



Symphony Math[®] Correlation

Arizona Mathematics Standard

Arizona Mathematics Standard				Symphony Math		
Grade	Strand	#	Standard	Module	Activity	Levels
K	Number & Operations	1.PO.1	Express whole numbers to 20 using and connecting multiple representations.	Quantity	All	1-10
K	Number & Operations	1.PO.4	Compare and order whole numbers through 20.	Quantity	Symbols	1-10
K	Number & Operations	2.PO.1	Solve contextual problems by developing, applying, and recording strategies with sums and minuends to 10 using objects, pictures and symbols.	Addition & Subtraction	Story Problems	1-4
K	Number & Operations	2.PO.2	Develop and use multiple strategies to determine <ul style="list-style-type: none"> • sums to 10 and • differences with minuends to 10. 	Addition & Subtraction	Symbols	1-4
K	Number & Operations	2.PO.3	Create word problems based on sums to 10 and differences with minuends to 10.	Addition & Subtraction	Story Problems	1-4
K	Patterns, Algebra & Functions	3.PO.1	Record equivalent forms of whole numbers to 10 by constructing models and using numbers.	Addition & Subtraction	Manipulatives & Symbols	1-4
K	Patterns, Algebra & Functions	3.PO.2	Compare expressions using spoken words and the symbol =.	Quantity	Auditory Sentences	1
K	Measurement	4.PO.1	Compare and order objects according to observable and measurable attributes.	Quantity	Manipulatives	1-6
K	Measurement	4.PO.2	Use the attribute of length to describe and compare objects using non-standard units.	Addition & Subtraction	Manipulatives	1-4
K	Logic, Reasoning, Problem Solving & Proof	2.PO.1	Identify the question(s) asked and any other questions that need to be answered in order to find a solution.	Addition & Subtraction	All	1-4
K	Logic, Reasoning, Problem Solving & Proof	2.PO.2	Identify the given information that can be used to find a solution.	Addition & Subtraction	Story Problems	1-4

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Grade	Strand	#	Standard	Module	Activity	Levels
K	Logic, Reasoning, Problem Solving & Proof	2.PO.3	Select from a variety of problem-solving strategies and use one or more strategies to arrive at a solution.	Addition & Subtraction	All	1-4
K	Logic, Reasoning, Problem Solving & Proof	2.PO.4	Represent a problem situation using any combination of words, numbers, pictures, physical objects, or symbols.	Addition & Subtraction	All	1-4
K	Logic, Reasoning, Problem Solving & Proof	2.PO.5	Explain and clarify mathematical thinking.	Addition & Subtraction	All	1-4
K	Logic, Reasoning, Problem Solving & Proof	2.PO.6	Determine whether a solution is reasonable.	Addition & Subtraction	All	1-4
1	Number & Operations	1.PO.1	Express whole numbers 0 to 100, in groups of tens and ones using and connecting multiple representations.	Place Value	Manipulatives & Symbols	1-11
1	Number & Operations	1.PO.4	Compare and order whole numbers through 100 by applying the concepts of place value.	Place Value	Symbols	1-11
1	Number & Operations	2.PO1	Solve contextual problems using multiple representations for addition and subtraction facts.	Addition & Subtraction	Story Problems	1-14
1	Number & Operations	2.PO.2	Demonstrate addition and subtraction of numbers that total less than 100 by using various representations that connect to place value concepts.	Place Value	All	1-14
1	Number & Operations	2.PO.3	Develop and use multiple strategies for addition facts to 10+10 and their related subtraction facts.	Addition & Subtraction	Symbols	1-14
1	Number & Operations	2.PO.4	Create word problems based on addition and subtraction facts.	Addition & Subtraction	Story Problems	1-14
1	Number & Operations	2.PO.5	Apply properties to solve addition/subtraction problems <ul style="list-style-type: none"> • identity property of addition/subtraction and • commutative property of addition. 	Addition & Subtraction	Symbols	1-4, 9,14
1	Patterns, Algebra, & Functions	3.PO.1	Record equivalent forms of whole numbers to 100 by constructing models and using numbers.	Place Value	All	1-14
1	Patterns, Algebra, & Functions	3.PO.2	Compare expressions using spoken words and the symbols = and \neq .	Quantity	Auditory Sentences	1,6

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Grade	Strand	#	Standard	Module	Activity	Levels
1	Patterns, Algebra, & Functions	3.PO.3	Represent a word problem requiring addition or subtraction facts using an equation.	Addition & Subtraction	Story Problems	1-14
1	Geometry & Measurement	4.PO.1	Compare and order objects according to length, capacity, and weight.	Place Value	Manipulatives	4,8,11, 15
1	Logic, Reasoning, Problem Solving, & Proof	5.PO.1	Identify the question(s) asked and any other questions that need to be answered in order to find a solution.	Place Value	Story Problems	1-18
1	Logic, Reasoning, Problem Solving, & Proof	5.PO.2	Identify the given information that can be used to find a solution.	Place Value	Story Problems	1-18
1	Logic, Reasoning, Problem Solving, & Proof	5.PO.3	Select form a variety of problem-solving strategies and use one or more strategies to arrive at a solution.	Place Value	All	1-18
1	Logic, Reasoning, Problem Solving, & Proof	5.PO.4	Represent a problem situation using any combination of words, numbers, pictures, physical objects, or symbols.	Place Value	All	1-18
1	Logic, Reasoning, Problem Solving, & Proof	5.PO.5	Explain and clarify mathematical thinking.	Place Value	All	1-18
1	Logic, Reasoning, Problem Solving, & Proof	5.PO.6	Determine whether a solution is reasonable.	Place Value	All	1-18
2	Number & Operations	1.PO.1	Express whole numbers 0 to 1000, in groups of hundreds, tens and ones using and connecting multiple representations.	Place Value	Manipulatives & Symbols	1-18
2	Number & Operations	1.PO.4	Compare and order whole numbers through 1000 by applying the concept of place value.	Place Value	Symbols	4,8,11, 15
2	Number & Operations	2.PO.1	Solve contextual problems using multiple representations involving <ul style="list-style-type: none"> • addition and subtraction with one- and/or two- digit numbers, • multiplication for 1s, 2s, 5s, and 10s, and • adding and subtracting money to \$1.00 	Multiplication & Division Multi-Digit Addition & Subtraction	Story Problems	All
2	Number & Operations	2.PO.2	Demonstrate the ability to add and subtract whole numbers (to two digits) and decimals (in the context of money) <ul style="list-style-type: none"> • with up to three addends and • to \$1.00 	Multi-Digit Addition & Subtraction	Symbols	1-14

