

Louisiana
Ouachita Parish Standards
Mathematics - Grade 7
Correlations with Gourmet Curriculum Press, Inc.®
1.800.900.2290

First Six Weeks				
Benchmark Number	Benchmark • Teaching Targets	Tested	Gourmet Resource	Taught
Chapter 1				
N.1	<i>Demonstrating that a rational number can be expressed in many forms, and selecting and appropriate form for a given situation (e.g., fractions, decimals, and percents)</i>			
	• Recognize whole number place value.	ITBS/L21	Appetizers 7.1 A	
	• Use appropriate strategies to solve word problems.	ITBS/L21	All objectives; Appetizers 7.13 A, B, & C	
	• Identify place value through millionths.	ITBS/L21	Appetizers 7.1 B	
N.4	<i>Demonstrating a conceptual understanding of the meaning of the basic arithmetic operations (add, subtract, multiply, and divide) and their relationships to each other</i>			
	• Follow order of operations.	ITBS/L21	Appetizers 7.2 A, B, C, & E	
N.6	<i>Constructing, using, and explaining procedures to compute and estimate with rational numbers employing mental math strategies</i>			
	• Demonstrate a conceptual understanding of whole number operations including rounding and estimation.	ITBS/L21	Appetizers 7.2 A & B; 7.3 A	
	• Round quotients through millionth.	ITBS/L21	Appetizers 7.2 B	
	• Apply skills through the use of word problems.	ITBS/L21	Appetizers 7.2 F & G; 7.13 A, B, & C	
A.1	<i>Demonstrating a conceptual understanding of variables, expressions, equations and inequalities (e.g., symbolically represent real-world problems as linear terms, equations or inequalities)</i>			
	• Write numbers in exponential and scientific notation.	ITBS/L21	Appetizers 7.1 C; 7.2 E	

*Denotes new updates

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Chapter 1				
A.2	Modeling and developing methods for solving equations and inequalities (e.g., using charts, graphs, manipulatives, and/or standard algebraic procedures)			
	• <i>Identify and find missing values in numerical and algebraic expressions.</i>	ITBS/L21	7.5 A & B	
Chapter 2				
N.1	Demonstrating that a rational number can be expressed in many forms, and selecting an appropriate form for a given situation (e.g., fractions, decimals, and percents)			
	• <i>Demonstrate a conceptual understanding of decimals including writing, rounding, comparing, and performing basic operations. Students estimate and check for reasonableness of answers.</i>	ITBS/L21	Appetizers 7.1 A; 7.2 A, B, & C; 7.9 A	
	• <i>Use appropriate strategies to solve word problems.</i>	ITBS/L21	Appetizers 7.2 E, F, & G	
A.1	Demonstrating a conceptual understanding of variables, expressions, equations and inequalities (e.g., symbolically represent real-world problems as linear terms, equations or inequalities)			
	• <i>Write numbers in exponential and scientific notation.</i>	ITBS/L21	Appetizers 7.2 E	
M.1	Applying the concepts of length, area, surface area, volume, capacity, weight, mass, money, time, temperature, and rate to real-world experiences			
	• <i>Explore, estimate, and convert the appropriate unit of measure for a given object using customary and metric systems for length, weight, mass, capacity, volume, temperature, and time.</i>	ITBS/L21	Appetizers 7.9 A	

Second Six Weeks

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Chapter 3				
D.2	<i>Analyzing, interpreting, evaluating, drawing inferences, and making estimations, predictions, decisions, and convincing arguments based on organized data (e.g., analyze data using concepts of mean, median, mode, range, random samples, sample size, bias, and data extremes)</i>			
	<ul style="list-style-type: none"> Demonstrate appropriate use of and ability to interpret and use information in bar, circle, and line graphs. 	ITBS/L21	Appetizers 7.4 B; 7.11 B; 7.14 B*	
	<ul style="list-style-type: none"> Interpret and draw conclusions based on information using stem and leaf plots, frequency tables, and histograms. 	ITBS/L21	Appetizers 7.4 B; 7.15 B*	
	<ul style="list-style-type: none"> Analyze data to find mean, median, mode, and range. 	ITBS/L21	Appetizers 7.12 A & B	
	<ul style="list-style-type: none"> Explore and interpret tables and graphs to make generalizations or write and solve equations based on the information. 	ITBS/L21	Appetizers 7.4 B; 7.11 A & B	
Chapter 4				
N.1	<i>Demonstrating that a rational number can be expressed in many forms, and selecting an appropriate form for a given situation (e.g., fractions, decimals, and percents)</i>			
	<ul style="list-style-type: none"> Define and identify prime and composite numbers. 	ITBS/L21	Appetizers 7.1 C; 7.2 E	
	<ul style="list-style-type: none"> Change fractions to terminating or repeating decimals. 	ITBS/L21	Appetizers 7.1 B; 7.2 B	
	<ul style="list-style-type: none"> Find the GCF and LCM of 2 or more numbers and find the prime factorization of composite numbers. 	ITBS/L21	Appetizers 7.2 B & E	
N.3	<i>Reading, writing, representing, and using rational numbers in a variety of forms (e.g., integers, mixed numbers, and improper fractions)</i>			
	<ul style="list-style-type: none"> Demonstrate a conceptual understanding of fractions and mixed numbers including simplifying, comparing, ordering, and estimating. 	ITBS/L21	Appetizers 7.1 A & B; 7.2 A	

