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Arizona Mathematics Standards Correlated to
Moving with Math Extensions Grade 1

		Student Book	Skill Builders
	STRAND 1: NUMBER AND OPERATIONS		
	Concept 1: Number Sense		
PO.1	Express whole numbers 0 to 100, in groups of tens and ones using and connecting multiple representations.	29, 30, 37	4-1, 4-2, 4-3
PO.2	Count forward to 100 and backward from 100 by 1's and 10's using different stating points, and count forward to 100 by 2's and 5's.	32-36	9-2, 30-1
PO.3	Identify numbers which are 10 more or less than a given number to 90.		
PO.4	Compare and order whole numbers though 100 by applying the concept of place value.	34	
PO.5	Recognize and compare ordinal numbers, first through tenth.	7	13-1
	Concept 2: Numerical Operations		
PO.1	Solve contextual problems using multiple representations for addition and subtraction fact.	10-13, 17, 51-54	
PO.2	Demonstrate addition and subtraction of numbers that total less than 100 by using various representations that connect to place value concepts.	44-50	20-1, 21-1, 22-1, 25-2, 25-3
PO.3	Develop and use multiple strategies for addition facts to 10 + 10 and their related subtraction facts.	11-14, 18-22	16-1, 16-2, 16-3, 18-1, 18-2
PO.4	Create word problems based on addition and subtraction facts.	51	25-3
PO.5	Apply properties to solve addition/subtraction problems		
•	identity property of addition/subtraction and	19	
•	commutative property of addition.	13	15-2
	Concept 3: Estimation		
PO.1	Use estimation to determine if sums are more or less than 5, more or less than 10, or more or less than 20.		28-2
	STRAND 2: DATA ANALYSIS, PROBABILITY, AND DISCRETE MATHEMATICS		
	Concept 1: Data Analysis (Statistics)		

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PO.1	Collect, record, organize, and display data using tally charts or pictographs.	63	50-2
PO.2	Ask and answer questions by interpreting simple displays of data, including tally charts or pictographs.	63	50-3
	Concept 2: Probability		
	No performance objectives at this grade level.		
	Concept 3: Systematic Listing and Counting		
PO.1	Use Venn diagrams to sort, classify, and count object and justify the sorting rule.		
	Concept 4: Vertex-Edge Graphs		
	No performance objectives at this grade level.		
	STAND 3: PATTERNS, ALGEBRA, AND FUNCTIONS		
	Concept 1: Patterns		
PO.1	Recognize, describe, extend, create, and record repeating patterns.	6	6-1, 9-1, 14-1
PO.2	Recognize, describe, extend, create, and record growing patterns.	36	6-1, 9-1
	Concept 2: Function and Relationships		
	No performance objectives in this grade level.		
	Concept 3: Algebraic Representation		
PO.1	Record equivalent forms of whole numbers to 100 by constructing models and using numbers.	37-39	
PO.2	Compare expressions using spoken words and the symbols = and ≠.	51, 54	
PO.3	Represent a word problem requiring addition or subtraction facts using an equation.	51, 54, 58, 59	29-1
	Concept 4: Analysis of Change		
	No performance objectives in this grade level		
	STRAND 4: GEOMETRY AND MEASUREMENT		
	Concept 1 Geometric Properties		
PO.1	Identify and draw 2-dimensional geometric figures based on given attributes regardless of size or orientation.		37-1, 38-1, 39-1, 40-1
PO.2	Compare and sort basic 2-dimensional figures (including irregular figures) using attributes and explain the reasoning for the sorting.		

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PO.3	Describe the results of composing and decomposing 2-dimensional figures.		
	Concept 2: Transformation of Shapes		
	No performance objectives at this grade level		
	Concept 3: Coordinate Geometry		
	No performance objectives at this grade level		
	Concept 4: Measurement		
PO.1	Compare and order objects according to length, capacity, and weight.		10-1, 12-1
PO.2	Measure and compare the length of objects using the benchmark of one inch.	61	
PO.3	Sequence the days of the week and the months of the year.		49-3
	STRAND 5: STRUCTURE AND LOGIC		
	Concept 1: Algorithms and Algorithmic Thinking		
	No performance objectives at this grade level.		
	Concept 2: Logic, Reasoning, Problem Solving and Proof		
PO.1	Identify the question(s) asked and any other questions that need to be answered in order to find a solution.	10	
PO.2	Identify the given information that can be used to find a solution.	10	
PO.3	Select from a variety of problem-solving strategies and use one or more strategies to arrive at a solution.	10, 11	
PO.4	Represent a problem situation using any combinations of words, numbers, pictures, physical objects, or symbols.	10	
PO.5	Explain and clarify mathematical thinking.	journal prompts throughout	
PO.6	Determine whether a solution is reasonable.	58	