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Grade	Strand	#	Standard	Module	Activity	Levels
2	Number & Operations	2.PO.3	Demonstrate fluency of addition and subtraction facts.	Addition & Subtraction	Symbols	1-14
2	Number & Operations	2.PO.4	Apply and interpret the concept of addition and subtraction as inverse operations to solve problems.	Addition & Subtraction	Symbols	4,9,14
2	Number & Operations	2.PO.5	Create and solve word problems based on addition and subtraction of two digit numbers.	Multi-Digit Addition & Subtraction	Story Problems	1,5,9
2	Number & Operations	2.PO.6	Demonstrate the concept of multiplication for 1s, 2s, 5s, and 10s.	Multiplication & Division	Symbols	1-7
2	Number & Operations	2.PO.8	Apply properties to solve addition/subtraction problems <ul style="list-style-type: none"> • identity property of addition/subtraction • commutative property of addition, and • associative property of addition. 	Addition & Subtraction	Symbols	4,9,14
2	Patterns, Algebra, and Functions	3.PO.1	Record equivalent forms of whole numbers to 1000 by constructing models and using numbers.	Place Value	Manipulatives & Symbols	1-18
2	Patterns, Algebra, and Functions	3.PO.2	Compare expressions using spoken words and the symbols =, ≠, <, and >.	Quantity	Auditory Sentences	1-6
2	Patterns, Algebra, and Functions	3.PO.3	Represent a word problem requiring addition or subtraction through 100 using an equation.	Multi-Digit Addition & Subtraction	Story Problems	1-16
2	Patterns, Algebra, and Functions	3.PO.4	Identify the value of an unknown number in an equation involving an addition or subtraction fact.	Addition & Subtraction	Symbols	1-19
2	Structure & Logic	5.PO.1	Identify the question(s) asked and any other questions that need to be answered in order to find a solution.	Multi-Digit Addition & Subtraction	Story Problems	1-24
2	Structure & Logic	5.PO.2	<ul style="list-style-type: none"> • Identify the given information that can be used to find a solution. 	Multi-Digit Addition & Subtraction	Story Problems	1-24
2	Structure & Logic	5.PO.3	<ul style="list-style-type: none"> • Select from a variety of problem-solving strategies and use one or more strategies to arrive at a solution. 	Multi-Digit Addition & Subtraction	All	1-24

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Grade	Strand	#	Standard	Module	Activity	Levels
2	Structure & Logic	5.PO.4	Represent a problem situation using any combination of words, numbers, pictures, physical objects, or symbols.	Multi-Digit Addition & Subtraction	All	1-24
2	Structure & Logic	5.PO.5	Explain and clarify mathematical thinking.	Multi-Digit Addition & Subtraction	All	1-24
2	Structure & Logic	5.PO.6	Determine whether a solution is reasonable.	Multi-Digit Addition & Subtraction	All	1-24
3	Number & Operations	2.PO.1	Add and subtract whole numbers to four digits.	Multi-Digit Addition & Subtraction	Symbols	1-24
3	Number & Operations	2.PO.2	Create and solve word problems based on addition, subtraction, multiplication, and division.	Multi-Digit Addition & Subtraction Multiplication & Division	Story Problems	All
3	Number & Operations	2.PO.3	Demonstrate the concept of multiplication and division using multiple models.	Multiplication & Division	All	1-9
3	Number & Operations	2.PO.4	Demonstrate fluency of multiplication and division facts through 10.	Multiplication & Division	Symbols	1-9
3	Number & Operations	2.PO.5	Apply and interpret the concept of multiplication and division as inverse operations to solve problems.	Multiplication & Division	Symbols	6,13
3	Number & Operations	2.PO.6	Describe the effect of operations (multiplication and division) on the size of whole numbers.	Multiplication & Division	Symbols	1-14
3	Number & Operations	2.PO.7	Apply commutative, identity, and zero properties to multiplication and apply the identify property to division.	Multiplication & Division	Symbols	1-14
3	Patterns, Algebra, & Functions	2.PO.2	Translate between the different representations of whole number relationships, including symbolic, numerical, verbal, or pictorial.	Multiplication & Division	All	1-14
3	Patterns, Algebra, & Functions	3.PO.2	Use a symbol to represent an unknown quantity in a given context.	Multiplication & Division	Symbols	1-14
3	Patterns, Algebra, & Functions	3.PO.3	Create and solve simple one-step equations that can be solved using addition and multiplication facts.	Multiplication & Division	Story Problems	1-14
3	Structure & Logic	2.PO.1	Analyze a problem situation to determine the question(s) to be answered.	Multiplication & Division	Story Problems	1-14