

**Mississippi
Curricular Standards
Mathematics - Grade 4
Correlations with Gourmet Curriculum Press, Inc.©
1.800.900.2290**

Benchmark Number	Benchmark • Instructional Target	Gourmet Resource	Taught	Tested
1	Explore and discover properties and relationships of number patterns. (P, M, G, N)			
a	<ul style="list-style-type: none"> Recognize, describe, and extend a given pattern. 	Appetizers 2 B; Main Dish Objective 2 (Mathematical Relations) Lesson 2; Applications; Final Tests; Reasonableness Problems; Journal Topics		
b	<ul style="list-style-type: none"> Analyze a given pattern and generate a similar pattern. 	Appetizers 2 B; Main Dish Objective 2 (Mathematical Relations) Lesson 2; Applications; Final Tests; Reasonableness Problems; Journal Topics		
c	<ul style="list-style-type: none"> Use variables and open sentences to solve problems with the four basic operations. 	Appetizers 2 A; 11 A & B; Main Dish Objectives 2 (Mathematical Relations) Lesson 1; 11 (Problem Solving) Lessons 1 & 2; Applications; Final Tests; Reasonableness Problems; Journal Topics		
2	Explore concepts of two and three-dimensional geometry. (P, M, G, N)			
a	<ul style="list-style-type: none"> Construct two and three-dimensional geometric figures with concrete materials. 	Appetizers 3 A; Main Dish Objective 3 (Geometry) Lesson 1; Applications; Final Tests; Reasonableness Problems; Journal Topics		
b	<ul style="list-style-type: none"> Identify, describe, classify, and compare two and three-dimensional geometric shapes, figures, and models. 	Appetizers 3 A & B; Main Dish Objective 3 (Geometry) Lessons 1 & 2; Applications; Final Tests; Reasonableness Problems; Journal Topics		

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c	• Investigate transformational results of slides, flips, and turns.	Appetizers 3 C; Main Dish Objective 3 (Geometry) Lesson 3; Applications; Final Tests; Reasonableness Problems; Journal Topics		
d	• Identify and model points, lines (including parallel, perpendicular, and intersecting lines), line segments, and rays.	Appetizers 3 D; Main Dish Objective 3 (Geometry) Lesson 4; Applications; Final Tests; Reasonableness Problems; Journal Topics		
e	• Recognize right, acute, and obtuse angles.	Appetizers 3 D; Main Dish Objective 3 (Geometry) Lesson 4; Applications; Final Tests; Reasonableness Problems; Journal Topics		
f	• Define and label the following parts of a circle: center, radius, diameter, and chord and explore the meaning of circumference of a circle.			
g	• Identify congruent and symmetrical figures.	Appetizers 3 B; Main Dish Objective 3 (Geometry) Lesson 2; Applications; Final Tests; Reasonableness Problems; Journal Topics		
h	• Investigate geometric concepts using interactive materials and resources.	Appetizers 3; Main Dish Objective 3 (Geometry) Center Activities; Applications; Final Tests; Reasonableness Problems; Journal Topics		
3	Develop the process of measurement and the concepts related to units of measurement. (P, M, G, N)			
a	• Measure a given object to the nearest fourth of an inch.	Appetizers 4 C; Main Dish Objective 4 (Measurement) Lesson 3; Applications; Final Tests; Reasonableness Problems; Journal Topics		
b	• Select, use, compare, and convert within the appropriate standard (English and metric) system of measurement.	Appetizers 4 C, E, & F; Main Dish Objective 4 (Measurement) Lessons 3, 5, & 6; Applications; Final Tests; Reasonableness Problems; Journal Topics		

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c	• <i>Determine the perimeter and areas (grid areas) of appropriate standard and nonstandard geometric figures.</i>	Appetizers 4 G & H; 11 E; Main Dish Objective 4 (Measurement) Lessons 7 & 8; 11 (Problem Solving) Lesson 5; Applications; Final Tests; Reasonableness Problems; Journal Topics		
d	• <i>Identify the attributes of length, weight, capacity, mass, volume, time, and temperature using English and metric units of measurement.</i>	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		
e	• <i>Calculate and solve problems with elapsed time.</i>	Appetizers 4 A & B; Main Dish Objective 4 (Measurement) Lessons 1 & 2; Applications; Final Tests; Reasonableness Problems; Journal Topics		
4	Explore probability and the process of data analysis and predictions. (P, D, M, G, N)			
a	• <i>Collect, organize, and interpret data, using bar graphs, circle graphs, line graphs, pictographs, charts, tables, and tally charts.</i>	Appetizers 5 C; 12 B; Main Dish Objectives 5 (Probability/Statistics) Lesson 3; 12 (Mathematical Representation) Lesson 2; Applications; Final Tests; Reasonableness Problems; Journal Topics		
b	• <i>Formulate and solve problems that involve data analysis and prediction.</i>	Appetizers 5 C; 12 C; Main Dish Objectives 5 (Probability/Statistics) Lesson 3; 12 (Mathematical Representation) Lesson 3; Applications; Final Tests; Reasonableness Problems; Journal Topics		
c	• <i>Investigate the concepts of probability.</i>	Appetizers 5 A & B; Main Dish Objective 5 (Probability/Statistics) Lessons 1 & 2; Applications; Final Tests; Reasonableness Problems; Journal Topics		

