

Louisiana
North Louisiana Education Consortium (NLEC) Standards
Mathematics - Grade 3
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| Number Relations | | | | |
|-------------------------|--|---|---------------|---------------|
| Benchmark Number | Benchmark • Teaching Targets | Gourmet Resource | Tested | Taught |
| 1.1 MA | <i>Recognizes and writes number symbols 101 to 10,000 through practical application.</i> | Appetizers 1 E; Main Dish Objective 1 (Number Concepts) Lesson 5; Doggie Bags | | |
| 1.2 O | <i>Recognizes and writes number symbols 1001 to 10,000 through practical application.</i> | Appetizers 1 E; Main Dish Objective 1 (Number Concepts) Lesson 5; Doggie Bags | | |
| 1.3 O | <i>Reads and writes number words up to 9,999.</i> | Appetizers 1 E; Main Dish Objective 1 (Number Concepts) Lesson 5; Doggie Bags | | |
| 1.4 O | <i>Determine a number that is one more or one less than a given number (100-999).</i> | Appetizers 1 B; Main Dish Objective 1 (Number Concepts) Lesson 2 | | |
| 1.5 MA | <i>Determine a number that is one more or one less than a given number (999-9,999).</i> | Appetizers 1 B; Main Dish Objective 1 (Number Concepts) Lesson 2 | | |
| 1.6 MA | <i>Compare two whole numbers between 100 and 999 using "greater than" and "less than" and the appropriate symbols. (>, <, =)</i> | Appetizers 1 A; Main Dish Objective 1 (Number Concepts) Lesson 1 | | |
| 1.7 O | <i>Compare two whole numbers between 999-10,000 using "greater than" and "less than" and the appropriate symbols. (>, <, =)</i> | Appetizers 1 A; Main Dish Objective 1 (Number Concepts) Lesson 1; Doggie Bags CD-Rom | | |
| 1.8 MA | <i>Model and identify place value of ones, tens, and hundreds place.</i> | Appetizers 1 B; Main Dish Objective 1 (Number Concepts) Lesson 2 | | |

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| <p>*I = Introduce O = Ongoing MA = Mastery</p> |
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Number Relations

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|-------------------------|--|---|---------------|---------------|
| 1.9 I | <i>Model and identify place value of ones, tens, hundreds, thousands, and ten thousands.</i> | Appetizers 1 B; Main Dish Objective 1 (Number Concepts) Lesson 2 | | |
| 1.10 MA | <i>Identifies the parts of an addition problem: addend + addend = sum.</i> | Main Dish Objective 6 (Addition) All Lessons | | |
| 1.11 MA | <i>Apply the associative property for addition $(3 + 7) + 1 = 3 + (7 + 1)$.</i> | Appetizers 2 A; Main Dish Objective 2 (Mathematical Relations) Lesson 1 | | |
| 1.12 MA | <i>Understands the concept of zero as the “identity element” in addition.</i> | | | |
| 1.13 MA | <i>Adds a two- or three-digit number to a two- or three-digit number (with regrouping).</i> | Appetizers 6 B; Main Dish Objective 6 (Addition) Lesson 2; Doggie Bags | | |
| 1.14 O | <i>Adds a two-, three-, or four-digit number to a two-, three-, or four-digit number (with regrouping).</i> | Appetizers 6 C & D; Main Dish Objective 6 (Addition) Lessons 3 & 4 | | |
| 1.15 MA | <i>Subtract a two- or three-digit number from a three-digit number (regrouping).</i> | Appetizers 7 A; Main Dish Objective 7 (Subtraction) Lesson 1; Doggie Bags | | |
| 1.16 O | <i>Subtracts a number of four-digits or less from a four-digit number, with or without regrouping.</i> | Appetizers 7 A; Main Dish Objective 7 (Subtraction) Lesson 1 | | |
| 1.17 MA | <i>Subtracts two numbers with a zero in the minuend.</i> | Appetizers 7 A; Main Dish Objective 7 (Subtraction) Lesson 1; Doggie Bags | | |
| 1.18 MA | <i>Checks subtraction by addition.</i> | | | |
| 1.19 O | <i>Solves appropriate critical thinking problem involving whole numbers, using the problem solving <u>process</u> and hands-on strategies.</i> | All Practices, Applications, Final Tests, Reasonableness Problems; Doggie Bags | | |

