

# Grades K-5 Program Content

| Module                      | Grade K – Lessons   | Grade 1 – Lessons   | Grade 2 – Lessons   | Grade 3 – Lessons   | Grade 4 – Lessons  | Grade 5 – Lessons   |  |   |  |   |
|-----------------------------|---|---|---|---|--|---|--|---|--|---|
| 1                           | 1 Creating Sets of Objects<br>2 Creating Sets of Objects to Match Pictures<br>3 Writing Sets of Pictures to Match Numerals<br>4 Creating Sets of Pictures to Match Numerals and Number Names<br>5 Sorting into Two Categories<br>6 Sorting in Many Ways | 1 Representing Quantities 1 to 6<br>2 Representing Quantities 1 to 9<br>3 Writing Numerals 1 to 9<br>4 Matching Representations for 1 to 10<br>5 Recognizing Structured and Non-Structured Arrangements<br>6 Analyzing Teen Numbers               | 7 Representing Teen Numbers<br>8 Writing Teen Numbers<br>9 Comparing Teen Numbers<br>10 Ordering 1 to 19<br>11 Reading Ordinal Number Names<br>12 Matching Ordinal Number Names and Symbols   | 1 Writing Tens and Ones, and Number Names<br>2 Writing Two-Digit Numbers<br>3 Reading and Writing Two-Digit Numbers<br>4 Exploring the Relative Position of Two-Digit Numbers (Number Track)<br>5 Exploring the Relative Position of Two-Digit Numbers (Number Line)<br>6 Working with Two-Digit Numbers on a Number Line | 7 Introducing the Multiplication Symbol<br>8 Reviewing the Array Model of Multiplication<br>9 Doubling and Halving Multiples of 10 and 5<br>10 Introducing the Tens Multiplication Facts<br>11 Introducing the Fives Multiplication Facts<br>12 Reinforcing the Tens and Fives Multiplication Facts      | 7 Comparing and Ordering Six-Digit Numbers<br>8 Rounding Six-Digit Numbers<br>9 Reviewing Multiplication and Addition Patterns<br>10 Using Input-Output Tables<br>11 Working with Number Patterns<br>12 Converting between Customary Units of Measurement   |  |   |  |   |
|                             | 2   | 1 Representing Quantities in Organized Arrangements (Five-Frames)<br>2 Matching Quantities<br>3 Writing Numerals 1 to 6<br>4 Writing Numerals 7 to 10, and 0<br>5 Matching Number Names, Pictures, and Numerals<br>6 Making Yes/No Picture Graphs | 1 Identifying One More and One Less<br>2 Counting in Steps of Two<br>3 Counting On from Five<br>4 Using a Number Track to Count On (to 15)<br>5 Using the Count-On Strategy with Coins<br>6 Using the Count-On Strategy                   | 7 Using the Commutative Property of Addition with Count-On Facts<br>8 Using a Number Track to Count On (to 20)<br>9 Comparing and Ordering Lengths<br>10 Counting Non-Standard Units to Measure Length<br>11 Measuring Length Using the Same Non-Standard Units<br>12 Measuring Length Using Different Non-Standard Units | 1 Working with Addition<br>2 Using the Commutative Property of Addition with Count-On Facts<br>3 Relating Addition and Subtraction Facts (Count-On Facts)<br>4 Working with Count-On Fact Families<br>5 Exploring the Count-On Addition Strategies<br>6 Adding Two-Digit Numbers (Hundred Chart)         | 7 Reviewing the Count-Back Strategy for Subtraction<br>8 Reviewing the Count-On Strategy for Subtraction<br>9 Exploring Written Methods for Subtraction<br>10 Solving Word Problems Involving Addition or Subtraction<br>11 Identifying Prisms<br>12 Identifying and Comparing 3D Objects   | 7 Estimating to Add Decimal Fractions<br>8 Using the Compensation Strategy to Add<br>9 Solving Word Problems Involving Addition and Subtraction<br>10 Reviewing Time Measurement<br>11 Converting Units of Time<br>12 Solving Problems Involving Intervals of Time   |   |  |   |
