

Nevada
Curricular Standards
Mathematics - Grade 2
Correlations with Gourmet Curriculum Press, Inc.®
 1.800.900.2290

<i>Benchmark Number</i>	<i>Benchmark • Instructional Target</i>	<i>Gourmet Resource</i>	<i>Taught</i>	<i>Tested</i>
Numbers, Number Sense, and Computation				
1.0	To solve problems, communicate, reason, and make connections within and beyond the field of mathematics, 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.			
1.2.1	<ul style="list-style-type: none"> Identify and model basic addition facts (sums to 18) and the corresponding subtraction facts; immediately recall basic addition facts (sums through 10) and the corresponding subtraction facts. 	Appetizers 2 A, B, & C; 6 A; 7 A; Main Dish Objectives 2 (Mathematical Relations) Lessons 1, 2, & 3; 6 (Addition) Lesson 1; 7 (Subtraction) Lesson 1; Applications; Final Tests; Reasonableness Problems; Journal Topics		
1.2.2	<ul style="list-style-type: none"> Add and subtract multi-digit numbers without regrouping. 	Appetizers 6 B; 7 B; Main Dish Objectives 6 (Addition) Lesson 2; 7 (Subtraction) Lesson 2; Applications; Final Tests; Reasonableness Problems; Journal Topics		
1.2.3	<ul style="list-style-type: none"> Generate and solve one-step addition and subtraction problems based on practical situations. 	Appetizers 2 A, B, & C; 6 A & B; 7 A & B; 11 A & B; 12 A & B; Main Dish Objectives 2 (Mathematical Relations) Lessons 1, 2, & 3; 6 (Addition) Lessons 1 & 2; 7 (Subtraction) Lessons 1 & 2; 11 (Problem Solving) Lessons 1 & 2; 12 (Mathematical Representation) Lessons 1 & 2; Applications; Final Tests; Reasonableness Problems; Journal Topics		

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1.2.4	• Use decimals to show money amounts.	Appetizers 6 C; 7 C; Main Dish Objectives 6 (Addition) Lesson 3; 7 (Subtraction) Lesson 3; Applications; Final Tests; Reasonableness Problems; Journal Topics		
1.2.5	• Use the patterns in numbers to skip count.	Appetizers 1 C; 2 E; Main Dish Objectives 1 (Number Concepts) Lesson 3; 2 (Mathematical Relations) Lesson 5; Applications; Final Tests; Reasonableness Problems; Journal Topics		
1.2.7	• Estimate the number of objects in a set to 20; read and write number words to 20 and use ordinal positions first to twentieth.	Appetizers 1 A; 10 A; Main Dish Objectives 1 (Number Concepts) Lesson 1; 10 (Estimation) Lesson 1; Applications; Final Tests; Reasonableness Problems; Journal Topics		
1.2.8	• Use, model, and identify place value positions of 1's, 10's, and 100's.	Appetizers 1 B; Main Dish Objective 1 (Number Concepts) Lesson 2; Application; Final Test; Reasonableness Problems; Journal Topics		
1.2.9	• Identify, model, and label $\frac{1}{2}$ and $\frac{1}{4}$ as parts of a whole.	Appetizers 1 E; Main Dish Objective 1 (Number Concepts) Lesson 5; Application; Final Test; Reasonableness Problems; Journal Topics		

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Patterns, Functions, and Algebra				
2.0	To solve problems, communicate, reason, and make connections within and beyond the field of mathematics, students will use the 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.			
2.2.1	<ul style="list-style-type: none"> Recognize, describe, extend, and create repeating and increasing patterns using symbols, objects, and manipulatives; use patterns and their extensions to solve problems. 	Appetizers 2 A, B, C, F, & G; Main Dish Objective 2 (Mathematical Relations) Lessons 1, 2, 3, 6, & 7; Applications; Final Tests; Reasonableness Problems; Journal Topics		
2.2.2	<ul style="list-style-type: none"> Generate and solve problems based on various numerical sentences; represent mathematical situations using numbers, symbols, and words. 	Appetizers 11 B; 12 A & B; Main Dish Objectives 11 (Problem Solving) Lesson 2; 12 (Mathematical Representation) Lessons 1 & 2; Applications; Final Tests; Reasonableness Problems; Journal Topics		
2.2.3	<ul style="list-style-type: none"> Use variables and open sentences to express relationships. 	Appetizers 2 A, B, C, & D; Main Dish Objective 2 (Mathematical Relations) Lessons 1, 2, 3, & 4; Applications; Final Tests; Reasonableness Problems; Journal Topics		
2.2.4	<ul style="list-style-type: none"> Generate and solve problems based on various numerical sentences; represent mathematical situations using numbers, symbols, and words. 	Appetizers 2 A, B, C, & D; 6 A, B, & C; 7 A, B, & C; 11 A & B; 12 A & B; Main Dish Objectives 2 (Mathematical Relations) Lessons 1, 2, 3, & 4; 6 (Addition) Lessons 1, 2, & 3; 7 (Subtraction) Lessons 1, 2, & 3; 11 (Problem Solving) Lessons 1 & 2; 12 (Mathematical Representation) Lessons 1 & 2; Applications; Final Tests; Reasonableness Problems; Journal Topics		

