



Math Teachers Press, Inc.

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NEVADA MATHEMATICS STANDARDS CORRELATED TO MOVING WITH MATH@-MATH FOUNDATIONS LEVEL B (Grade 3)

		B1 <i>Numeration, Addition, & Subtraction</i> Student Book Skill Builders (SB)	B2 <i>Multiplication & Division Basic Facts</i> Student Book Skill Builders (SB)	B3 <i>Multiplication & Division - Problem Solving</i> Student Book Skill Builders (SB)	B4 <i>Fractions, Decimals, Geometry, Measurement</i> Student Book Skill Builders (SR)
1.0	NUMBERS, 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.				
1.3.1	Place Value Identify, use, and model place value positions of 1's, 10's, 100's, and 1,000's.	2-4, 15 SB: 1-1 to 1-4, 6-1			
•	Identify the value of a given digit in the 1's, 10's, 100	17, 18 SB: 6-1, 6-4			
1.3.2	Fractions Identify and model the unit fractions 1/2, 1/3, 1/4, 1/6 and 1/8 as equal parts of a whole or sets of objects. Read and write unit fractions with number words.				
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	Comparing and Ordering				

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1.3.3 Read, write, compare, and order numbers from 0 - 9999.		5, 6, 16, 19 SB: 2-2, 2-4, 4-2, 5-1			
• Read and write number words to 100.		21 SB: 4-2, 5-1			
1.3.4 Model and explain multiplication and division as skip counting patterns.			5, 24 SB: 20-3, 25-3	3, 47, 54 SB: 20-20, 25-21	
• Model and explain multiplication and division as repeated addition or subtraction.			2, 3, 23, 24 SB: 20-1, 20-2, 25-2	2, 46 SB: 20-19, 25-21	
1.3.5 Immediately recall and use addition and subtraction facts.		29, 41 SB: 10-15, 19-4, 19-5			
• Immediately recall multiplication facts (products to 81).			18, 20 SB: 20-8	7, 8, 13 SB: 20-24, 20-30, 20-35	
1.3.6 Estimate the number of objects in a set using various techniques.		7			
1.3.7 Add and subtract two- and three-digit numbers with and without regrouping.		32-37, 46-51 SB: 10-4 to 10-12, 15-7 to 15-12			
• Add and subtract decimals using money as a model.		58 SB: 47-2			

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	Solving Problems and Number Theory				
1.3.8	Generate and solve two-step addition and subtraction problems and one-step multiplication problems based on practical situations.	64, 65 SB: 15-18	19 SB: 20-18	10 SB: 20-27	
•	Model addition, subtraction, multiplication, and division in a variety of ways.	29, 41 SB: 10-3, 10-4, 15-3, 15-5	2-5, 21-24 SB: 20-5, 25-1, 25-14	2, 3, 5, 41-44, 57 SB: 20-22, 21-11, 21-13, 25-19	
•	Use mathematical vocabulary and symbols to describe multiplication and division.	2, 4, 22 SB: 24-2		3, 42, 43 SB: 20-19, 24-3	
2.0	PATTERNS, FUNCTIONS, AND ALGEBRA				
	Students will use various algebraic methods to analyze, illustrate, extend, and create numerous representations (words, numbers, tables, and raps) 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.				
	Patterns				
2.3.1	Recognize, describe, and create patterns using objects and numbers found in tables, number charts, and charts.	8-11 SB: 3-2	43		
•	Record results of patterns created using manipulatives, pictures, and numeric representations and describe how they are extended.	10, 11 SB: 3-2	43	15 SB: 20-31	
	Variables and Unknowns				
2.3.2	Model, explain, and solve open number sentences involving addition, subtraction, and multiplication facts.	29, 38, 41, 52, 53 SB: 14-2, 15-13, 15-14	19, 36 SB: 24-1	10, 40 SB: 20-27	

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	Time				
3.3.6	Tell time to the nearest minute, using analog and digital clocks.				
•	Use elapsed time in half-hour increments, beginning on the hour or half-hour, to determine start, end, and elapsed time.				
•	Recognize that there are 60 minutes in 1 hour.				
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				
4.3.1	Describe, sketch, compare, and contrast plane geometric figures.				
	Congruence, Similarity, and Transformations				
4.3.2	Demonstrate and describe the transformational motions of geometric figures (translation/slide, reflection/flip, and rotation/turn).				

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	Coordinate Geometry and Lines of Symmetry				
4.3.3	Create two-dimensional designs that contain a line of symmetry.				
	Three-Dimensional Figures				
4.3.4	Compare, contrast, sketch, model, and build two- and three-dimensional geometric figures and objects.				
	Lines, Angles, and Their Properties				
4.3.6	Identify, draw, and describe horizontal, vertical, and oblique lines.				
	Logic				
4.3.9	Use the quantifiers, all, some, and none to describe the characteristics 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.				
	Data Collection and Organization				
5.3.1	Pose questions that can be used to guide data collection, organization, and representation.	68 SB: 50-4	46		
•	Use graphical representations, including number lines, frequency tables, and pictographs to represent data.	68-70 SB: 50-1 to 50-4	46, 49, 58 SB: 50-5		
	Experimental and Theoretical Probability				
5.3.5	Use informal concepts of probability (certain, likely, unlikely, impossible) to make predictions about future events.				