simple problems using a variety of strategies	Addition & Subtraction	All	1-19
1	Communication	PS-2	Translating problems from everyday language into math language and symbols (+, -, =)	Addition & Subtraction	Auditory Sentences	1-19
1	Communication	PS-3	Using everyday language to explain thinking about problem solving strategies and solutions to problems	Addition & Subtraction	Word Problems	1-13
2	Understanding Numbers	N-1	Reading, writing, ordering/counting and modeling correspondence of whole numbers	Place Value	Manipulatives & Symbols	4,11
2	Understanding Numbers	N-2	Modeling and identifying place value positions: ones, tens, and hundreds	Place Value	Symbols	1-18
2	Meaning of Operations	N-5	Describing or illustrating the process of addition and subtraction of whole numbers and their relationships	Addition & Subtraction	Manipulatives	1-19
2	Number Theory	N-6	Modeling or explaining the commutative and identify properties of addition	Addition & Subtraction	Manipulatives	1-19
2	Number Theory	N-8	Modeling fact families	Addition & Subtraction	Manipulatives	4,9,14
2	Measurable Attributes	MEA-2	Comparing and ordering objects by length, weight, area, time, temperature	Place Value	Manipulatives	4,8,12, 15,16
2	Measurable Attributes	MEA-3	Comparing objects to standard and nonstandard units to identify objects that are greater than, less than, and equal to a given unit	Place Value	Manipulatives	4,8,12, 15,16

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2	Computation	E&C-4	Recalling addition and subtraction facts to 20	Addition & Subtraction	Symbols	1-13
2	Computation	E&C-5	Solving two-digit addition and subtraction problems using a variety of models and algorithms	Multi-Digit Addition & Subtraction	All	9-16
2	Computation	E&C-6	Using repeated addition with objects to model multiplication	Multiplication & Division	Manipulatives	1-3, 8-10
2	Computation	E&C-7	Using equal shares with objects to model division	Multiplication & Division	Manipulatives	4-7 11-14
2	Modeling and Solving Equations and Inequalities	F&R-3	Solving a problem with an unknown (e.g., $7+?=10$)	Addition & Subtraction	Symbols	1-19
2	Modeling and Solving Equations and Inequalities	F&R-4	Using the terms equal to, greater than, and less than for numbers up to 100	Place Value	Auditory Sentences	15
2	Problem Solving	PS-1	Creating and solving a variety of problems using appropriate strategies	All	All	All
2	Communication	PS-3	Translating problems from everyday language into math language and symbols (+, -, =, <, >)	All	Auditory Sentences	All
2	Communication	PS-4	Using everyday language to explain thinking about problem solving strategies and solutions to problems	All	Word Problems	All
2	Communication	PS-5	Using manipulatives, models, pictures, and language to represent and communicate mathematical ideas	All	All	All
3	Understanding Numbers	N-1	Reading, writing, ordering, or [counting L]	Place Value	Symbols	1-18
3	Understanding Numbers	N-2	Modeling (base ten blocks) or identifying place value positions to thousands	Place Value	Manipulatives	1-18

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3	Understanding Numbers	N-3	Using appropriate representations of ordinal or cardinal numbers	Place Value	Manipulatives & Symbols	1-18
3	Understanding Meaning of Operations	N-6	[using models, explanations, number lines, or real-life situations L] describing or illustrating the process of addition and subtraction of whole numbers and their relationships	Addition & Subtraction	All	1-19
3	Number Theory	N-7	[describing or illustrating identity property of addition L]	Addition & Subtraction	Manipulatives	1-19
3	Number Theory	N-8	[modeling (with manipulatives) and explaining commutative property of addition L]	Addition & Subtraction	Manipulatives	4,9,14
3	Computation	E&C-3	[recalling basic addition and subtraction facts, sums to 20, and corresponding subtraction facts efficiently L]	Addition & Subtraction	Symbols	1-19
3	Computation	E&C-4	Adding or subtracting two-digit whole numbers	Multi-Digit Addition & Subtraction	Symbols	9-16
3	Computation	E&C-5	Using repeated addition to model multiplication with whole numbers with products to 25	Multiplication & Division	Manipulatives	1-3, 8-10
3	Computation	E&C-6	Using grouping or “sharing equally” to model division with whole numbers to 25	Multiplication & Division	Manipulatives	4-7 11-14
3	Modeling and Solving Equations and Inequalities	F&R-4	Using an open number sentence (addition or subtraction) to solve for an unknown represented by a box or circle (e.g., $5+?=16$, $?-7=4$, $5+2=?$)	Addition & Subtraction	Symbols	1-19
3	Modeling and Solving Equations and Inequalities	F&R-5	Using appropriate vocabulary or symbols for greater than, less than, or equal to	Place Value	Auditory Sentences	4,8,12, 15,16
3	Communication	PS-2	Representing mathematical problems using manipulatives, models, pictures, and/or everyday language; or using everyday language to explain thinking about the problem-solving strategies and solutions to problems	All	All	All