

**North Carolina
Curricular Standards
Mathematics - Grade 3
Correlations with Gourmet Curriculum Press, Inc.®
1.800.900.2290**

Number Sense, Numeration, and Numerical Operations				
Benchmark Number	Benchmark • Teaching Targets	Gourmet Resource	Tested	Taught
	Goal 1: The learner will identify and compute with numbers less than 10,000.			
1.1	<i>Read and write word names for numbers to 1,000.</i>	Appetizers 1 B & E; Main Dish Objective 1 (Number Concepts) Lessons 2 and 5; Doggie Bag CD Rom		
1.2	<i>Relate standard and expanded notation to 3- and 4-digit numbers.</i>	Appetizers 1 B & E; Main Dish Objective 1 (Number Concepts) Lessons 2 & 5; Doggie Bag CD Rom		
1.3	<i>Compare and order numbers less than 10,000.</i>	Appetizers 1 A; Main Dish Objective 1 (Number Concepts) Lesson 1; Doggie Bag CD Rom		
1.4	<i>Use estimation techniques in determining solutions to problems.</i>	Appetizers 10 A, B, C, & D; Main Dish Objective 10 (Estimation) Lessons 1, 2, 3, & 4; Doggie Bag CD Rom		
1.5	<i>Identify odd and even numbers; generalize ways to determine odd or even.</i>	Appetizers 1 C; Main Dish Objective 1 (Number Concepts) Lesson 3		
1.6	<i>Model fractions and mixed numbers using regions and sets; describe relationships of parts to whole; record.</i>	Appetizers 1 D; Main Dish Objective 1 (Number Concepts) Lesson 4		
1.7	<i>Compare and order fractions using models; describe comparisons.</i>	Appetizers 1 D; Main Dish Objective 1 (Number Concepts) Lesson 4; Doggie Bag CD Rom		
1.8	<i>Model fractions and mixed numbers using regions and sets; describe relationships of parts to a whole; record.</i>	Appetizers 1 D; Main Dish Objective 1 (Number Concepts) Lesson 4		

Number Sense, Numeration, and Numerical Operations

Benchmark Number	Benchmark • Teaching Targets	Gourmet Resource	Tested	Taught
1.9	Subtract 2- and 3-digit numbers.	Appetizers 7 A; 11 A Main Dish Objective 7 (Subtraction) Lesson 1; 11 (Problem Solving) Lesson 1; Doggie Bag CD Rom		
1.10	Model and explain multiplication in a variety of ways including repeated addition and multiplication.	Appetizers 1 C; 8 A; Main Dish Objectives 1 (Number Concepts) Lesson 3; 8 (Multiplication) Lesson 1; Doggie Bag CD Rom		
1.11	Model and use the identity and commutative properties for addition and multiplication.	Appetizers 2 A; 8 A; Main Dish Objectives 2 (Mathematical Relations) Lesson 1; 8 (Multiplication) Lesson 1		
1.12	Model and explain division in a variety of ways including sharing equally, repeated subtraction, rectangular arrays, and its relationship to multiplication.	Appetizers 9 A; Main Dish Objective 9 (Division) Lesson 1; Doggie Bag CD Rom		
1.13	Memorize multiplication facts/tables through 10.	Appetizers 8; Main Dish Objective 8 (Multiplication); Doggie Bag CD Rom		
1.14	Determine if there is sufficient information to solve a problem; identify missing or extraneous data in problem-solving situations.	Appetizers 11 A, B & C; Main Dish Objective 11 (Problem Solving) Lessons 1, 2 & 3		
1.15	Solve meaningful, multi-step problems involving addition, subtraction and multiplication using a variety of strategies; use calculators as appropriate.	Appetizers 6; 7; 8; 11; 12; 13; Main Dish Objectives 6 (Addition); 7 (Subtraction); 8 (Multiplication); 11 (Problem Solving) Lesson 4; 12 (Mathematical Representation); 13 (Reasonableness); Doggie Bag CD Rom		

Spatial Sense, Measurement, and Geometry

<i>Benchmark Number</i>	<i>Benchmark</i> • <i>Teaching Targets</i>	<i>Gourmet Resource</i>	<i>Tested</i>	<i>Taught</i>
	<i>Goal 2: The learner will recognize, understand, and use basic geometric properties, and standard units of metric and customary measurement.</i>			
2.1	<i>Draw and classify polygons and polyhedra (solid figures) using appropriate vocabulary: faces, angles, edges, and vertices. Describe the rules for grouping.</i>	Appetizers 3 A; Main Dish Objective 3 (Geometry) Lesson 1		
2.2	<i>Identify and model symmetry and congruence with concrete materials and drawings.</i>	Appetizers 3 C; Main Dish Objective 3 (Geometry) Lesson 2; Doggie Bag CD Rom		
2.3	<i>Construct with cubes a solid to match a given picture or model.</i>	Main Dish Objective 3 (Geometry) Lesson 1		
2.4	<i>Recognize a three-dimensional object from different perspectives.</i>	Appetizers 3 A, B, & C; Main Dish Objective 3 (Geometry) Lessons 1, 2, & 3; Doggie Bag CD Rom		
2.5	<i>Observe and describe geometry in the environment.</i>	Appetizers 3 A, B, & C; Main Dish Objective 3 (Geometry) Lessons 1, 2, & 3		
2.6	<i>Estimate and measure length (inches, feet, yards, centimeters, meters), weight (grams, ounces, pounds), and capacity (cups, pints, quarts, gallons, liters) using appropriate tools and units.</i>	Appetizers 4 B, & D; Main Dish Objective 3 (Geometry) Lessons 2, & 4; Doggie Bag CD Rom		
2.7	<i>Model and compare units within the same measurement system.</i>	Appetizers 4 A, B, C & D; Main Dish Objective 4 (Measurement) Lessons 1, 2, 3, & 4		
2.8	<i>Model the concepts of area and perimeter using concrete materials, non-standard, and standard units. Estimate, record, and explain results.</i>	Appetizers 4 E, & F; Main Dish Objective 4 (Measurement) Lessons 5 & 6		

