

Louisiana
North Louisiana Education Consortium (NLEC) Standards
Mathematics - Grade 5
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Number Relations				
Benchmark Number	Benchmark • Teaching Targets	Gourmet Resource	Tested	Taught
1.1	<i>Read and write any number through the billions period.</i>	Appetizers 1 A; Main Dish Objective 1 (Number Concepts) Lesson 1		
1.2	<i>Change between standard and expanded form.</i>	Appetizers 1 A; Main Dish Objective 1 (Number Concepts) Lesson 1		
1.3	<i>Compare and order any number through the millions period.</i>	Appetizers 1 A; Main Dish Objective 1 (Number Concepts) Lesson 1		
1.4	<i>Round whole numbers to nearest tens, hundreds, thousands, or ten thousands.</i>	Appetizers 10 B; Main Dish Objective 10 (Estimation) Lesson 2		
1.5	<i>Read and write Roman numerals through 2000.</i>			
1.6	<i>Define and identify prime and composite numbers.</i>	Appetizers 1 F; Main Dish Objective 1 (Number Concepts) Lesson 6		
1.7	<i>Distinguish between least common multiples and greatest common factors of 2 or more numbers.</i>			
1.8	<i>Find the greatest common factor of 2 or more numbers.</i>			
1.9	<i>Find the least common multiple of 2 or more numbers (less than 30).</i>			

Number Relations

Benchmark Number	Benchmark • Teaching Targets	Gourmet Resource	Tested	Taught
1.10	<i>Demonstrate a conceptual understanding of addition, subtraction, multiplication and division of whole numbers. Students should estimate and check for reasonableness of answers.</i>	Appetizers 6 A; 7 A; 8 A; 9 A; 10 A; Main Dish Objectives 6 (Addition) Lesson 1; 7 (Subtraction) Lesson 1; 8 (Multiplication) Lesson 1; 9 (Division) Lesson 1 & Reasonableness Problems; 10 (Estimation) Lesson 1 & Reasonableness Problems		
1.11	<i>Demonstrate a conceptual understanding of addition, subtraction, multiplication, and division of fractions and mixed numbers. Students should estimate and check for reasonableness of answers.</i>	Appetizers 6 E, F, & G; 7 C; Main Dish Objectives 6 (Addition) Lessons 5, 6, & 7; 7 (Subtraction) Lesson 3 & Reasonableness Problems		
1.12	<i>Demonstrate a conceptual understanding of addition, subtraction, multiplication, and division of decimals. Students should estimate and check for reasonableness of answers.</i>	Appetizers 6 C; 7 B; 8 D; Main Dish Objectives 6 (Addition) Lesson 3; 7 (Subtraction) Lesson 2; 8 (Multiplication) Lesson 4		
1.13	<i>Read and write decimals to thousandths.</i>	Appetizers 1 B; Main Dish Objective 1 (Number Concepts) Lesson 2		
1.14	<i>Round decimals.</i>	Appetizers 1 E; Main Dish Objective 1 (Number Concepts) Lesson 5		

Algebra

Benchmark Number	Benchmark • Teaching Targets	Gourmet Resource	Tested	Taught
5.1	<i>Predict, investigate, explore and model equations and inequalities using a variety of strategies and tools.</i>	Appetizers 12 A; Main Dish Objective 12 (Mathematical Representation) Lesson 1		
5.2	<i>Construct and interpret situations and number patterns using a variety of methods such as tables, graphs, lists, diagrams, etc.</i>	Appetizers 2 A; 5 B & C; Main Dish Objectives 2 (Mathematical Relations) Lesson 1; 5 (Probability/Statistics) Lessons 2 & 3		
5.3	<i>Represent and extend the use of a variable to write and solve simple equations involving real life work.</i>	Appetizers 12 A; Main Dish Objective 12 (Mathematical Representation) Lesson 1		

Measurement

Benchmark Number	Benchmark • Teaching Targets	Gourmet Resource	Tested	Taught
2.1	<i>Convert customary units of time, including: seconds, minutes, days, weeks, and months.</i>	Appetizers 4 A; Main Dish Objective 4 (Measurement) Lesson 1		
2.2	<i>Read and interpret Celsius and Fahrenheit thermometers.</i>			
2.3	<i>Perform calculations involving money in real world situations.</i>	Appetizers 6 B; 7 B; 8 D; Main Dish Objectives 6 (Addition) Lesson 2; 7 (Subtraction) Lesson 2; 8 (Multiplication) Lesson 4		
2.4	<i>Explore, estimate and convert the appropriate unit of measure for a given object using nonstandard, customary and metric systems for length, weight, mass, and capacity.</i>	Appetizers 4 A, B, & C; Main Dish Objective 4 (Measurement) Lessons 1, 2, & 3		
2.5	<i>Determine the perimeter of a square, rectangle, triangle, or any given polygon.</i>	Appetizers 4 D & F; Main Dish Objective 4 (Measurement) Lessons 4 & 6		