Second Six Weeks

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Chapter 4				
N.4	<i>Demonstrating a conceptual understanding of the meaning of the basic arithmetic operations (add, subtract, multiply, and divide) and their relationships to each other</i>			
	<ul style="list-style-type: none"> Apply the divisibility rules of 2, 3, 4, 5, 6, 8, 9, 10 to determine other concepts of number theory. 	ITBS/L21	Appetizers 7.2 C	
P.1	<i>Describing, extending, analyzing, and creating a wide variety of numerical, geometrical, and statistical patterns (e.g., skip counting of rational numbers, and simple exponential number patterns)</i>			
	<ul style="list-style-type: none"> Explore patterns with prime numbers. 	ITBS/L21	Appetizers 7.1 C; 7.2 E	
D.5	<i>Comparing experimental probability results with theoretical probability (e.g., representing probabilities of concrete situations as common fractions, investigating single-event and multiple-event probability, using sample spaces, geometric figures, tables, and/or graphs)</i>			
	<ul style="list-style-type: none"> Predict and find the probability of outcomes and events, including impossible and certain outcomes. 	ITBS/L21	Appetizers 7.10 A; 7.11 A	

Third Six Weeks

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Chapter 5				
N.3	<i>Reading, writing, representing, and using rational numbers in a variety of forms (e.g., integers, mixed numbers, and improper fractions)</i>			
	<ul style="list-style-type: none"> Demonstrate a conceptual understanding of fractions and mixed numbers including simplifying, comparing, ordering, and estimating. 	ITBS/L21	Appetizers 7.1 A & B; 7.2 A	
N.4	<i>Demonstrating a conceptual understanding of the meaning of the basic arithmetic operations (add, subtract, multiply, and divide) and their relationships to each other</i>			
	<ul style="list-style-type: none"> Perform operations using the basic properties: commutative, distributive, associative, etc. 	ITBS/L21	Appetizers 7.2 A & B	
N.5	<i>Applying an understanding of rational numbers and arithmetic operations to real-life situations</i>			
	<ul style="list-style-type: none"> Perform basic operations with fractions. 	ITBS/L21	Appetizers 7.2 B	
N.7	<i>Selecting and using appropriate computational methods and tools for given situations involving rational numbers (e.g., estimations, or exact computation using mental arithmetic, calculator, computer, or paper and pencil)</i>			
	<ul style="list-style-type: none"> Use appropriate strategies to solve word problems. 	ITBS/L21	Appetizers 7.2 F & G; 7.13 A, B, & C	
M.2	<i>Demonstrating an intuitive sense of measurement (e.g., estimating and determining reasonableness of measures)</i>			
	<ul style="list-style-type: none"> Determine the perimeter and area of a given polygon (square, rectangle, triangle, parallelogram, trapezoid, or irregularly shaped polygon) using customary and metric units. 	ITBS/L21	Appetizers 7.9 A	
G.2	<i>Identifying, describing, comparing, constructing, and classifying geometric figures and concepts</i>			
	<ul style="list-style-type: none"> Explore parts of a circle: center, radius, circumference, chord, and diameter. 	ITBS/L21	Appetizers 7.6 B	