Spatial Sense, Measurement, and Geometry

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2.9	<i>Determine the value of sets of coins to \$5.00 and create equivalent amounts with different coins.</i>	Appetizers 1 F; Main Dish Objective 1 (Number Concepts) Lesson 6; Doggie Bag CD Rom		
2.10	<i>Estimate and compute the cost of items up to \$5.00; make change up to \$5.00.</i>	Appetizers 1 F; 6 B; 7 B; Main Dish Objectives 1 (Number Concepts) Lesson 6; 6 (Addition) Lesson 2; 7 (Subtraction) Lesson 2; Doggie Bag CD Rom		
2.11	<i>Tell time to the nearest minute with digital and analog clocks; record. Solve problems related to time.</i>	Appetizers 4 A; Main Dish Objective 4 (Measurement) Lesson 1; Doggie Bag CD Rom		
2.12	<i>Read Celsius and Fahrenheit thermometers; relate temperatures to everyday situations.</i>	Appetizers 4 C; Main Dish Objective 4 (Measurement) Lesson 3; Doggie Bag CD Rom		
2.13	<i>Solve problems using measurement concepts and procedures. Explain the solutions.</i>	Appetizers 4 A, B, C, D, E, & F; Main Dish Objective 4 (Measurement) Lessons 1, 2, 3, 4, 5, & 6		

Patterns, Relationships, and Functions

Benchmark Number	Benchmark • Teaching Targets	Gourmet Resource	Tested	Taught
	Goal 3: The learner will demonstrate an understanding of classification, patterning, and serialization.			
3.1	<i>Organize objects or ideas into groups; describe attributes of groups and rules for sorting.</i>	Appetizers 2 D; Main Dish Objective 2 (Mathematical Relations) Lesson 4; Doggie Bag CD Rom		
3.2	<i>Describe and demonstrate patterns in skip counting and multiplication; continue sequences beyond memorized or modeled numbers.</i>	Appetizers 1 C; 2 B; 8 A; Main Dish Objectives 1 (Number Concepts) Lesson 3; 2 (Mathematical Relations) Lesson 2; 8 (Multiplication) Lesson 1; Doggie Bag CD Rom		
3.3	<i>Extend and create geometric and numeric sequences; describe patterns in a variety of ways; use calculators and computers where appropriate.</i>	Appetizers 1 C; 2 B; Main Dish Objectives 1 (Number Concepts) Lesson 3; 2 (Mathematical Relations) Lesson 2; Doggie Bag CD Rom		
3.4	<i>Analyze patterns; describe properties and translate into different forms. Create and record similar patterns.</i>	Appetizers 1 C; 2 B; 13 C; Main Dish Objectives 1 (Number Concepts) Lesson 3; 2 (Mathematical Relations) Lesson 2; 13 (Reasonableness) Lesson 3		
3.5	<i>Use patterns to make predictions and solve problems.</i>	Appetizers 1 C; 2 B & D; 8 A; 13 C & D; Main Dish Objectives 1 (Number Concepts) Lesson 3; 2 (Mathematical Relations) Lessons 2 & 4; 8 (Multiplication) Lesson 1; 13 (Reasonableness) Lessons 3 & 4		
3.6	<i>Use Venn diagrams as a problem-solving strategy to illustrate similarities and differences in sets.</i>	Appetizers 2 D; Main Dish Objective 2 (Mathematical Relations) Lesson 4;		

Data, Probability, and Statistics

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Goal 4: The learner will demonstrate an understanding of data collection, display, and interpretation				
4.1	<i>Gather and organize data from surveys and classroom experiments, including data collected over a period of time.</i>	Appetizers 5 A; 12 C; Main Dish Objectives 5 (Probability/Statistics) Lesson 1; 12 (Mathematical Representation) Lesson 3		
4.2	<i>Display data on charts and graphs: picture, bar and line plots; describe data using mode.</i>	Appetizers 5 A; 12 C; Main Dish Objectives 5 (Probability/Statistics) Lesson 1; 12 (Mathematical Representation) Lesson 3		
4.3	<i>Construct graphs where symbols or scales represent multiple units.</i>	Appetizers 5 A; 12 C; Main Dish Objectives 5 (Probability/Statistics) Lesson 1; 12 (Mathematical Representation) Lesson 3		
4.4	<i>Read and interpret graphs and charts (bar, picture, circle, line, and line plots) as sources of information; identify main idea, draw conclusions and make predictions.</i>	Appetizers 5 A; 12 C; Main Dish Objectives 5 (Probability/Statistics) Lesson 1; 12 (Mathematical Representation) Lesson 3		
4.5	<i>Name the ordered pair for a point on the grid; plot positions named by ordered pairs on a coordinate grid.</i>			
4.6	<i>Construct and use time lines to display sequences of events.</i>			
4.7	<i>Describe the probability of chance events as more, less, or equally likely to occur.</i>	Appetizers 5 B; Main Dish Objectives 5 (Probability/Statistics) Extension Lesson; Doggie Bag CD Rom		
4.8	<i>List arrangements (permutations) and combinations of up to three times.</i>	Appetizers 13 D; Main Dish Objective 13 (Reasonableness) Lesson 4		