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5	Estimate and use mental computation to solve mathematical problems. (P, D, M, N)			
a	<ul style="list-style-type: none"> Estimate sums, differences, products, and quotients using a variety of techniques. 	Appetizers 10 B, C, D, & E; Main Dish Objective 10 (Estimation) Lessons 2, 3, 4, & 5; Applications; Final Tests; Reasonableness Problems; Journal Topics		
b	<ul style="list-style-type: none"> Determine whether estimated answers are reasonable and units are appropriate. 	Appetizers 10 A, B, & C; Main Dish Objective 10 (Estimation) Lessons 1, 2, & 3; Applications; Final Tests; Reasonableness Problems; Journal Topics		
c	<ul style="list-style-type: none"> Estimate and use mental computation to solve real-life problems where exact answers are not required. 	Appetizers 10 A; Main Dish Objective 10 (Estimation) Lesson 1; Applications; Final Tests; Reasonableness Problems; Journal Topics		
6	Identify numerical relationships with whole numbers, decimals, and fractions. (P, D, M, G, N)			
a	<ul style="list-style-type: none"> Read and write six-digit whole numbers, decimal numbers through hundredths, and fractions. 	Appetizers 1 A; Main Dish Objective 1 (Number Concepts) Lesson 1; Applications; Final Tests; Reasonableness Problems; Journal Topics		
b	<ul style="list-style-type: none"> Order and compare six-digit whole numbers, decimal numbers through hundredths, and fractions with denominators of twelve or less. 	Appetizers 1 B; Main Dish Objective 1 (Number Concepts) Lesson 2; Applications; Final Tests; Reasonableness Problems; Journal Topics		
c	<ul style="list-style-type: none"> Round whole numbers to one hundred thousand and round decimal numbers through hundredths. 	Appetizers 1 E; 10 C; Main Dish Objectives 1 (Number Concepts) Lesson 5; 10 (Estimation) Lesson 3; Applications; Final Tests; Reasonableness Problems; Journal Topics		
d	<ul style="list-style-type: none"> Identify, draw, and model equivalent fractions. 	Appetizers 1 G; Main Dish Objective 1 (Number Concepts) Lesson 7; Applications; Final Tests; Reasonableness Problems; Journal Topics		

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e	<ul style="list-style-type: none"> Using real-life objects, represent, draw, and explain the relationships between fractions and decimals. 	Appetizers 1 E & G; Main Dish Objective 1 (Number Concepts) Lessons 5 & 7; Applications; Final Tests; Reasonableness Problems; Journal Topics		
f	<ul style="list-style-type: none"> Utilize a variety of multimedia and technology resources to explore numerical relationships. 			
7	Utilize the four basic operations for whole numbers in the addition and subtraction of decimals and fractions. (P, D, M, N)			
a	<ul style="list-style-type: none"> Add and subtract six-digit whole numbers with and without regrouping. 	Appetizers 6 A; 7 A; 11 A; 12 A; Main Dish Objectives 6 (Addition) Lesson 1; 7 (Subtraction) Lesson 1; 11 (Problem Solving) Lesson 1; 12 (Mathematical Representation) Lesson 1; Applications; Final Tests; Reasonableness Problems; Journal Topics		
b	<ul style="list-style-type: none"> Add and subtract decimals to tenths and hundredths. 	Appetizers 6 C; 7 C; Main Dish Objectives 6 (Addition) Lesson 3; 7 (Subtraction) Lesson 3; Applications; Final Tests; Reasonableness Problems; Journal Topics		
c	<ul style="list-style-type: none"> Multiply whole numbers by one-digit multipliers, and divide by one-digit divisors, with and without remainders. 	Appetizers 8 A; 9 A, B, & C; Main Dish Objectives 8 (Multiplication) Lesson 1; 9 (Division) Lessons 1, 2, & 3; Applications; Final Tests; Reasonableness Problems; Journal Topics		
d	<ul style="list-style-type: none"> Model and identify factors and multiples of whole numbers to one hundred. 	Appetizers 8 A; Main Dish Objective 8 (Multiplication) Lesson 1; Applications; Final Tests; Reasonableness Problems; Journal Topics		

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e	• <i>Add, subtract, multiply, and divide money amounts.</i>	Appetizers 6 B; 7 C; 9 D; 11 A, B, & F; Main Dish Objectives 6 (Addition) Lesson 2; 7 (Subtraction) Lesson 3; 9 (Division) Lesson 4; 11 (Problem Solving) Lessons 1, 2, & 6; Applications; Final Tests; Reasonableness Problems; Journal Topics		
f	• <i>Count change to \$10.00.</i>			
g	• <i>Explore the four basic operations through appropriate multimedia resources.</i>			
h	• <i>Add and subtract fractions with like and unlike denominators.</i>	Appetizers 6 D; Main Dish Objective 6 (Addition) Lesson 4; Applications; Final Tests; Reasonableness Problems; Journal Topics		
i	• <i>Apply problem-solving techniques to solve one and two-step problems involving the basic operations.</i>	Appetizers 11 F; Main Dish Objective 11 (Problem Solving) Lesson 6; Applications; Final Tests; Reasonableness Problems; Journal Topics		

Patterns/Algebraic Thinking (P)
Data Analysis/Prediction (D)
Measurement (M)
Geometric Concepts (G)
Number Sense (N)