

Nevada
Curricular Standards
Mathematics - Grade 3
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.			
1.3.1	<ul style="list-style-type: none"> <i>Immediately recall and use addition, subtraction, and multiplication facts to 81.</i> 	Appetizers 6 A; 7 A; 8 A; Main Dish Objectives 6 (Addition) Lesson 1; 7 (Subtraction) Lesson 1; 8 (Multiplication) Lesson 1; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
1.3.2	<ul style="list-style-type: none"> <i>Add and subtract multi-digit numbers with regrouping.</i> 	Appetizers 6 A, B, & C; 7 A; Main Dish Objectives 6 (Addition) Lessons 1, 2, & 3; 7 (Subtraction) Lesson 1; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
1.3.3	<ul style="list-style-type: none"> <i>Generate and solve 2-step addition and subtraction and 1-step multiplication problems based on practical situations using pencil and paper, mental computation, and estimation.</i> 	Appetizers 8 B; 11 D; Main Dish Objectives 8 (Multiplication) Lesson 2; 11 (Problem Solving) Lesson 4; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		

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1.3.4	• <i>Add and subtract decimals using money as a model.</i>	Appetizers 6 B; 7 B; Main Dish Objectives 6 (Addition) Lesson 2; 7 (Subtraction) Lesson 2; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
1.3.5	• <i>Model and explain multiplication, including as repeated addition.</i>	Appetizers 8 A; Main Dish Objective 8 (Multiplication) Lesson 1; Application; Final Test; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
1.3.6	• <i>Read, write, order, and compare numbers from 0-999; read and write number words.</i>	Appetizers 1 A, B, & E; Main Dish Objective 1 (Number Concepts) Lessons 1, 2, & 5; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
1.3.7	• <i>Round to nearest tens and hundreds to determine reasonableness of the answer; read and write number words.</i>	Appetizers 10 B & D; 13 B; Main Dish Objectives 10 (Estimation) Lessons 2 & 4; 13 (Reasonableness) Lesson 2; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
1.3.8	• <i>Use, model, and identify place value positions up to 10,000.</i>	Appetizers 1 B; Main Dish Objective 1 (Number Concepts) Lesson 2; Application; Final Test; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
1.3.9	• <i>Model, sketch, and label fractions with denominators to 10; write fractions with numerals and with numbers and words.</i>	Appetizers 1 D; Main Dish Objective 1 (Number Concepts) Lesson 4; Application; Final Test; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		

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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.			
2.3.1	<ul style="list-style-type: none"> Recognize, describe, and create patterns using numbers; use number patterns and their extensions to solve problems. 	Appetizers 1 C; 2 C; Main Dish Objectives 1 (Number Concepts) Lesson 3; 2 (Mathematical Relations) Lesson 3; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
2.3.3	<ul style="list-style-type: none"> Identify missing terms and missing numbers in open number sentences involving number facts in addition and subtraction. 	Appetizers 1 C; 2 A & B; Main Dish Objectives 1 (Number Concepts) Lesson 3; 2 (Mathematical Relations) Lessons 1 & 2; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
2.3.4	<ul style="list-style-type: none"> Complete number sentences with the appropriate words and symbols for addition, subtraction, less than, greater than, and equal to (+, -, <, >, =). 	Appetizers 1 A; Main Dish Objective 1 (Number Concepts) Lesson 1; Application; Final Test; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
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.			
3.3.2	<ul style="list-style-type: none"> Select and use appropriate units of measurement; measure to a required degree of accuracy and record results. 	Appetizers 4 A, B, C, D, E, & F; Main Dish Objective 4 (Measurement) Lessons 1, 2, 3, 4, 5, & 6; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		

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3.3.3	• Estimate and use measuring devices with standard and non-standard units to measure length, surface area, liquid volume, capacity, temperature, and weight, communicating the concepts of more, less, and equivalent.	Appetizers 4 B, C, D, & F; Main Dish Objective 4 (Measurement) Lessons 2, 3, 4, & 6; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
3.3.4	• Read, write, and use money notation determining possible combinations of coins and bills to equal given amounts.	Appetizers 1 F; 6 B; 7 B; 9 C; Main Dish Objectives 1 (Number Concepts) Lesson 6; 6 (Addition) Lesson 2; 7 (Subtraction) Lesson 2; 9 (Division) Lesson 3; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
3.3.6	• Tell time to the nearest minute, using analog and digital clocks, and identify elapsed time.	Appetizers 4 A; Main Dish Objective 4 (Measurement) Lesson 1; Application; Final Test; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
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.			
4.3.1	• Describe, sketch, compare, and contrast plane geometric figures.	Appetizers 3 A & B; Main Dish Objective 3 (Geometry) Lessons 1 & 2; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
4.3.2	• Demonstrate and describe the motion (transformation) of geometric figures as a slide, rotation, or a flip.	Appetizers 3 D; Main Dish Objective 3 (Geometry) Lesson 4; Application; Final Test; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		

