



Math Teachers Press, Inc.

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NEVADA MATHEMATICS STANDARDS CORRELATED TO MOVING WITH MATH@-MATH FOUNDATIONS LEVEL B (Grade 4)

		B1 Numeration, Addition, & Subtraction Student Book Skill Builders (SB)	B2 Multiplication & Division Basic Facts Student Book Skill Builders (SB)	B3 Multiplication & Division - Problem Solving Student Book Skill Builders (SB)	B4 Fractions, Decimals, Geometry, Measurement Student Book Skill Builders (SB)
1.0	NUMBER, NUMBER SENSE, AND COMPUTATION				
	Students will accurately calculate and use estimation techniques, number relationships, operation rules, and algorithms; they will determine the reasonableness of answers and the accuracy of solutions to solve problems, communicate, reason, and make connections within and beyond the field of mathematics.				
1.4.1	Place Value Identify and use place value positions of whole numbers to one million.	17, 18 SB: 6-1, 6-2, 6-4			
1.4.2	Fractions Identify fractions and compare fractions with like denominators using models, drawings, and numbers.				
1.4.3	Comparing and Ordering Read, write, compare and order whole numbers.	6, 16, 19-21 SB: 2-3, 2-4			

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<ul style="list-style-type: none"> Read and write number words. 	20, 21 SB: 4-2, 5-1, 5-2			
1.4.4 Count by multiples of a given number.	8, 9, 14 SB: 3-2			
<ul style="list-style-type: none"> Explain relationships between skip counting, repeated addition, and multiples. 		2, 5, 16 SB: 20-1 to 20-3	3 SB: 20-20	
1.4.5 Immediately recall and use multiplication and corresponding division facts (products to 144).		20, 39 SB: 20-8	7, 13 SB: 20-24, 20-30, 23-2, 25-23, 25-26	
1.4.6 Estimate to determine the reasonableness of an answer in mathematical and practical situations.	60, 61, 63 SB: 10-14, 15-16	59 SB: 21-2	23, 24, 34 SB: 21-6, 21-7, 26-13	
1.4.7 Add and subtract multi-digit numbers.	32-37, 45-51 SB: 10-4 to 10-12, 15-5 to 15-12			
<ul style="list-style-type: none"> Multiply and divide multi-digit numbers by a one-digit whole number with regrouping, including monetary amounts as decimals 		56, 57, 74 SB: 21-1, 26-4	18-21, 26-29, 35, 62-65, 69-73 SB: 21-3 to 21-5, 21-8, 26-9, 27-1	
Solving Problems and Number Theory				

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1.4.8	Generate and solve addition, subtraction, multiplication and division problems using whole numbers in practical situations.	38, 64, 65 SB: 15-13, 15-14	34 SB: 20-18	10, 76 SB: 20-27	
2.0	PATTERNS, FUNCTIONS AND ALGEBRA Students will use various algebraic methods to analyze, illustrate, extend, and create numerous representations (words, numbers, tables, and graphs) of patterns, functions, and algebraic relations as modeled in practical situations to solve problems, communicate, reason, and make connections within and beyond the field of mathematics.				
2.4.1	Patterns Identify, describe, and represent patterns and relationships in the number system, including arithmetic and geometric sequences.	10, 11 SB: 3-2		14, 15 SB: 20-31	
2.4.2	Variables and Unknown Model, explain, and solve open number sentences involving addition, subtraction, multiplication, and division.	38, 41 SB: 14-2, 15-15	34, 36, 69 SB: 24-1, 26-6, 29-1	39, 40 SB: 24-3, 47-9	
•	Select the solution to an equation from a given set of numbers.	Test Prep Questions throughout	Test Prep Questions throughout	Test Prep Questions throughout	
2.4.3	Number sentences, Expressions, and Polynomials Complete number sentences with the appropriate words and symbols (+, -, ×, ÷, >, <, =).	29, 41		SB: 29-2	
3.0	MEASUREMENT				

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	Students will use appropriate tools and techniques of measurement to determine, estimate, record, and verify direct and indirect measurements to solve problems, communicate, reason, and make connections within and beyond the field of mathematics.				
	Comparison, Estimation and Conversion				
3.4.1	Estimate and convert units of measure for length, area, and weight within the same measurement system (customary and metric).				
•	Estimate temperature in practical situations.				
	Precision in Measurements				
3.4.2	Measure length, area, temperature, and weight to a required degree of accuracy in customary and metric systems.				
	Formulas				
3.4.3	Define and determine the perimeter of polygons and the area of rectangles, including squares.				
	Money				
3.4.4	Determine totals for monetary amounts in practical situations.	59 SB: 47-3			
•	Use money notation to add and subtract given monetary amounts.	58 SB: 47-2			
	Time				
3.4.6	Use A.M. and P.M. appropriately in describing time.				

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	<ul style="list-style-type: none"> Use elapsed time in quarter-hour increments, beginning on the quarter-hour, to determine start, end, and elapsed time. Recognize the number of weeks in a year, days in a year, and days in a month. 				
4.0	SPATIAL RELATIONSHIPS, GEOMETRY AND LOGIC				
	Students will identify, represent, verify, and apply spatial relationships and geometric properties to solve problems, communicate, and make connections within and beyond the field of mathematics.				
	Two-Dimensional Shapes				
4.4.1	Identify, draw, and classify angles, including straight, right, obtuse, and acute.				
	Congruence, Similarity, and Transformations				
4.4.2	Identify shapes that are congruent, similar, and/or symmetrical using a variety of methods including transformational motions.				
	Coordinate Geometry and Lines of Symmetry				
4.4.3	Identify coordinates for a given point in the first quadrant.	12, 13 SB: 48-1, 48-2			
	Locate points of given coordinates on a grid in the first quadrant.	13 SB: 48-2, 48-3			
	Three-Dimensional Figures				

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4.4.4	Identify, describe, and classify two- and three-dimensional figure by relevant properties including the number of vertices, edges, and faces using models.				
	Lines, Angles, and Their Properties				
4.4.6	Identify, draw, label, and describe points, line segments, rays, and angles.				
	Logic				
4.4.9	Use the connectors, and, or, and not to describe the members of a set.				
5.0	DATA ANALYSIS				
	Students will collect, organize, display, interpret, and analyze data to determine statistical relationships and probability projections to solve problems, communicate, reason, and make connections within and beyond the field of mathematics.				
5.4.1	Data Collection and Organization Pose questions that can be used to guide the collection of categorical and numerical data.	68	46		
	<ul style="list-style-type: none"> Organize and represent data using a variety of graphical representations including frequency tables and line plots. 	68-70 SB: 50-4	46, 49 SB: 50-5, 50-6		
	Central Tendency and Data Distribution				
5.4.2	Model and compute range.			68 SB: 50-9	

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<ul style="list-style-type: none"> Model the measures of central tendency for mode and median. 			68 SB: 50-9	
<p>5.4.3 Interpret data and make predictions using frequency tables and line plots.</p>		46, 49 SB: 50-5, 50-6		
<p>5.4.5 Experimental and Theoretical Probability Conduct simple probability experiments using concrete materials.</p> <ul style="list-style-type: none"> Represent the results of simple probability experiments as fractions to make predictions about future events. 				