

Grade Three
Gourmet Curriculum Press, Inc.©
Correlations with West Virginia
Instructional Math Goals and Objectives

The third grade objectives extend the students' mathematical skills and concepts through concrete experiences and appropriate technology. These concepts and operations include: whole number operations; comparing and ordering numbers to a hundred and a thousand; fractions and decimals; multiplication facts through the nines; and exploring concepts of perimeter, area, and volume. Additional concepts include: gathering and organizing data, estimating and performing measurements.

Number Theory and Number Sense

3.14 compare and order numbers through 100,000 **Appetizers 1 A; Main Dish Objective 1 (Number Concepts) Lesson 1; Applications; Final Tests; Reasonableness Problems; Doggie Bag CD Rom**

3.2 group and count concrete items by ones, tens, hundreds, and thousands **Appetizers 1 A; Main Dish Objective 1 (Number Concepts) Lesson 1; Applications; Final Tests; Reasonableness Problems; Doggie Bag CD Rom**

3.34, 5 read and write six digit numbers and identify place value for each digit utilizing standard and expanded form **Appetizers 1 B and E; Main Dish Objective 1 (Number Concepts) Lessons 2 and 5; Applications; Final Tests; Reasonableness Problems**

3.42, 4 identify a number as odd or even **Appetizers 1 C; Main Dish Objective 1 (Number Concepts) Lesson 3; Applications; Final Tests; Reasonableness Problems**

3.55 identify and model 100 more and 100 less than a given number

3.6 give examples of multiple uses of numbers in the real world **Appetizers 1 A; Main Dish Objective 1 (Number Concepts) Lesson 1; Applications; Final Tests; Reasonableness Problems**

3.74 estimate to the nearest 1000 using front-end digit, rounding, compatible numbers, and logical reasoning **Appetizers 10 B; Main Dish Objective 10 (Estimation) Lesson 2; Applications; Final Tests; Reasonableness Problems; Doggie Bag CD Rom**

Fractions and Decimals

3.81, 2, 4, 5 identify fraction models that are part of a whole and/or part of a group **Appetizers 1 D; Main Dish Objective 1 (Number Concepts) Lesson 4; Applications; Final Tests; Reasonableness Problems; Doggie Bag CD Rom**

3.9^{4,5} compare and order fractions with like and unlike denominators **Appetizers 1 D; Main Dish Objective 1 (Number Concepts) Lesson 4; Applications; Final Tests; Reasonableness Problems; Doggie Bag CD Rom**

3.10 add and subtract fractions using concrete materials

3.11^{4,5} read, write, compare, and order decimals expressed to hundredths **Appetizers 1 F; Main Dish Objective 1 (Number Concepts) Lesson 7; Applications; Final Tests; Reasonableness Problems**

3.12 identify and represent equivalent fractions, and relate fractions to decimals as tenths and hundredths using concrete materials

3.13^{4,5} add and subtract decimals to tenths and hundredths **Appetizers 6 B; 7 B; Main Dish Objective 6 (Addition) Lesson 2; Objective 7 (Subtraction) Lesson 2; Applications; Final Tests; Reasonableness Problems**

3.14 recognize and model mixed numbers using concrete materials **Appetizers 1 F; Main Dish Objective 1 (Number Concepts) Lesson 7; Applications; Final Tests; Reasonableness Problems**

3.15^{2,4} add and subtract two and three digit whole numbers and money with and without regrouping **Appetizers 6 A and B; 7 A and B; Main Dish Objective 6 (Addition) Lessons 1 and 2; Objective 7 (Subtraction) Lessons 1 and 2; Applications; Final Tests; Reasonableness Problems**

Whole Number Operations and Computations

3.16^{4,5} recall basic multiplication facts 0-9 and the corresponding division facts that make up families of facts **Appetizers 8; 9; Main Dish Objective 8 (Multiplication); Objective 9 (Division); Applications; Final Tests; Reasonableness Problems; Doggie Bag CD Rom**

3.17^{4,5,6,7} identify the commutative property and identity element for multiplication and recognize multiplication as repeated addition **Appetizers 8 A; Main Dish Objective 8 (Multiplication) Lesson 1; Applications; Final Tests; Reasonableness Problems; Doggie Bag CD Rom**

3.18⁴ model three digit subtraction with regrouping across zeros **Appetizers 7 A and B; Main Dish Objective 7 (Subtraction) Lessons 1 and 2; Applications; Final Tests; Reasonableness Problems; Doggie Bag CD Rom**

3.19^{2,4} solve problems using various computational methods, including calculator, paper/pencil, mental computation, and estimation **Reasonableness Problems in all objectives; Journal Writing Topics in all objectives**

3.20 use a calculator in situations involving four digit or higher numbers with two or more addends

3.214 in computation and problem solving situations: identify missing information, verify solutions, and determine the reasonableness of results **Appetizers 11 C; 13; Main Dish Objective 11 (Solution Strategies) Lesson 3; Objective 13 (Reasonableness); Applications; Final Tests; Reasonableness Problems; Doggie Bag CD Rom**

3.224 multiply two and three digit by one digit numbers with and without regrouping

3.234 divide two and three digit by one digit numbers with and without regrouping

Patterns and Relationships

3.241, 2, 4, 5, 6, 7, 8 identify patterns within the number system, including numerical operations using the calculator (e.g., odd+odd=even, even+odd=odd) **Appetizers 2 B; Main Dish Objective 2 (Mathematical Relations) Lesson 2; Applications; Final Tests; Reasonableness Problems; Doggie Bag CD Rom**