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4.3.4	<ul style="list-style-type: none"> • <i>Compare, contrast, sketch, model, and build two- and three-dimensional geometric figures and objects.</i> 	Appetizers 3 A & B; Main Dish Objective 3 (Geometry) Lessons 1 & 2 - Center Activities; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
	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.			
5.3.1	<ul style="list-style-type: none"> • <i>Collect, organize, display, and describe simple data using number lines, pictographs, bar graphs, and frequency tables.</i> 	Appetizers 5 A; 12 C; Main Dish Objectives 5 (Probability/Statistics) Lesson 1; 12 (Mathematical Representation) Lesson 3; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
5.3.2	<ul style="list-style-type: none"> • <i>Use concepts of probability (e.g., impossible, likely, certain) to make predictions about future events.</i> 	Appetizers 5 B; Main Dish Objective 5 (Probability/Statistics) Extension Activity; Application; Final Test; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		

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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	<ul style="list-style-type: none"> • <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; Doggie Bags CD-Rom		
6.2	<ul style="list-style-type: none"> • <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; Doggie Bags CD-Rom		
6.4	<ul style="list-style-type: none"> • <i>Explain and verify results with respect to the original problem.</i> 	Interactive discussions throughout all Appetizers		
6.6	<ul style="list-style-type: none"> • <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; Doggie Bags CD-Rom		
6.8	<ul style="list-style-type: none"> • <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; Doggie Bags CD-Rom		

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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 C; Main Dish Objectives 1 (Number Concepts) Lesson 3; 2 (Mathematical Relations) Lesson 3; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
Mathematical Communication				
7.0	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.			
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; Doggie Bags CD-Rom		
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; Doggie Bags CD-Rom		
7.5	<ul style="list-style-type: none"> Identify and translate key words and phrases that imply mathematical operations. 	Appetizers 11 A; 12 A & B; Main Dish Objectives 11 (Problem Solving) Lesson 1; 12 (Mathematical Relations) Lessons 1 & 2; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		

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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 D & G; 7 B; 8 A; 9 A; 12 B; Main Dish Objectives 1 (Number Concepts) Lessons 4 & 7; 7 (Subtraction) Lesson 2; 8 (Multiplication) Lesson 1; 9 (Division) Lesson 1; 12 (Mathematical Representation) Lesson 2; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
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 1 G; 8 A; 9 A & B; 12 B; Main Dish Objectives 1 (Number Concepts) Lesson 7; 8 (Multiplication) Lesson 1; 9 (Division) Lessons 1 & 2; 12 (Mathematical Representation) Lesson 2; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
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; Doggie Bags CD-Rom		
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; Doggie Bags CD-Rom		
8.9	<ul style="list-style-type: none"> <i>Review and refine the assumptions and steps used to derive conclusions in mathematical arguments.</i> 	Interactive discussions throughout all Appetizers; Main Dish Objective 13 (Reasonableness); Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		

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8.11	• <i>Determine relevant, irrelevant, and/or sufficient information to solve mathematical problems.</i>	Appetizers 11 B & C; Main Dish Objective 11 (Problem Solving) Lessons 2 & 3; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
Mathematical Connections				
9.0	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.			
9.1	• <i>Link new concepts to prior knowledge.</i>	All Appetizers; All Main Dish Objectives; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
9.2	• <i>Use mathematical ideas from one area of mathematics to explain an idea from another area of mathematics.</i>	All Main Dish Objectives - Journal Topics		
9.5	• <i>Identify practical applications of mathematical principles that can be applied to other disciplines.</i>	Appetizers 10 A; 13 A & B; Main Dish Objectives 10 (Estimation) Lesson 1; 13 (Reasonableness) Lessons 1 & 2; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
9.7	• <i>Apply mathematical thinking and modeling to solve problems that arise in other disciplines (e.g., rhythm in music and motion in science).</i>	Appetizers 13 B; Main Dish Objective 13 (Reasonableness) Lesson 2; Application; Final Test; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		
9.8	• <i>Identify, explain, and use mathematics in everyday life.</i>	Appetizers 13 A & B; Main Dish Objective 13 (Reasonableness) Lessons 1 & 2; Applications; Final Tests; Reasonableness Problems; Journal Topics; Doggie Bags CD-Rom		