



Math Teachers Press, Inc.

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Arizona Mathematics Standards Correlated to *Moving with Math Extensions Kindergarten*

| | | Student Book | Skill Builders |
|-----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------------------|
| STRAND 1: NUMBER AND OPERATIONS | | | |
| Concept 1: Number Sense | | | |
| PO.1 | Express whole numbers 0 to 20 using and connecting multiple representations | 23, 24, 27, 61, 62 | 5-1, 5-2, 6-1, 6-2, 10-1, 10-2 |
| PO.2 | Count forward to 20 and backward from 10 with and without objects using different starting points. | 25 | |
| PO.3 | Identify numbers which are one more or less than a given number to 20. | 26 | 7-1, 7-2 |
| PO.4 | Compare and order whole numbers through 20. | 28 | 8-1 |
| PO.5 | Recognize and compare the ordinal position of at least five objects. | 22 | 9-1 |
| Concept 2: Numerical Operations | | | |
| PO.1 | Solve contextual problems by developing, applying, and recording strategies with sums and minuends to 10 using objects, pictures, and symbols. | 43-51 | 26-1, 26-2, 27-1, 27-2 |
| PO.2 | Develop and use multiple strategies to determine | | |
| | • sums to 10 and | 43-46 | |
| | • differences with minuends to 10. | 47-50 | |
| PO.3 | Create word problems based on sums to 10 and differences with minuends to 10. | 51 | |
| Concept 3: Estimation | | | |
| PO.1 | Identify quantities to 20 as more or less than 5 or as more or less than 10. | | |
| STRAND 2: DATA ANALYSIS, PROBABILITY, AND DISCRETE MATHEMATICS | | | |
| Concept 1: Data Analysis (Statistics) | | | |
| PO.1 | Construct simple displays of data using objects or pictures. | 2 | |
| PO.2 | Ask and answer questions by counting, comparing quantities, and interpreting simple displays of data. | 21, 55 | 30-1 |
| Concept 2: Probability | | | |
| No performance objectives at this grade level. | | | |
| Concept 3: Systematic Listing and Counting | | | |

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| PO.1 | Sort, classify, count, and represent up to 20 objects and justify the sorting rule. | 3 | |
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| | Concept 4: Vertex-Edge Graphs | | |
| | No performance objectives at this grade level. | | |
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| | STRAND 3: PATTERNS, ALGEBRA AND FUNCTIONS | | |
| | Concept 1: Patterns | | |
| PO.1 | Recognize, describe, extend, create, and record simple repeating patterns. | 7, 12 | |
| PO.2 | Recognize, describe, extend, and record simple growing patterns. | | |
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| | Concept 2: Functions and Relationships | | |
| | No performance objectives at this grade level. | | |
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| | Concept 3: Algebraic Representations | | |
| PO.1 | Record equivalent forms of whole numbers to 10 by construction models and using numbers. | 46, 49 | |
| PO.2 | Compare expressions using spoken words and the symbol =. | 44, 47 | |
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| | Concept 4: Analysis of Change | | |
| | No performance objectives at this grade level. | | |
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| | STRAND 4: GEOMETRY AND MEASUREMENT | | |
| | Concept 1: Geometric Properties | | |
| PO.1 | Identify, analyze, and describe circles, triangles, and rectangles (including squares) in different orientations and environments. | 13-16 | |
| PO.2 | Build, draw, compare, describe, and sort 2-dimensional figures (including irregular figures) using attributes. | 13 | |
| | | | |
| | Concept 2: Transformation of Shapes | | |
| | No performance objectives at this grade level. | | |
| | | | |
| | Concept 3: Coordinate Geometry | | |
| | No performance objectives at this grade level. | | |
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| | Concept 4: Measurement | | |
| PO.1 | Compare and order objects according to observable and measurable attributes. | 6, 37, 40, 41 | 14-1, 20-1 |
| PO.2 | Use the attribute of length to describe and compare objects using non-standard units. | 38, 39 | 20-2, 21-1 |
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| 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. | 51 | |
| PO.2 | Identify the given information that can be used to find a solution. | 44 | |
| PO.3 | Select from a variety of problem-solving strategies and use one or more strategies to arrive at a solution. | 45 (T.G.) | |
| PO.4 | Represent a problem situation using any combination of words, numbers, pictures, physical objects, or symbols. | 51 | |
| PO.5 | Explain and clarify mathematical thinking. | journal prompts throughout | |
| PO.6 | Determine whether a solution is reasonable. | 51 (T.G.) | |