3.25K, 1, 2, 4 analyze a given pattern using concrete objects and pictures, and then create a pattern with the same attribute; complete geometric patterns **Appetizers 2 B; Main Dish Objective 2 (Mathematical Relations) Lesson 2; Applications; Final Tests; Reasonableness Problems; Doggie Bag CD Rom**

Probability and Statistics

3.261, 2, 4 experiment and describe the concepts of probability and chance, and list possible outcomes from a sampling **Appetizers 5; Main Dish Objective 5 (Probability/Statistics); Applications; Final Tests; Reasonableness Problems; Doggie Bag CD Rom**

3.27 using a calculator, determine the mean from collected data

3.28 as part of a problem solving situation, conduct a survey, organize the data, and display the findings on a bar and line graph **Appetizers 5 A; Main Dish Objective 5 (Probability/Statistics) Lesson 1; Applications; Final Tests; Reasonableness Problems**

3.294 given grid paper, collect data on a given topic and read, interpret, construct, and label a bar graph showing the results **Appetizers 5 A; Main Dish Objective 5 (Probability/Statistics) Lesson 1; Applications; Final Tests; Reasonableness Problems**

3.30 use a time line to display a sequence of events **Appetizers 5 A; Main Dish Objective 5 (Probability/Statistics) Lesson 1; Applications; Final Tests; Reasonableness Problems**

3.311, 2, 4 read and interpret tables and tally charts **Appetizers 5 A; Main Dish Objective 5 (Probability/Statistics) Lesson 1; Applications; Final Tests; Reasonableness Problems**

Geometry and Spatial Sense

3.324, 5 locate and graph/plot ordered pairs on a grid in the first quadrant

3.332, 4, 5, 6, 7, 8, 9, 10, 11 given a model, draw an example of a flip, slide, and turn

3.341, 2, 4 identify basic polygons including (pentagon, hexagon, and octagon) and components (sides and vertices) **Appetizers 3 A; Main Dish Objective 3 (Geometry) Lesson 1; Applications; Final Tests; Reasonableness Problems; Doggie Bag CD Rom**

3.354, 5 identify and construct right, obtuse, and acute angles

3.364, 5, 6 compare areas of figures **Appetizers 3 D; Main Dish Objective 3 (Geometry) Lesson 4; Applications; Final Tests; Reasonableness Problems**

3.371, 2, 4 identify lines of symmetry **Appetizers 3 C; Main Dish Objective 3 (Geometry) Lesson 3; Applications; Final Tests; Reasonableness Problems; Doggie Bag CD Rom**

3.381, 2, 4 identify congruent figures **Appetizers 3 B; Main Dish Objective 3 (Geometry) Lesson 2; Applications; Final Tests; Reasonableness Problems; Doggie Bag CD Rom**

Measurement

3.392, 4 estimate and compare linear measurements (e.g., length and height) using inch, (precise to the nearest half inch) foot, yard, centimeter, and meter; then measure **Appetizers 4 B; Main Dish Objective 4 (Measurement) Lesson 2; Applications; Final Tests; Reasonableness Problems; Doggie Bag CD Rom**

3.40 estimate and measure results of mass/weight in ounces, pounds, grams, and kilograms **Appetizers 4 D; Main Dish Objective 4 (Measurement) Lesson 4; Applications; Final Tests; Reasonableness Problems; Doggie Bag CD Rom**

3.41 estimate capacity and measure with appropriate units (teaspoons, tablespoons, cups, pints, quarts, gallons, milliliters, and liters)

3.421, 2, 4, 6 select and use appropriate units of measurement according to type and size of unit (read scales of length, temperature, weight, or capacity) **Appetizers 4 C; Main Dish Objective 4 (Measurement) Lesson 3; Applications; Final Tests; Reasonableness Problems; Doggie Bag CD Rom**

3.43 indicate the approximate size of units without using a ruler (e.g., width of little finger as centimeter, first joint of thumb as inch) **Appetizers 4 B; Main Dish Objective 4 (Measurement) Lesson 2; Applications; Final Tests; Reasonableness Problems; Doggie Bag CD Rom**

3.44 estimate, read, and recognize common temperatures in Fahrenheit and Celsius (e.g., body temperature, hot and cold day, freezing and boiling points) **Appetizers 4 C; Main Dish Objective 4 (Measurement) Lesson 3; Applications; Final Tests; Reasonableness Problems; Doggie Bag CD Rom**

3.45^{2, 4, 5, 6, 7, 8} read time to the five minute interval and to the nearest minute using an analog and digital clock and calculate elapsed time **Appetizers 4 A; Main Dish Objective 4 (Measurement) Lesson 1; Applications; Final Tests; Reasonableness Problems; Doggie Bag CD Rom**

3.46 identify equivalent periods of time, including relationships between days, weeks, months, years, as well as seconds, minutes, and hours **Appetizers 4 A; Main Dish Objective 4 (Measurement) Lesson 1; Applications; Final Tests; Reasonableness Problems; Doggie Bag CD Rom**

3.47 read and write amounts of money up to \$100.00

3.48⁴ role-play making change up to \$10.00 **Appetizers 6 C; Main Dish Objective 6 (Addition) Lesson 3; Applications; Final Tests; Reasonableness Problems; Doggie Bag CD Rom**

Computer and Technology

3.49 use appropriate software to practice and master third grade instructional objectives in mathematics **Doggie Bag CD Rom**