Third Six Weeks

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Chapter 5				
D.5	<i>Comparing experimental probability results with theoretical probability (e.g., representing probabilities of concrete situations as common fractions, investigating single-event and multiple-event probability, using sample spaces, geometric figures, tables, and/or graphs)</i>			
	<ul style="list-style-type: none"> Predict and find the probability of outcomes and events, including impossible and certain outcomes. 	ITBS/L21	Appetizers 7.10 A; 7.11 A	
Chapter 6				
A.5	<i>Demonstrating the connection of algebra to the other strands and to real-life situations</i>			
	<ul style="list-style-type: none"> Explore inverse operations and apply same to solve multi-step equations. 	ITBS/L21	Appetizers 7.2 B, C, & E	
	<ul style="list-style-type: none"> Communicate mathematical ideas using language, efficient tools, appropriate units, and graphical, numerical, physical, or algebraic mathematical models. 	ITBS/L21	Appetizers 7.14 A*	
A.2	<i>Modeling and developing methods for solving equations and inequalities (e.g., using charts, graphs, manipulatives, and/or standard algebraic procedures)</i>			
	<ul style="list-style-type: none"> Explore, interpret, write, solve and graph one-step algebraic equations and inequalities using rational numbers. 	ITBS/L21	Appetizers 7.4 B; 7.5 A & B	
	<ul style="list-style-type: none"> Make conjectures from patterns or sets of examples and nonexamples 		Appetizers 7.11 A; 7.15 A*	
	<ul style="list-style-type: none"> Validate his/her conclusions using mathematical properties and relationships. 	ITBS/L21	Appetizers 7.15 B*	
M.2	<i>Demonstrating an intuitive sense of measurement (e.g., estimating and determining reasonableness of measures)</i>			
	<ul style="list-style-type: none"> Determine the perimeter and area of a given polygon (square, rectangle, triangle, parallelogram, trapezoid, or irregularly shaped polygon) using customary and metric units. 	ITBS/L21	Appetizers 7.9 A	

Fourth Six Weeks

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Chapter 7				
N.2	<i>Demonstrating number sense and estimation skills to describe, order, and compare rational numbers (e.g., magnitude, integers, fractions, decimals, and percents)</i>			
	• Demonstrate a conceptual understanding of absolute value and opposites.	ITBS/L21	Appetizers 7.2 B & C	
	• Demonstrate a conceptual understanding of integers, including comparing, ordering, adding, subtracting, multiplying, and dividing.	ITBS/L21	Appetizers 7.2 C	
D.5	<i>Comparing experimental probability results with theoretical probability (e.g., representing probabilities of concrete situations as common fractions, investigating single-event and multiple-event probability, using sample spaces, geometric figures, tables, and/or graphs)</i>			
	• Predict and find the probability of outcomes and events, including impossible and certain outcomes.	ITBS/L21	Appetizers 7.10 A; 7.11 A & B	
A.1	<i>Demonstrating a conceptual understanding of variables, expressions, equations and inequalities (e.g., symbolically represent real-world problems as linear terms, equations or inequalities)</i>			
	• Solve problems involving negative exponential notation.	ITBS/L21	Appetizers 7.2 E	
Chapter 11				
N.8	<i>Demonstrating a conceptual understanding and application of proportional reasoning (e.g., determining equivalent ratios, finding a missing term of a given proportion)</i>			
	• Demonstrate proportional reasoning using rates, ratios, and proportions.	ITBS/L21	Appetizers 7.2 D	
	• Explore and demonstrate a conceptual understanding of ratios, rates, and proportions.	ITBS/L21	Appetizers 7.2 D; 7.3 B	
	• Solve proportions for the missing value including part, whole, and percent	ITBS/L21	Appetizers 7.2 D; 7.3 B	

Fourth Six Weeks

Benchmark Number	Benchmark • Teaching Targets	Tested	Gourmet Resource	Taught
Chapter 11				
N.1	<i>Demonstrating that a rational number can be expressed in many forms, and selecting an appropriate form for a given situation (e.g., fractions, decimals, and percents)</i>			
	<ul style="list-style-type: none"> • Convert between fractions, decimals, and percents. 	ITBS/L21	Appetizers 7.1 B	
Chapter 12				
A.5	<i>Demonstrating the connection of algebra to the other strands and to real-life situations</i>			
	<ul style="list-style-type: none"> • Explore algebra by using equations to solve percent problems. 	ITBS/L21	Appetizers 7.5 A	
M.1	<i>Applying the concepts of length, area, surface area, volume, capacity, weight, mass, money, time, temperature, and rate to real-world experiences</i>			
	<ul style="list-style-type: none"> • Perform calculations involving money in real-world situations, including interest, taxes, discounts, etc. 	ITBS/L21	Appetizers 7.3 B	
	<ul style="list-style-type: none"> • Solve proportions for the missing value including part, whole, and percent 	ITBS/L21	Appetizers 7.2 D; 7.3 B	

