



# Math Teachers Press, Inc.

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## Arizona Mathematics Standards Correlated to *Moving with Math Primary Connections Kindergarten*

		Student Book	Skill Builders
<b>STRAND 1: NUMBER AND OPERATIONS</b>			
<b>Concept 1: Number Sense</b>			
<b>PO.1</b>	Express whole numbers 0 to 20 using and connecting multiple representations	43-48, 51-56, 65-74, 164-168	5-3 to 5-6
<b>PO.2</b>	Count forward to 20 and backward from 10 with and without objects using different starting points.	75, 169	
<b>PO.3</b>	Identify numbers which are one more or less than a given number to 20.	50, 78, 80	
<b>PO.4</b>	Compare and order whole numbers through 20.	87, 170	
<b>PO.5</b>	Recognize and compare the ordinal position of at least five objects.	60	9-1
<b>Concept 2: Numerical Operations</b>			
<b>PO.1</b>	Solve contextual problems by developing, applying, and recording strategies with sums and minuends to 10 using objects, pictures, and symbols.	120-126, 136-139	
<b>PO.2</b>	Develop and use multiple strategies to determine		
	• sums to 10 and	128, 129, 131	26-1, 26-2
	• differences with minuends to 10.	140-142	27-2
<b>PO.3</b>	Create word problems based on sums to 10 and differences with minuends to 10.	119 (T.G.), 134 (T.G.)	
<b>Concept 3: Estimation</b>			
<b>PO.1</b>	Identify quantities to 20 as more or less than 5 or as more or less than 10.		
<b>STRAND 2: DATA ANALYSIS, PROBABILITY, AND DISCRETE MATHEMATICS</b>			
<b>Concept 1: Data Analysis (Statistics)</b>			
<b>PO.1</b>	Construct simple displays of data using objects or pictures.	61 (T.G.)	30-1
<b>PO.2</b>	Ask and answer questions by counting, comparing quantities, and interpreting simple displays of data.	61, 103	30-2

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	<b>Concept 2: Probability</b>		
	No performance objectives at this grade level.		
	<b>Concept 3: Systematic Listing and Counting</b>		
PO.1	Sort, classify, count, and represent up to 20 objects and justify the sorting rule.	3, 11	13-2
	<b>Concept 4: Vertex-Edge Graphs</b>		
	No performance objectives at this grade level.		
	<b>STRAND 3: PATTERNS, ALGEBRA AND FUNCTIONS</b>		
	<b>Concept 1: Patterns</b>		
PO.1	Recognize, describe, extend, create, and record simple repeating patterns.	13, 35, 81	4-1, 4-2, 4-3
PO.2	Recognize, describe, extend, and record simple growing patterns.	58	
	<b>Concept 2: Functions and Relationships</b>		
	No performance objectives at this grade level.		
	<b>Concept 3: Algebraic Representations</b>		
PO.1	Record equivalent forms of whole numbers to 10 by constructing models and using numbers.	75	
PO.2	Compare expressions using spoken words and the symbol =.	125, 126	
	<b>Concept 4: Analysis of Change</b>		
	No performance objectives at this grade level.		
	<b>STRAND 4: GEOMETRY AND MEASUREMENT</b>		
	<b>Concept 1: Geometric Properties</b>		
PO.1	Identify, analyze, and describe circles, triangles, and rectangles (including squares) in different orientations and environments.	27-29, 33	
PO.2	Build, draw, compare, describe, and sort 2-dimensional figures (including irregular figures) using attributes.	25, 26, 34	15-2
	<b>Concept 2: Transformation of Shapes</b>		
	No performance objectives at this grade level.		
	<b>Concept 3: Coordinate Geometry</b>		
	No performance objectives at this grade level.		

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	<b>Concept 4: Measurement</b>		
<b>PO.1</b>	Compare and order objects according to observable and measurable attributes.	106, 107, 113, 115	21-1
<b>PO.2</b>	Use the attribute of length to describe and compare objects using non-standard units.	110	20-2
	<b>STRAND 5: STRUCTURE AND LOGIC</b>		
	<b>Concept 1: Algorithms and Algorithmic Thinking</b>		
	No performance objectives at this grade level.		
	<b>Concept 2: Logic, Reasoning, Problem Solving, and Proof</b>		
<b>PO.1</b>	Identify the question(s) asked and any other questions that need to be answered in order to find a solution.	126-127 (T.G.)	
<b>PO.2</b>	Identify the given information that can be used to find a solution.	136 (T.G.)	
<b>PO.3</b>	Select from a variety of problem-solving strategies and use one or more strategies to arrive at a solution.	147 (T.G.)	
<b>PO.4</b>	Represent a problem situation using any combination of words, numbers, pictures, physical objects, or symbols.	147	
<b>PO.5</b>	Explain and clarify mathematical thinking.	assessments throughout	
<b>PO.6</b>	Determine whether a solution is reasonable.	91	