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2.2.7	<ul style="list-style-type: none"> Model, explain, and solve a number sentence involving addition and subtraction. 	Appetizers 2 A, B, C, & D; 11 A; 12 A & B; Main Dish Objectives 2 (Mathematical Relations) Lessons 1, 2, 3, & 4; 11 (Problem Solving) Lesson 1; 12 (Mathematical Representation) Lessons 1 & 2; Applications; Final Tests; Reasonableness Problems; Journal Topics		
Measurement				
3.0	To solve problems, communicate, reason and make connections within and beyond the field of mathematics, students will use appropriate tools and techniques of measurement to determine, estimate, record, and verify direct and indirect measurements.			
3.2.1	<ul style="list-style-type: none"> Compare and order objects by various measurable attributes (e.g., time, temperature, length, weight, capacity, and area) communicating their similarities and differences. 	Appetizers 4 A, B, C, D, & E; Main Dish Objective 4 (Measurement) Lessons 1, 2, 3, 4, & 5; Applications; Final Tests; Reasonableness Problems; Journal Topics		
3.2.2	<ul style="list-style-type: none"> Compare objects to standard whole units to find objects that are greater than, less than, and/or equal to a given unit (e.g., inch, yard, centimeter, meter). 	Appetizers 2 F; 4 A; Main Dish Objectives 2 (Mathematical Relations) Lesson 6; 4 (Measurement) Lesson 1; Applications; Final Tests; Reasonableness Problems; Journal Topics		
3.2.4	<ul style="list-style-type: none"> Determine the value of any given set of coins. 	Appetizers 6 C; 7 C; 10 C; Main Dish Objectives 6 (Addition) Lesson 3; 7 (Subtraction) Lesson 3; 10 (Estimation) Lesson 3; Applications; Final Tests; Reasonableness Problems; Journal Topics		
3.2.6	<ul style="list-style-type: none"> Read time to the nearest quarter hour; distinguish between A.M. and P.M. 	Appetizers 4 C & E; Main Dish Objective 4 (Measurement) Lessons 3 & 5; Applications; Final Tests; Reasonableness Problems; Journal Topics		

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Spatial Relationships and Geometry				
4.0	To solve problems, communicate, and make connections within and beyond the field of mathematics, students will identify, represent, verify, and apply spatial relationships and geometric properties.			
4.2.1	<ul style="list-style-type: none"> Describe and compare two-dimensional shapes (circles, triangles, rectangles including squares) regardless of position. 	Appetizers 3 A & B; Main Dish Objective 3 (Geometry) Lessons 1 & 2; Applications; Final Tests; Reasonableness Problems; Journal Topics		
4.2.2	<ul style="list-style-type: none"> Compare the size (larger and smaller) of similar two-dimensional figures (e.g., circles, triangles); identify congruent shapes. 	Appetizers 3 B & C; Main Dish Objective 3 (Geometry) Lessons 2 & 3; Applications; Final Tests; Reasonableness Problems; Journal Topics		
4.2.3	<ul style="list-style-type: none"> Identify figures with symmetry as they appear in the environment; create two-dimensional designs that contain a line of symmetry. 	Appetizers 3 D; Main Dish Objective 3 (Geometry) Lesson 4; Application; Final Test; Reasonableness Problems; Journal Topics		
4.2.4	<ul style="list-style-type: none"> Identify, name, sort, and describe two- and three-dimensional geometric figures and objects (e.g., circle/sphere, square/cube). 	Appetizers 3 A & B; Main Dish Objective 3 (Geometry) Lessons 1 & 2; Applications; Final Tests; Reasonableness Problems; Journal Topics		
Data Analysis				
5.0	To solve problems, communicate, reason, and make connections within and beyond the field of mathematics, students will collect, organize, display, interpret, and analyze data to determine statistical relationships and probability projections.			
5.2.1	<ul style="list-style-type: none"> Collect, organize, record, and explain classification of data using concrete materials. 	Appetizers 5 A & B; 12 C; Main Dish Objectives 5 (Probability/Statistics) Lessons 1 & 2; 12 (Mathematical Representation) Lesson 3; Applications; Final Tests; Reasonableness Problems; Journal Topics		