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|-------------------------|--|---|---------------|---------------|
| 1.20 O | Round to the nearest tens and hundreds place. | Appetizers 10 B & D; Main Dish Objective 10 (Estimation) Lesson 2 & 4; Doggie Bags | | |
| 1.21 O | Identifies as a fractional part ($\frac{1}{2}$, $\frac{1}{6}$, $\frac{1}{8}$, $\frac{1}{10}$) of a given set or figure and writes or identifies the <u>symbol</u> . | Appetizers 1 D; Main Dish Objective 1 (Number Concepts) Lesson 4; Doggie Bags | | |
| 1.22 O | Identifies and writes fractional numbers from pictorial representation. (numerators greater than 1). | Appetizers 1 D; Main Dish Objective 1 (Number Concepts) Lesson 4; Doggie Bags | | |
| 1.23 MA | Identifies parts of a fraction: numerator and denominator. | Appetizers 1 D; Main Dish Objective 1 (Number Concepts) Lesson 4; Doggie Bags | | |
| 1.24 I | Identify fractions which are equal to one. ($\frac{3}{3} = 1$) | | | |
| 1.25 O | Solves appropriate critical thinking problems involving fractions, using the problem solving process and strategies. | Practices #4, Application #4, Final Tests, Reasonableness Problems | | |
| 1.26 MA | Identify, read, and write decimals through hundredths. | Appetizers 1 G; Main Dish Objective 1 (Number Concepts) Lesson 7 | | |
| 1.27 O | Compare and order decimals through hundredths. | | | |
| 1.28 O | Practicing estimation skills and exact answer skills using mental, paper and pencil, and calculator techniques. | Appetizers 10 A through F; Main Dish Objective 10 (Estimation) Lessons 1 through 6 | | |
| 1.29 MA | Identify the parts of a multiplication problem (factor \times factor = product) and correctly uses the multiplication symbol \times or \bullet . | Appetizers 8 A & B; Main Dish Objective 8 (Multiplication) Lessons 1 & 2; Doggie Bags | | |
| 1.30 MA | Multiplies basic facts through 9 by memory (realizing multiplication is repeated addition). | Appetizers 8 A & B; Main Dish Objective 8 (Multiplication) Lessons 1 & 2; Doggie Bags | | |

Number Relations

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|-------------------------|---|--|---------------|---------------|
| 1.31 MA | Multiplies a two-digit number by a one-digit number using concrete objects (no regrouping). | | | |
| 1.32 O | Multiplies a two- or three-digit number by a one-digit number with and without regrouping. | | | |
| 1.33 MA | Identifies the parts of a division problem (dividend, divisor, quotient, remainder) and correctly use the division symbol (\div). | Appetizers 9 A; Main Dish Objective 9 (Division) Lesson 1 | | |
| 1.34 MA | Divide a one-, two-, or three-digit number by a one-digit number using concrete objects (no remainder). | Appetizers 9 A; Main Dish Objective 9 (Division) Lesson 1; Doggie Bags | | |
| 1.35 MA | Divide a one- or two-digit number by a divisor of 5 or more (dividend 25 or less, no remainder). | | | |
| 1.36 O | Divide a one-, two-, or three-digit number by a one-digit number (with or without remainder). | | | |

Algebra

| Benchmark Number | Benchmark • Teaching Targets | Gourmet Resource | Tested | Taught |
|-------------------------|---|---|---------------|---------------|
| 1.11 MA | Apply the associative property for addition $(3 + 7) + 1 = 3 + (7 + 1)$. | Appetizers 2 A; Main Dish Objective 2 (Mathematical Relations) Lesson 1 | | |
| 1.12 MA | Understands the concept of zero as the "identity element" in addition. | | | |
| 2.1 O | Understands operations of multiplication and division. | Appetizers 8; 9; Main Dish Objectives 8 (Multiplication); 9 (Division); Doggie Bags | | |
| 2.2 O | Determines the value of a variable in an equation $(+, -, \times, \div, r)$. | Appetizers 2 A; Main Dish Objective 2 (Mathematical Relations) Lesson 1 | | |