|                             |   | 3   | 1 Recognizing Quantities by Sight<br>2 Introducing the Number Track<br>3 Exploring the Relative Position of 1 to 10<br>4 Writing Numerals Just Before and Just After (1 to 9)<br>5 Using Spatial Language<br>6 Identifying Left and Right | 1 Naming Groups of Ten<br>2 Writing Tens and Ones (without Zeros)<br>3 Writing Tens and Ones, and Number Names<br>4 Writing Tens and Ones (with Zeros)<br>5 Representing Tens and Ones<br>6 Working with Ten as a Group   | 7 Working with Tens and Ones (Dimes and Pennies)<br>8 Introducing Time on the Hour (Analog Clocks)<br>9 Working with Time on the Hour (Analog Clocks)<br>10 Reading Time on the Hour (Digital Clocks)<br>11 Reading and Writing Analog and Digital Times on the Hour<br>12 Sequencing On-the-Hour Events | 1 Working with Hundreds<br>2 Writing Three-Digit Numbers<br>3 Reading and Representing Three-Digit Numbers<br>4 Writing Three-Digit Number Names<br>5 Writing Three-Digit Numerals<br>6 Identifying Three-Digit Numbers on a Number Line  | 7 Solving Word Problems Involving Multiplication (Two and Four)<br>8 Reviewing Analog and Digital Times to the Nearest Minute<br>9 Relating Times Past and To the Hour<br>10 Reading Times to the Minute in Different Ways<br>11 Measuring Time Intervals in Minutes<br>12 Solving Problems Involving Elapsed Time   | 7 Solving Word Problems Involving Multiplication<br>8 Reviewing Fraction Concepts<br>9 Exploring Improper Fractions (Number Line Model)<br>10 Exploring Improper Fractions (Area Model)<br>11 Reviewing Equivalent Fractions<br>12 Comparing Common Fractions (Length Model)  |  |   |
|                             |   |   | 4   | 1 Generating Quantities that are Greater and Less (1 to 9)<br>2 Identifying Quantities that are Greater and Less (1 to 9)<br>3 Comparing 1 to 10 Represented as Numerals<br>4 Comparing Length<br>5 Comparing and Ordering Length<br>6 Comparing Capacity   | 1 Reviewing Subtraction Language<br>2 Using Subtraction Language<br>3 Working with the Subtraction Symbol<br>4 Writing Related Subtraction Sentences<br>5 Working with Related Subtraction Sentences<br>6 Solving Word Problems Involving Addition and Subtraction                                       | 7 Writing Addition and Subtraction Number Sentences<br>8 Constructing and Interpreting a Tally Chart<br>9 Constructing and Interpreting a Vertical Picture Graph<br>10 Constructing and Interpreting a Horizontal Picture Graph<br>11 Constructing and Interpreting a Horizontal Bar Graph<br>12 Constructing and Interpreting a Vertical Bar Graph   | 1 Exploring the Comparison Model of Subtraction<br>2 Extending the Count-Back Strategy to Two-Digit Numbers<br>3 Subtracting Two-Digit Numbers (Hundred Chart)<br>4 Subtracting Two-Digit Numbers (Number Line)<br>5 Working with the Doubles Addition Strategy<br>6 Relating Addition and Subtraction (Doubles Facts)   | 7 Representing Unit Fractions (Set Model)<br>8 Representing Unit Fractions (Number Line Model)<br>9 Writing Fractions in Words<br>10 Writing Common Fractions<br>11 Relating Fraction Words and Symbols<br>12 Solving Word Problems Involving Fractions   | 7 Rounding Eight- and Nine-Digit Numbers<br>8 Reviewing the Relationship between Multiplication and Division<br>9 Finding Whole-Number Quotients and Remainders<br>10 Using Partitioning and Multiplication to Divide<br>11 Using the Partitioning Strategy to Divide with Remainders<br>12 Solving Division Word Problems with Remainders                           |   |
|                             |   |   |   | 5   | 1 Developing the Concept of Zero<br>2 Representing 0 to 10<br>3 Working with Quantities in Organized Arrangements (Five-Frames)<br>4 Representing Quantities in Organized Arrangements (Ten-Frames)<br>5 Continuing Repeating Patterns<br>6 Continuing Growing Patterns                                  | 1 Writing Doubles Addition Sentences<br>2 Reinforcing the Doubles Facts<br>3 Introducing the Double-Plus-1 Strategy for Addition<br>4 Reinforcing the Double-Plus-1 Strategy for Addition<br>5 Introducing the Double-Plus-2 Strategy for Addition<br>6 Reinforcing the Double-Plus-2 Strategy for Addition   | 7 Comparing Addition Strategies<br>8 Analyzing 2D Shapes<br>9 Sorting 2D Shapes<br>10 Identifying 2D Shapes<br>11 Creating 2D Shapes<br>12 Composing 2D Shapes   | 1 Representing Three-Digit Numbers (with Zeros)<br>2 Representing Three-Digit Numbers (with Tens and Zeros)<br>3 Writing Three-Digit Numbers in Numerals and Words<br>4 Working with Three-Digit Numbers<br>5 Comparing Three-Digit Numbers<br>6 Ordering Three-Digit Numbers   | 7 Reinforcing the Two and Four Division Facts<br>8 Using Divisibility Rules to Identify Odd and Even Numbers<br>9 Exploring Rectangles<br>10 Exploring Rhombuses<br>11 Exploring Rectangles and Rhombuses<br>12 Exploring Trapezoids and Parallelograms  | 7 Adding Common Fractions (Number Line Model)<br>8 Solving Word Problems Involving Fractions<br>9 Identifying Fractions of a Full Turn<br>10 Using a Protractor<br>11 Identifying Acute, Right, and Obtuse Angles<br>12 Estimating and Calculating Angles   |
