Math Content: Grade 2

Lesson 1	Introduction to Addition and Subtraction
Lesson 2	Addition and Subtraction
Lesson 3	Addition
Lesson 4	Concepts of Addition
Review 1	Review of Lesson 1, 2, 3, and 4
Lesson 5	Subtraction
Lesson 6	Concepts of Subtraction
Lesson 7	Learn Place Value up to 100 Part I
Lesson 8	Learn Place Value up to 100 Part II
Review 2	Review of Lesson 5, 6, 7, and 8
Lesson 9	Counting Money Part I
Lesson 10	Counting Money Part II
Lesson 11	Exploring Mental Addition
Lesson 12	Exploring Mental Subtraction
Review 3	Review of Lesson 9, 10, 11, and 12
Lesson 13	Two-Digit Number Addition
Lesson 14	Use of Addition and Subtraction
Lesson 15	Introduction to Geometry Part I
Lesson 16	Introduction to Geometry Part II
Review 4	Review of Lesson 13, 14, 15, and 16
Lesson 17	Understanding Fractions
Lesson 18	Measurement: Length, Area, and Perimeter
Lesson 19	Measurement: Weight and Capacity
Lesson 20	Understand Time and Temperature Part I
Review 5	Review of Lesson 17, 18, 19, and 20
Lesson 21	Understand Time and Temperature Part II
Lesson 22	Probability, Data, and Graphs
Lesson 23	Understanding Patterns and Numbers to 1,000 Part I
Lesson 24	Understanding Patterns and Numbers to 1,000 Part II
Review 6	Review of Lesson 21, 22, 23, and 24
Lesson 25	Three-Digit Addition and Subtraction

Lesson 26 Introducing Multiplication

Lesson 27 Introducing Division

Review of Lesson 1 to 14

Review of Lesson 15 to 27

Lesson 1: Introduction to Addition and Subtraction

Unit 1.1 Addition Sentences
Unit 1.2 Addition Stories
Unit 1.3 Subtraction Sentences
Unit 1.4 Subtractions by Separating
Unit 1.5 Making Comparisons
Unit 1.6 Math Challenges

Lesson 2: Addition and Subtraction

Unit 2.1 Connecting Adding and Subtracting
Unit 2.2 Inverse Relation of Addition to Subtraction
Unit 2.3 Inverse Relation of Subtraction to Addition
Unit 2.4 Balance Equation of Addition and Subtraction
Unit 2.5 Using Objects in Problem Solving
Unit 2.6 Math Challenges

Lesson 3: Addition

Unit 3.1 Addition
Unit 3.2 Single Digit Number Addition
Unit 3.3 Adding Objects
Unit 3.4 Doubling Numbers
Unit 3.5 Using Near Doubles
Unit 3.6 Order in Addition
Unit 3.7 Math Challenges

Lesson 4: Concepts of Addition

Unit 4.1 Add 9
Unit 4.2 Add 8
Unit 4.3 Adding Three One-Digit Numbers
Unit 4.4 Using Numbers to Solve Addition Sentences
Unit 4.5 Balance Addition Equations
Unit 4.6 Math Challenges

Review of Lesson 1, 2, 3, and 4

Lesson 5: Subtraction

Unit 5.1 Subtraction
Unit 5.2 Subtracting One-Digit Numbers
Unit 5.3 Using Subtraction to Check Addition
Unit 5.4 Using Addition to Check Subtraction
Unit 5.5 Subtraction Sentences Using Pictures
Unit 5.6 Math Challenges

Lesson 6: Concepts of Subtraction

Unit 6.1 Using Addition Double to Help You Subtract
Unit 6.2 Using Addition Facts to Help You Subtract
Unit 6.3 Using Addition Facts to Help You Subtract
Unit 6.4 Use Subtraction to Find the Missing Part
Unit 6.5 Balance Subtraction Equation
Unit 6.6 Complete Subtraction Sentences
Unit 6.7 Two Questions Problem Solving
Unit 6.8 Math Challenges

Lesson 7: Learn Place Value upto 100 Part I

Unit 7.1 Place Value Models
Unit 7.2 Place Value Models for Tens
Unit 7.3 Numbers Using Place Value Models
Unit 7.4 Compare Numbers Using Models
Unit 7.5 Compare Numbers Using Symbols
Unit 7.6 Numbers: Before, After, and in Between
Unit 7.7 Math Challenges

Lesson 8: Learn Place Value upto 100 Part II

Unit 8.1 Identifying Number Pattern on a Hundred Chart
Unit 8.2 Understanding Number Order
Unit 8.3 Even and Odd Numbers
Unit 8.4 Identify Digits in Tens and Ones Place
Unit 8.5 Regroup Tens and Ones
Unit 8.6 Place Value in Addition
Unit 8.7 Using Data from a Chart
Unit 8.8 Math Challenges
Review of Lesson5, 6, 7, and 8

Lesson 9: Counting Money Part I

Unit 9.1 Identify the Values and Names of Coins
Unit 9.2 Count Dimes, Nickels, and Pennies
Unit 9.3 Count Quarters and Half-Dollars
Unit 9.4 Count Group of Different Coins
Unit 9.5 Converting Cents to Dollars
Unit 9.6 Math Challenges

Lesson 10: Counting Money Part II

Unit 10.1 Dollars to Cents Conversion
Unit 10.2 Different Ways to Make the Same Amount
Unit 10.3 Using Least Number of Coins
Unit 10.4 Using One Dollar
Unit 10.5 Amounts of Change from Purchase
Unit 10.6 Solving Story Problems
Unit 10.7 Math Challenges