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	Problem Solving			
6.0	Students will develop their ability to solve problems by engaging in developmentally appropriate problem solving opportunities in which there is a need to use various approaches to investigate and understand mathematical concepts in order to: formulate their own problems; find solutions to problems from everyday situations; develop and apply strategies to solve a wide variety of problems; and integrate mathematical reasoning, communication and connections.			
6.1	• <i>Select, modify, develop, and apply strategies to solve a variety of mathematical and practical problems and to investigate and understand mathematical concepts.</i>	Appetizers 11 A & B; 12 A & B; Main Dish Objectives 11 (Problem Solving) Lessons 1 & 2; 12 (Mathematical Relations) Lessons 1 & 2; Applications; Final Tests; Reasonableness Problems; Journal Topics		
6.2	• <i>Apply previous experience and knowledge to new problem-solving situations.</i>	All Appetizers; All Main Dish Objectives; Applications; Final Tests; Reasonableness Problems; Journal Topics		
6.3	• <i>Formulate (own) problems; use various approaches to investigate and solve problems.</i>			
6.4	• <i>Explain and verify results with respect to the original problem.</i>	Interactive discussions throughout all Appetizers		
6.6	• <i>Try more than one strategy when the first strategy proves to be unproductive.</i>	Appetizers 11 A; 12 B; Main Dish Objectives 11 (Problem Solving) Lesson 1; 12 (Mathematical Representation) Lesson 2; Applications; Final Tests; Reasonableness Problems; Journal Topics		
6.8	• <i>Apply solutions and strategies from earlier problems to new problem situations.</i>	Appetizers 11 A & B; 12 A; Main Dish Objectives 11 (Problem Solving) Lessons 1 & 2; 12 (Mathematical Relations) Lesson 1; Applications; Final Tests; Reasonableness Problems; Journal Topics		

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6.12	<ul style="list-style-type: none"> Use technology, including calculators, to understand quantitative relationships, e.g., for skip counting and pattern explorations. 	Appetizers 1 C; 2 D; Main Dish Objectives 1 (Number Concepts) Lesson 3; 2 (Mathematical Relations) Lesson 4; Applications; Final Tests; Reasonableness Problems; Journal Topics		
Mathematical Communication				
7.0	<p>Students will develop their ability to communicate mathematically by solving problems in which there is a need to obtain information from the real world through reading, listening, and observing in order to: translate this information into a mathematical language and symbols; process this information mathematically; and present results in written, oral and visual formats.</p>			
7.1	<ul style="list-style-type: none"> Discuss and exchange ideas about mathematics as a part of learning. 	All Appetizers; All Main Dish Objectives; Applications; Final Tests; Reasonableness Problems; Journal Topics		
7.2	<ul style="list-style-type: none"> Use inquiry techniques (e.g., discussion, questioning, research, data gathering) to solve mathematical problems. 	Interactive discussions throughout all Appetizers; Main Dish Objectives 5 (Probability/Statistics) Lesson 2; 13 (Reasonableness) Lessons 1 & 2; Applications; Final Tests; Reasonableness Problems; Journal Topics		
7.4	<ul style="list-style-type: none"> Use pictorial representations to identify mathematical operations and concepts. 	Appetizers 1 A & D; 4 A, B, C, D, & E; 5 B; 6 C; 7 C; 8 A; 9 A; 12 B; Main Dish Objectives 1 (Number Concepts) Lessons 1 & 4; 4 (Measurement) Lessons 1, 2, 3, 4, & 5; 5 (Probability/Statistics) Lesson 2; 6 (Addition) Lesson 3; 7 (Subtraction) Lesson 3; 8 (Multiplication) Lesson 1; 9 (Division) Lesson 1; 12 (Mathematical Representation) Lesson 2; Applications; Final Tests; Reasonableness Problems; Journal Topics		

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7.7	<ul style="list-style-type: none"> Use physical materials, models, pictures, or writing to represent and communicate mathematical ideas. 	Appetizers 1 A, D, & E; 4 A, B, C, D, & E; 5 B & C; 6 C; 7 C; 8 A; 9 A; 10 A; 12 B; Main Dish Objectives 1 (Number Concepts) Lessons 1, 4, & 5; 4 (Measurement) Lessons 1, 2, 3, 4, & 5; 5 (Probability/Statistics) Lessons 2 & 3; 6 (Addition) Lesson 3; 7 (Subtraction) Lesson 3; 8 (Multiplication) Lesson 1; 9 (Division) Lesson 1; 10 (Estimation) Lesson 1; 12 (Mathematical Representation) Lesson 2; Applications; Final Tests; Reasonableness Problems; Journal Topics		
7.12	<ul style="list-style-type: none"> Explain and justify thinking about mathematical ideas and solutions. 	Interactive discussions throughout all Appetizers		
7.15	<ul style="list-style-type: none"> Use everyday language to explain thinking about strategies and solutions to mathematical problems. 	Interactive discussions throughout all Appetizers; Main Dish Objectives - Journal Topics		
7.16	<ul style="list-style-type: none"> Express mathematical ideas and use them to define, compare, and solve problems orally and in writing. 	Interactive discussions throughout all Appetizers; Main Dish Objectives - Journal Topics		
7.17	<ul style="list-style-type: none"> Use mathematical notation to communicate and explain mathematical situations. 	Interactive discussions throughout all Appetizers; Main Dish Objectives - Journal Topics		