|                             |   |   |   |   | 6  | 1 Introducing the Addition Concept (Active Stories)<br>2 Adding Two Groups<br>3 Writing Addition Sentences<br>4 Working with Addition<br>5 Comparing Weight<br>6 Introducing the Pan Balance  | 1 Working with Tens and Ones<br>2 Representing Two-Digit Numbers<br>3 Using a Pan Balance to Compare Quantities<br>4 Comparing Quantities (Less than 100)<br>5 Comparing Two-Digit Numbers (Place Value)<br>6 Ordering Two-Digit Numbers   | 7 Working with Place Value on a Hundred Chart<br>8 Skip Counting by Five and Ten<br>9 Skip Counting by Two<br>10 Solving Number Puzzles on a Hundred Chart<br>11 Exploring Repeating Patterns<br>12 Exploring Growing and Shrinking Patterns  | 1 Using the Make-Ten Addition Strategy<br>2 Working with Make-Ten Fact Families<br>3 Extending the Make-Ten Addition Strategy Beyond the Facts (Ten-Frames)<br>4 Extending the Make-Ten Addition Strategy Beyond the Facts (Number Lines)<br>5 Analyzing Addition Patterns (with Bridging)<br>6 Extending the Doubles Addition Strategy (with Bridging)              | 7 Solving Word Problems Involving Multiplication (Eights, Ones, and Zeros)<br>8 Exploring Related Partitions (Length Model)<br>9 Introducing Common Fractions as a Sum of Unit Fractions<br>10 Reinforcing Common Fractions as a Sum of Unit Fractions<br>11 Decomposing Common Fractions (Area Model)<br>12 Solving Word Problems Involving Composing and Decomposing Common Fractions                                     |
| 7                           |   |   |   |   |  | 1 Matching Representations for 14, 16, and 17<br>2 Matching Representations for 19, 18, and 15<br>3 Matching Representations for 13, 12, and 11<br>4 Representing 11 to 20<br>5 Sorting 3D Objects<br>6 Identifying 3D Objects  | 1 Exploring Combinations of Ten<br>2 Using the Associative Property of Addition with Three Whole Numbers<br>3 Introducing the Make-Ten Strategy for Addition<br>4 Using the Make-Ten Strategy for Addition<br>5 Using the Commutative Property of Addition with Make-Ten Facts<br>6 Consolidating Addition Strategies  | 7 Applying Addition Strategies<br>8 Adding Equal Groups<br>9 Solving Addition Word Problems<br>10 Identifying Examples and Non-Examples of One-Half (Length Model)<br>11 Identifying Examples and Non-Examples of One-Fourth (Length Model)<br>12 Consolidating One-Half and One-Fourth (Length Model)  | 1 Writing Numbers to 1,200<br>2 Representing Numbers to 1,200<br>3 Writing Numbers to 1,200 in Numerals and Words<br>4 Working with Place Value of Numbers to 1,200<br>5 Comparing and Ordering Numbers to 1,200 (with Symbols)<br>6 Skip Counting by Two or Five  | 7 Introducing the Ones Division Facts<br>8 Introducing the Zero Division Facts<br>9 Working with Frequency Tables<br>10 Working with Many-to-One Picture Graphs<br>11 Working with Bar Graphs<br>12 Working with Dot Plots  |