Measurement

| Benchmark Number | Benchmark • Teaching Targets | Gourmet Resource | Tested | Taught |
|-------------------------|--|---|---------------|---------------|
| 3.1 MA | <i>Identifies and recognizes the monetary value of the penny, nickel, dime, quarter, half-dollar, and dollar.</i> | Appetizers 1 F; Main Dish Objective 1 (Number Concepts) Lesson 6; Doggie Bags | | |
| 3.2 MA | <i>Count up to \$1.00 using different combinations of coins.</i> | Appetizers 1 F; Main Dish Objective 1 (Number Concepts) Lesson 6; Doggie Bags | | |
| 3.3 MA | <i>Given pictures or real coins and 1 or more bills, write the value of money including appropriate symbols.</i> | Appetizers 1 F; Main Dish Objective 1 (Number Concepts) Lesson 6; Doggie Bags | | |
| 3.4 I | <i>Given money words, writes numerical expressions.</i> | Appetizers 7 B; 9 C; Main Dish Objectives 7 (Subtraction) Lesson 2; 9 (Division) Lesson 3; Doggie Bags | | |
| 3.5 I | <i>Converts a given value of dollars and cents to an equivalent number of given coins (1.10 = 11 dimes).</i> | Appetizers 1 F; Main Dish Objective 1 (Number Concepts) Lesson 6 | | |
| 3.6 MA | <i>Uses the calendar to determine the day of the week, the month, and the year.</i> | Appetizers 4 A; Main Dish Objective 4 (Measurement) Lesson 1 | | |
| 3.7 O | <i>Reads and interprets data from a calendar.</i> | Appetizers 4 A; Main Dish Objective 4 (Measurement) Lesson 1 | | |
| 3.8 O | <i>Identifies the second, minute, and hour as unit measures of time.</i> | Appetizers 4 A; Main Dish Objective 4 (Measurement) Lesson 1; Doggie Bags | | |
| 3.9 | <i>Tells time the the nearest five minutes and to the nearest minute using standard and digital clocks. State time in multiple ways. (e.g., 9:45, 15 minutes till 10).</i> | Appetizers 4 A; Main Dish Objective 4 (Measurement) Lesson 1; Doggie Bags | | |
| 3.10 O | <i>Tells elapsed time to hour and half hour.</i> | Appetizers 4 A; Main Dish Objective 4 (Measurement) Lesson 1; Doggie Bags | | |

Measurement

| Benchmark Number | Benchmark • Teaching Targets | Gourmet Resource | Tested | Taught |
|-------------------------|--|--|---------------|---------------|
| 3.11 O | Relate time concepts to real-life situations. | Appetizers 4 A; Main Dish Objective 4 (Measurement) Lesson 1; Doggie Bags | | |
| 3.12 I | Identifies the ° symbol as representing the unit of measure for temperature. | Appetizers 4 C; Main Dish Objective 4 (Measurement) Lesson 3 | | |
| 3.13 I | Identifies Celsius and Fahrenheit as the metric and customary systems for measuring temperature. | Appetizers 4 C; Main Dish Objective 4 (Measurement) Lesson 3 | | |
| 3.14 I | Read a Celsius and Fahrenheit thermometer. | Appetizers 4 C; Main Dish Objective 4 (Measurement) Lesson 3 | | |
| 3.15 I | Relate temperature of degrees to hot, cold, or room temperature (Celsius and Fahrenheit). | Appetizers 4 C; Main Dish Objective 4 (Measurement) Lesson 3 | | |
| 3.16 O | Measure length and height to nearest half inch and foot using 12 inch ruler with concrete and pictorial objects. | Appetizers 4 B; Main Dish Objective 4 (Measurement) Lesson 2 | | |
| 3.17 O | Measures length in centimeter and meters. Identifies abbreviations. | Appetizers 4 B; Main Dish Objective 4 (Measurement) Lesson 2 | | |
| 3.18 O | Estimates and measures the length of a given object using inches, feet, yards, centimeters, and meters. | Appetizers 10 A; Main Dish Objective 10 (Estimation) Lesson 1 | | |
| 3.19 I | Identifies the gram, milligram, and kilogram as units of weight in the metric system. Identify abbreviations. | Appetizers 4 D; Main Dish Objective 4 (Measurement) Lesson 4 | | |
| 3.20 I | Estimates and measures weight in grams and kilograms. | Appetizers 4 D; Main Dish Objective 4 (Measurement) Lesson 4 | | |

Measurement

| Benchmark Number | Benchmark • Teaching Targets | Gourmet Resource | Tested | Taught |
|-------------------------|---|--|---------------|---------------|
| 3.21 I | Measure and compare weights of objects in ounces and pounds. | Appetizers 4 D; Main Dish Objective 4 (Measurement) Lesson 4 | | |
| 3.22 I | Identifies the abbreviations for ounces and pounds (oz and lb). | Appetizers 4 D; Main Dish Objective 4 (Measurement) Lesson 4 | | |
| 3.23 I | Measures in cups, pints, quarts, half gallon and gallons. | Appetizers 4 D; Main Dish Objective 4 (Measurement) Lesson 4 | | |
| 3.24 O | Solves appropriate word problems involving measurement, using the problem solving process and strategies. | All Practices, Applications, Final Tests, Reasonableness Problems in Objective 4 (Measurement) | | |