Fifth Six Weeks

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Chapter 8				
G.2	<i>Identifying, describing, comparing, constructing, and classifying geometric figures and concepts</i>			
	<ul style="list-style-type: none"> Identify, describe and compare acute, right, obtuse, vertical, complimentary, supplementary, adjacent, or corresponding angles. 	ITBS/L21	Appetizers 7.6 A	
G.5	<i>Making and testing conjectures about geometric shapes and their properties</i>			
	<ul style="list-style-type: none"> Determine the perimeter and area of a given polygon (square, rectangle, triangle, parallelogram, trapezoid, or irregularly shaped polygon) using customary and metric units. Identify Polygons 	ITBS/L21	Appetizers 7.6 B & C; 7.9 A	
G.2	<i>Identifying, describing, comparing, constructing, and classifying geometric figures and concepts</i>			
	<ul style="list-style-type: none"> Identify and describe intersecting, parallel, horizontal, vertical, and perpendicular lines and line segments. 	ITBS/L21	Appetizers 7.6 A	
	<ul style="list-style-type: none"> Recognize similar and congruent figures. 	ITBS/L21	Appetizers 7.6 D	
	<ul style="list-style-type: none"> Explore and investigate quadrilaterals to identify as trapezoids, rectangles, squares, parallelograms, and rhombuses. 	ITBS/L21	Appetizers 7.6 B	
G.3	<i>Making predictions regarding transformations of geometric figures (e.g., make predictions regarding translations, reflections, and rotations of common figures)</i>			
	<ul style="list-style-type: none"> Explore motion geometry to predict changes to identify and classify flips, slides, and turns and to recognize lines of symmetry. 	ITBS/L21	Appetizers 7.7 B*	

Fifth Six Weeks

Benchmark Number	Benchmark • Teaching Targets	Tested	Gourmet Resource	Taught
Chapter 9				
G.5	<i>Making and testing conjectures about geometric shapes and their properties</i>			
	• Investigate triangles to determine angle sums and identify according to angle and side measurements.	ITBS/L21	Appetizers 7.6 A	
	• Explore and investigate circles to make generalizations about pi and to find the area and circumference of given circles.	ITBS/L21	Appetizers 7.6 B; 7.9 A	
M.2	<i>Demonstrating an intuitive sense of measurement (e.g., estimating and determining reasonableness of measures)</i>			
	• Determine the perimeter and area of a given polygon (square, rectangle, triangle, parallelogram, trapezoid, or irregularly shaped polygon) using customary and metric units.	ITBS/L21	Appetizers 7.9 A	
D.5	<i>Comparing experimental probability results with theoretical probability (e.g., representing probabilities of concrete situations as common fractions, investigating single-event and multiple-event probability, using sample spaces, geometric figures, tables, and/or graphs)</i>			
	• Predict and find the probability of outcomes and events, including impossible and certain outcomes.	ITBS/L21	Appetizers 7.10 A; 7.11 A & B	
Chapter 10				
G.2	<i>Identifying, describing, comparing, constructing, and classifying geometric figures and concepts</i>			
	• Explore and identify three-dimensional figures.	ITBS/L21	Appetizers 7.6 C	
	• Make a net (two-dimensional model) of the surface area of a solid*		Appetizers 7.8 B*	
	• Use geometric concepts and properties to solve problems in fields such as art and architecture.*		Appetizers 7.6 C*	
M.1	<i>Applying the concepts of length, area, surface area, volume, capacity, weight, mass, money, time, temperature, and rate to real-world experiences</i>			
	• Explore and investigate volume of cylinders and prisms.	ITBS/L21	Appetizers 7.4 A; 7.9 A	

Sixth Six Weeks				
Benchmark Number	Benchmark • Teaching Targets	Tested	Gourmet Resource	Taught
Chapter 13				
D.4	<i>Analyzing various counting and enumeration procedures with and without replacement (e.g., find the total number of possible outcomes or possible choices in a given situation)</i>			
	• Predict and find the sample space of an experiment.	ITBS/L21	Appetizers 7.10 A	
P.3	<i>Analyzing relationships to explain how a change in one quantity results in a change in another (e.g., change in the dimensions of a rectangular solid affects the volume)</i>			
	• Compare experimental and mathematical probabilities of an event.	ITBS/L21	Appetizers 7.11 A & B	
Chapter 14				
A.1	<i>Demonstrating a conceptual understanding of variables, expressions, equations and inequalities (e.g., symbolically represent real-world problems as linear terms, equations or inequalities)</i>			
	• Use variables to evaluate algebraic expressions in which the value of the variable is given.	ITBS/L21	Appetizers 7.5 A; 7.14 A	
	• Apply number sentences and formulas in real-world situations to solve for variables in qualities of inequalities.	ITBS/L21	Appetizers 7.3 A & B; 7.13 A & C; 7.14 A	
A.5	<i>Demonstrating the connection of algebra to the other strands and to real-life situations</i>			
	• Explore and identify three-dimensional figures.	ITBS/L21	Appetizers 7.6 B & C*	
P.2	<i>Describing and representing relationships using tables, rules, simple equations, and graphs</i>			
	• Explore the coordinate system by locating ordered pairs and graphing linear equalities with one variable.	ITBS/L21	Appetizers 7.7 A & B	

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