|                             | 8   |   |   |   |  | 1 Introducing the Idea of Balance<br>2 Identifying an Unknown Part in Balance Situations<br>3 Identifying Two Parts that Balance a Total<br>4 Developing the Language of Equality<br>5 Identifying and Using 3D Objects<br>6 Sorting 2D Shapes and 3D Objects   | 1 Identifying Parts and Total<br>2 Writing Related Addition and Subtraction Facts<br>3 Writing Fact Families<br>4 Introducing Unknown-Addend Subtraction<br>5 Using Addition to Solve Subtraction Problems<br>6 Working with Addition and Subtraction  | 7 Counting On and Back to Subtract<br>8 Decomposing a Number to Solve Subtraction Problems<br>9 Solving Subtraction Word Problems<br>10 Introducing Time Half-Past the Hour (Analog Clocks)<br>11 Reading and Writing Time Half-Past the Hour (Digital Clocks)<br>12 Relating Analog and Digital Time   | 1 Composing and Decomposing Two-Digit Numbers<br>2 Subtracting One-Digit Numbers from Two-Digit Numbers<br>3 Counting Back to Subtract Two-Digit Numbers<br>4 Relating Addition and Subtraction Beyond the Facts<br>5 Counting On to Calculate the Difference between Two-Digit Numbers<br>6 Consolidating the Count-On Strategy to Subtract Two-Digit Numbers       | 7 Reinforcing the Nines Division Facts<br>8 Exploring Area with Square Units<br>9 Using Multiplication to Calculate Area<br>10 Decomposing Composite Shapes to Calculate Area<br>11 Exploring the Perimeter of Irregular Polygons<br>12 Solving Word Problems Involving Perimeter   |
|                             |   | 9   |   |   |  | 1 Writing Addition Sentences (with Symbols)<br>2 Using the Commutative Property of Addition<br>3 Introducing the "Think Big, Count Small" Idea<br>4 Identifying Two Parts that Total Ten<br>5 Analyzing Attributes of 2D Shapes<br>6 Identifying 2D Shapes  | 1 Balancing Number Sentences (Two Addends)<br>2 Balancing Number Sentences (More Than Two Addends)<br>3 Working with Equality<br>4 Representing Word Problems<br>5 Working with Inequality<br>6 Introducing Comparison Symbols   | 7 Recording Results of Comparisons (with Symbols)<br>8 Comparing Two-Digit Numbers (with Symbols)<br>9 Identifying Examples and Non-Examples of One-Half (Area Model)<br>10 Identifying Examples and Non-Examples of One-Fourth (Area Model)<br>11 Consolidating One-Half and One-Fourth (Area Model)<br>12 Representing One-Half and One-Fourth (Area Model) | 1 Identifying Nearby Multiples of Ten<br>2 Estimating Answers (Adding within 100)<br>3 Estimating Answers (Subtracting within 100)<br>4 Using the Associative Property of Addition with Three One- and Two-Digit Numbers<br>5 Using the Associative Property of Addition with Four One- and Two-Digit Numbers<br>6 Solving Word Problems                             | 7 Solving Multiplication and Division Problems with Strip Diagrams<br>8 Introducing the Sixes and Last Division Facts<br>9 Reinforcing the Sixes and Last Division Facts<br>10 Identifying Equivalent Fractions (Area Model)<br>11 Using an Area Model to Compare Fractions (Same Denominators)<br>12 Using a Length Model to Compare Fractions (Same Numerators)   |
|                             |   |   | 10  |   |  | 1 Analyzing Teen Numbers<br>2 Working with Teen Numbers<br>3 Generating Quantities that are One More or One Less (1 to 20)<br>4 Writing Numbers that are One More and One Less (1 to 20)<br>5 Drawing 2D Shapes<br>6 Creating 2D Shapes   | 1 Extending the Count-On Strategy Beyond the Facts<br>2 Exploring Addition Patterns<br>3 Counting Multiples of 10<br>4 Adding Multiples of 10<br>5 Adding a One-Digit Number and a Multiple of 10<br>6 Extending the Count-Back Strategy Beyond the Facts  | 7 Exploring Subtraction Patterns<br>8 Counting Back Multiples of 10<br>9 Identifying and Sorting 3D Objects<br>10 Analyzing 3D Objects<br>11 Creating 3D Objects<br>12 Joining 3D Objects   | 1 Extending the Count-On Strategy to Three-Digit Numbers<br>2 Adding Two- and Three-Digit Numbers<br>3 Adding Three-Digit Numbers<br>4 Composing Three-Digit Numbers<br>5 Adding One- and Three-Digit Numbers (with Bridging)<br>6 Adding Two- and Three-Digit Numbers (with Bridging)   | 7 Identifying Equivalent Fractions (Number Line Model)<br>8 Exploring Equivalent Fractions (Number Line Model)<br>9 Using a Number Line Model to Compare Fractions (Same Denominators)<br>10 Using a Number Line Model to Compare Unit Fractions (Related and Unrelated Denominators)<br>11 Using a Number Line Model to Compare Fractions (Same Numerators)<br>12 Solving Word Problems Involving Fractions (Number Lines) |