Geometry

| Benchmark Number | Benchmark • Teaching Targets | Gourmet Resource | Tested | Taught |
|-------------------------|--|--|---------------|---------------|
| 4.1 O | Identify square, rectangle, triangle, circle, pentagon, hexagon, octagon, heptagon, cube, cylinder, sphere, cone, rectangular prism, and pyramid. Differentiate between plane and spatial figures. | Appetizers 3 A; Main Dish Objective 3 (Geometry) Lesson 1; Doggie Bags | | |
| 4.2 O | Identify the number of edges and faces of 3-dimensional figures. | Appetizers 3 A; Main Dish Objective 3 (Geometry) Lesson 1 | | |
| 4.3 O | Identify transformations (slides, flips, turns) of 2-dimensional geometric shapes. | Appetizers 3 C; Main Dish Objective 3 (Geometry) Lesson 3; Doggie Bags | | |
| 4.4 O | Identifies and draws representations of points, lines, line segments, and rays. | Appetizers 3 C; Main Dish Objective 3 (Geometry) Lesson 3; Doggie Bags | | |
| 4.5 O | Identify angles and right angles. | Appetizers 3 C; Main Dish Objective 3 (Geometry) Lesson 3; Doggie Bags | | |
| 4.6 O | Extend the concepts of congruency, similarity, and symmetry. | Appetizers 3 B; Main Dish Objective 3 (Geometry) Lesson 2; Doggie Bags | | |

Data, Discrete Math, and Probability

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|-------------------------|---|--|---------------|---------------|
| 5.1 O | <i>Collect, organize, and construct bar graphs, pictographs, tables and tally charts.</i> | Appetizers 5 A; 12 C; Main Dish Objectives 5 (Probability/Statistics) Lesson 1; 12 (Mathematical Representation) Lesson 3 | | |
| 5.2 O | <i>Determine the probability of an outcome (more likely, less likely, equally likely).</i> | Appetizers 5 B & F; Main Dish Objective 5 (Probability/Statistics) Lessons 2 & 6; Extension Activities | | |
| 5.3 O | <i>Identify points on a graph using ordered pairs.</i> | | | |
| 5.4 O | <i>Solves appropriate word problems involving graphs, probability, and statistics, using the problem-solving process and strategies.</i> | Objective 5 (Probability/Statistics); All Practices, Applications, Final Tests, Reasonableness Problems; Doggie Bags | | |
| 5.5 O | <i>Solves appropriate critical thinking problems involving graphs, probability, and statistics using the problem-solving processes and strategies</i> | Objective 5 (Probability/Statistics); All Practices, Applications, Final Tests, Reasonableness Problems; Doggie Bags | | |

Patterns, Relations, and Functions

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|-------------------------|---|---|---------------|---------------|
| 6.1 I | <i>Describes and creates a pattern of concrete objects and pictorial forms.</i> | Appetizers 2 B; Main Dish Objective 2 (Mathematical Relations) Lesson 2; Doggie Bags | | |
| 6.2 I | <i>Investigates and describes patterns in number (0-1,000).</i> | Appetizers 2 C; Main Dish Objective 2 (Mathematical Relations) Lesson 3; Doggie Bags | | |
| 6.3 O | <i>Explore and discuss odd and even numbers (0-1,000).</i> | Appetizers 1 C; Main Dish Objective 1 (Number Concepts) Lesson 3 | | |

Patterns, Relations, and Functions

| Benchmark Number | Benchmark • Teaching Targets | Gourmet Resource | Tested | Taught |
|-------------------------|--|---|---------------|---------------|
| 6.4 O | <i>Identify numerical patterns and explain (one more, one less) (100-1,000).</i> | Appetizers 1 B; Main Dish Objective 1 (Number Concepts) Lesson 2 | | |
| 6.5 MA | <i>Relates counting by ones, fives, tens to time and money.</i> | Appetizers 1 C & F; Main Dish Objective 1 (Number Concepts) Lessons 3 & 6; Doggie Bags | | |
| 6.6 O | <i>Uses concrete models and calculators to create, continue, and analyze a wide variety of patterns.</i> | Appetizers 1 C; 2 B; Main Dish Objectives 1 (Number Concepts) Lesson 3; 2 (Mathematical Relations) Lesson 2; Doggie Bags | | |