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	Mathematical Reasoning			
8.0	Students will develop their ability to reason mathematically by solving problems in which there is a need to investigate significant mathematical ideas and construct their own learning in all content areas in order to justify their thinking; reinforce and extend their logical reasoning abilities; reflect on and clarify their own thinking; and ask questions to extend their thinking.			
8.1	<ul style="list-style-type: none"> <i>Justify and explain the solutions to problems using manipulatives and physical models.</i> 	Appetizers 2 A, B, C, D, E, & F; 5 A & C; 6 C; 7 C; 8 A; 9 A; 10 B; 12 B & C; Main Dish Objectives 2 (Mathematical Relations) Lessons 1, 2, 3, 4, 5, & 6; 5 (Probability/Statistics) Lessons 1 & 3; 6 (Addition) Lesson 3; 7 (Subtraction) Lesson 3; 8 (Multiplication) Lesson 1; 9 (Division) Lesson 1; 10 (Estimation) Lesson 2; 12 (Mathematical Representation) Lessons 2 & 3; Applications; Final Tests; Reasonableness Problems; Journal Topics		
8.4	<ul style="list-style-type: none"> <i>Use patterns and relationships to analyze mathematical situations; draw logical conclusions about mathematical problems.</i> 	Appetizers 2 A, B, C, D, E, F, & G; Main Dish Objective 2 (Mathematical Relations) Lessons 1, 2, 3, 4, 5, 6, & 7; Applications; Final Tests; Reasonableness Problems; Journal Topics		
8.8	<ul style="list-style-type: none"> <i>Ask questions to reflect on, clarify, and extend thinking.</i> 	Interactive discussions throughout all Appetizers; Main Dish Objective 13 (Reasonableness); Applications; Final Tests; Reasonableness Problems; Journal Topics		

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8.9	<ul style="list-style-type: none"> Review and refine the assumptions and steps used to derive conclusions in mathematical arguments. 	Interactive discussions throughout all Appetizers; Main Dish Objective 13 (Reasonableness); Applications; Final Tests; Reasonableness Problems; Journal Topics		
8.11	<ul style="list-style-type: none"> Determine relevant, irrelevant, and/or sufficient information to solve mathematical problems. 	Appetizers 11 A & B; 12 A & B; Main Dish Objectives 11 (Problem Solving) Lessons 1 & 2; 12 (Mathematical Representation) Lessons 1 & 2; Applications; Final Tests; Reasonableness Problems; Journal Topics		
Mathematical Connections				
9.0	<p>Students will develop their ability to make mathematical connections by solving problems in which there is a need to view mathematics as an integrated whole, identifying relationships between context standards strands, and integrating mathematics with other disciplines, allowing the flexibility to approach problems in a variety of ways within and beyond the field of mathematics.</p>			
9.1	<ul style="list-style-type: none"> Link new concepts to prior knowledge. 	All Appetizers; All Main Dish Objectives; Applications; Final Tests; Reasonableness Problems; Journal Topics		
9.2	<ul style="list-style-type: none"> Use mathematical ideas from one area of mathematics to explain an idea from another area of mathematics. 	All Main Dish Objectives - Journal Topics		
9.5	<ul style="list-style-type: none"> Identify practical applications of mathematical principles that can be applied to other disciplines. 	Appetizers 2 F & G; 10 B; 13 A; Main Dish Objectives 2 (Mathematical Relations) Lessons 6 & 7; 10 (Estimation) Lesson 2; 13 (Reasonableness) Lesson 1; Applications; Final Tests; Reasonableness Problems; Journal Topics		

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9.7	<ul style="list-style-type: none"> Apply mathematical thinking and modeling to solve problems that arise in other disciplines (e.g., rhythm in music and motion in science). 	Appetizers 2 E, F, & G; Main Dish Objective 2 (Mathematical Relations) Lessons 5, 6, & 7; Applications; Final Tests; Reasonableness Problems; Journal Topics		
9.8	<ul style="list-style-type: none"> Identify, explain, and use mathematics in everyday life. 	Appetizers 2 F & G; 10 B; 13; Main Dish Objectives 2 (Mathematical Relations) Lessons 6 & 7; 10 (Estimation) Lesson 2; 13 (Reasonableness); Applications; Final Tests; Reasonableness Problems; Journal Topics		