|                             |   |   |   | 11  |  | 1 Introducing the Subtraction Concept (Active Stories)<br>2 Representing Subtraction Situations<br>3 Writing Subtraction Sentences<br>4 Writing Subtraction Sentences (with Symbols)<br>5 Identifying Coins<br>6 Working with Pennies   | 1 Adding Multiples of 10 Cents<br>2 Using the Count-On Strategy (Hundred Chart) to Add One- and Two-Digit Numbers<br>3 Adding a Two-Digit Number and Any Multiple of 10<br>4 Using the Count-On Strategy (Hundred Chart) to Add Two-Digit Numbers<br>5 Adding Place Value (Base-10 Blocks) to Add Two-Digit Numbers<br>6 Subtracting Multiples of 10 from Any Multiple of 10 | 7 Subtracting Multiples of 10 from Any Two-Digit Numbers<br>8 Solving Word Problems Involving Addition and Subtraction<br>9 Relating Dimes and Pennies<br>10 Relating All Coins<br>11 Determining the Value of a Collection of Coins<br>12 Paying with Coins  | 1 Extending the Count-Back Strategy to Three-Digit Numbers<br>2 Subtracting Two-Digit Numbers from Three-Digit Numbers (with Bridging)<br>3 Subtracting Three-Digit Numbers<br>4 Consolidating Subtraction of Two- and Three-Digit Numbers<br>5 Using the Standard Subtraction Algorithm (Decomposing Tens in Three-Digit Numbers)<br>6 Solving Subtraction Problems | 7 Reinforcing the Associative and Commutative Properties of Multiplication<br>8 Solving Word Problems Involving Multiplication of One- and Two-Digit Numbers<br>9 Working with Cents<br>10 Working with Dollars and Cents<br>11 Working with Coins<br>12 Comparing Amounts of Money   |
|                             |   |   |   |   | 12   | 1 Interpreting Addition and Subtraction Word Problems<br>2 Solving Addition and Subtraction Word Problems (Acting Out)<br>3 Solving Addition and Subtraction Word Problems (Drawing Pictures)<br>4 Solving Addition and Subtraction Word Problems (Number Sentences)<br>5 Discussing Short and Long Time Durations<br>6 Ordering the Days of the Week | 1 Analyzing 100<br>2 Writing Three-Digit Numbers to 130 (without Tens)<br>3 Writing Three-Digit Numbers to 130 (with Tens)<br>4 Writing Numerals and Number Names to 130 (without Tens)<br>5 Writing Three-Digit Numbers to 130 (with Tens)<br>6 Writing Numerals and Number Names to 130 (with Tens)  | 7 Writing Three-Digit Numbers to 130<br>8 Exploring the Counting Sequence to 130<br>9 Comparing and Ordering Quantities Greater Than 100<br>10 Exploring Capacity<br>11 Working with Capacity<br>12 Exploring Mass  | 1 Consolidating Subtraction of Three-Digit Numbers (with Bridging)<br>2 Consolidating Subtraction of Two- and Three-Digit Numbers (with Bridging)<br>3 Introducing Pounds<br>4 Introducing Kilograms<br>5 Introducing Cups, Pints, and Quarts<br>6 Introducing Liters  | 7 Reviewing Pounds and Introducing Ounces<br>8 Reviewing Kilograms and Working with Parts of a Kilogram<br>9 Building a Picture of Grams<br>10 Reviewing Cups, Pints, and Quarts<br>11 Introducing Gallons<br>12 Reviewing Liters and Introducing Milliliters   |
| Personal Financial Literacy |   |   |   |   |  | 1 Identifying Ways to Earn Income<br>2 Distinguishing between Money Earned as Income and Money Received as a Gift<br>3 Identifying Simple Skills for Jobs<br>4 Distinguishing between Wants and Needs   | 1 Earning an Income<br>2 Using Income to Purchase Goods and Services<br>3 Deciding Whether to Spend or Save<br>4 Giving Money to Charities   | 1 Calculating Money Saved Over Time<br>2 Distinguishing between Deposits and Withdrawals<br>3 Identifying Producers and Consumers<br>4 Calculating the Cost to Produce an Item<br>5 Investigating Borrowing and Lending   | 1 Making the Connection between Labor and Income<br>2 Exploring the Availability or Scarcity of Items<br>3 Investigating Credit and Interest<br>4 Identifying Planned and Unplanned Spending<br>5 Making Decisions Involving Income, Spending, Saving, Credit, and Giving  | 1 Exploring the Difference between Fixed and Variable Expenses<br>2 Calculating Profit<br>3 Comparing Savings Options<br>4 Splitting an Allowance between Spending, Saving, and Giving<br>5 Investigating the Purposes of Financial Institutions  |



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