Measurement				
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2.6	Determine the area of a square or rectangle using customary or metric units.	Appetizers 4 D & F; Main Dish Objective 4 (Measurement) Lessons 4 & 6		
2.7	Predict, explore, and determine different ways of finding the volume of a cube and rectangular solid.	Appetizers 4 E; Main Dish Objective 4 (Measurement) Lesson 5		
Geometry				
Benchmark Number	Benchmark • Teaching Targets	Gourmet Resource	Tested	Taught
3.1	Explore parts of a circle: center, radius, circumference, chord, and diameter.	Appetizers 4 F; 11 B; Main Dish Objectives 4 (Measurement) Lesson 6; 11 (Problem Solving) Lesson 2		
3.2	Explore and identify types of quadrilaterals and their diagonals: square, rectangle, trapezoid, parallelogram, and rhombus.	Appetizers 3 A & B; Main Dish Objective 3 (Geometry) Lessons 1 & 2		
3.3	Identify pentagon, hexagon, octagon.	Appetizers 3 A & B; Main Dish Objective 3 (Geometry) Lessons 1 & 2		
3.4	Identify lines of symmetry.	Appetizers 3 D; Main Dish Objective 3 (Geometry) Lesson 4		
3.5	Recognize similar and congruent figures.	Appetizers 3 D; Main Dish Objective 3 (Geometry) Lesson 4		
3.6	Use grids to locate a point.	Appetizers 2 D; Main Dish Objective 2 (Mathematical Relations) Lesson 4		
3.7	Explore, recognize and describe intersecting, parallel, horizontal, vertical and perpendicular lines and line segments.	Appetizers 3 E; Main Dish Objective 3 (Geometry) Lesson 5		
3.8	Explore, construct and classify angles as acute, obtuse, right, straight or congruent.	Appetizers 3 F; Main Dish Objective 3 (Geometry) Lesson 6		

Geometry

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3.9	Recognize that the sum of the measures of the interior angles of triangle is 180.	Appetizers 3 F; 11 B; Main Dish Objectives 3 (Geometry) Lesson 6; 11 (Problem Solving) Lesson 2		
3.10	Explore, construct, and identify common spatial figures: cube; rectangular solids; pyramids; sphere; cone; cylinder.	Appetizers 3 B; Main Dish Objectives 3 (Geometry) Lesson 2		
3.11	Explore slides, flips and turns.	Appetizers 3 C; 11 C; Main Dish Objectives 3 (Geometry) Lesson 3; 11 (Problem Solving) Lesson 3		

Data, Discrete Math, and Probability

<i>Benchmark Number</i>	<i>Benchmark</i> • <i>Teaching Targets</i>	<i>Gourmet Resource</i>	<i>Tested</i>	<i>Taught</i>
4.1	Construct, interpret, use and describe data from pictographs, bar graphs, circle graphs and line graphs.	Appetizers 5 B; 12 B; Main Dish Objectives 5 (Probability/Statistics) Lesson 2; 12 (Mathematical Representation) Lesson 2		
4.2	Analyze data to find the mean, median, mode and range.	Appetizers 5 E; Main Dish Objective 5 (Probability/Statistics) Lesson 5		
4.3	Explore, predict, record, interpret and explain data to show results or probability experiments.	Appetizers 5 A, C, & D; Main Dish Objective 5 (Probability/Statistics) Lessons 1, 3, & 4		

Patterns, Relations, and Functions

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1.6	<i>Define and identify prime and composite numbers.</i>	Appetizers 1 F; Main Dish Objective 1 (Number Concepts) Lesson 6		
1.7	<i>Distinguish between least common multiples and greatest common factors of 2 or more numbers.</i>			
6.1	<i>Represent and extend sequences and patterns.</i>	Appetizers 2 B; Main Dish Objective 2 (Mathematical Relations) Lesson 2		
6.2	<i>Extend multiplication and addition patterns.</i>	Appetizers 5 B & C; Main Dish Objective 5 (Probability/Statistics) Lessons 2 & 3		
6.3	<i>Collect, organize and analyze data.</i>	Appetizers 5 B; Main Dish Objective 5 (Probability/Statistics) Lesson 2		
6.4	<i>Explore and explain number patterns to solve problems.</i>	Appetizers 1 F; 2 B; Main Dish Objectives 1 (Number Concepts) Lesson 6; 2 (Mathematical Relations) Lesson 2		