Lesson 11: Exploring Mental Addition

Unit 11.1 Add by Tens
Unit 11.2 Add by Ones
Unit 11.3 Add by Tens and by Ones
Unit 11.4 How to Use a Hundred Chart
Unit 11.5 Add Numbers Ending in Zero
Unit 11.6 Looking for Pattern in Problem Solving
Unit 11.7 Math Challenges

Lesson 12: Exploring Mental Subtraction

Unit 12.1 How to Subtract by Tens
Unit 12.2 Make One Hundred
Unit 12.3 Using the Hundred Chart to Subtract
Unit 12.4 Use Addition to Subtraction
Unit 12.5 Subtracting Multiples of 10
Unit 12.6 Solving Problems
Unit 12.7 Math Challenges
Review of Lesson 9, 10, 11, and 12

Lesson 13: Two-Digit Number Addition

Unit 13.1 Using Regrouping in Addition
Unit 13.2 Models for One-Digit Number Addition
Unit 13.3 Add One-Digit and Two-Digit Numbers

Unit 13.4 Modeling Adding Two-Digit Numbers
Unit 13.5 Adding Two-Digit Numbers
Unit 13.6 Complete Addition Sentences
Unit 13.7 Add Vertically and Horizontally
Unit 13.8 Three Number Additions
Unit 13.9 Use Pictures and Write Number Sentences in Problem Solving
Unit 13.10 Math Challenges

Lesson 14: Use of Addition and Subtraction

Unit 14.1 Adding Money
Unit 14.2 Estimate the sums
Unit 14.3 Exploring Ways to Add
Unit 14.4 Subtracting Money
Unit 14.5 Estimate the Differences
Unit 14.6 Identifying Ways to Subtract
Unit 14.7 Guess and Try, Checking, and Revising in Problem Solving
Unit 14.8 Math Challenges

Lesson 15: Introduction to Geometry Part I

Unit 15.1 Introducing Vertices, Edges, and Faces
Unit 15.2 Identifying Plane Shapes
Unit 15.3 Identifying Solid Figures
Unit 15.4 Identify 2 and 3 Dimensional Shape and Solids
Unit 15.5 Connecting Plane Shapes to Solid Figures
Unit 15.6 Connecting Shapes
Unit 15.7 Math Challenges

Lesson 16: Introduction to Geometry Part II

Unit 16.1 Cutting Shapes Apart in Geometry
Unit 16.2 Identifying Congruence
Unit 16.3 Slide, Rotate, and Flip Shape
Unit 16.4 Identifying Symmetry
Unit 16.5 Using Reasoning in Problem Solving
Unit 16.6 Math Challenges
Review of Lesson 13, 14, 15, and 16

Lesson 17: Understanding Fractions

Unit 17.1 Parts of a Whole
Unit 17.2 Unit Fractions
Unit 17.3 Non-Unit Fractions

Unit 17.4 Estimate the Fraction of a Whole
Unit 17.5 Find the Fractions in a Group
Unit 17.6 Use Fractions to Solve Problems
Unit 17.7 Ordering and Comparing Fractions
Unit 17.8 Math Challenges

Lesson 18: Measurement: Length, Area, and Perimeter

Unit 18.1 Attributes of Measurement
Unit 18.2 Measure Length
Unit 18.3 Measure Length: Use Non-Standard Unit
Unit 18.4 Use Inches, Feet, and Yards to Measure Length
Unit 18.5 Use Centimeters and Meters in Measure Length
Unit 18.6 Compare and Convert Meter, Centimeter, and Millimeter
Unit 18.7 Perimeter
Unit 18.8 Area
Unit 18.9 Using Objects in Problem Solving
Unit 18.10 Math Challenges

Lesson 19: Measurement: Weight and Capacity

Unit 19.1 Measuring Capacity
Unit 19.2 Understanding Cups, Pints, and Quarts
Unit 19.3 Compare and Convert Cups, Pints, and Quarts
Unit 19.4 Understanding Liter and Milliliter
Unit 19.5 Compare and Convert Liter and Milliliter
Unit 19.6 Measuring Weight
Unit 19.7 Understanding Pounds and Ounces
Unit 19.8 Compare and Convert Pounds and Ounces
Unit 19.9 Understanding Grams and Kilograms
Unit 19.10 Compare and Convert Grams and Kilograms
Unit 19.11 Using Objects in Problem Solving
Unit 19.12 Math Challenges

Lesson 20: Understand Time and Temperature Part I

Unit 20.1 Time Related Words
Unit 20.2 Hour, Half-hour, and Quarter-hour
Unit 20.3 Tell Time to Nearest Hour, Half-hour, and Quarter-hour
Unit 20.4 Tell Time at Five Minute Intervals
Unit 20.5 Time Before and After the Hour
Unit 20.6 Math Challenges
Review of Lesson 17, 18, 19, and 20

Lesson 21: Understand Time and Temperature Part II

Unit 21.1 Estimate Elapsed Time
Unit 21.2 Read the Calendar
Unit 21.3 Read Temperature in Fahrenheit and Celsius
Unit 21.4 Relate Time Units
Unit 21.5 Problem Solving
Unit 21.6 Math Challenges

Lesson 22: Probability, Data, and Graphs

Unit 22.1 Data and Graphing Data
Unit 22.2 Interpret Pictographs
Unit 22.3 Use Bar Graphs
Unit 22.4 Explore Coordinate Graphs
Unit 22.5 Likely and Unlikely Events
Unit 22.6 Identifying Certain, Probable, and Impossible Events
Unit 22.7 Using Data in Problem Solving
Unit 22.8 Find Median, Mode, and Range
Unit 22.9 Math Challenges

Lesson 23: Understanding Patterns and Numbers to 1,000 Part I

Unit 23.1 Read and Write Numbers to 1,000
Unit 23.2 Count by Hundreds, Tens, and Ones
Unit 23.3 Reading and Writing Numbers to 1,000
Unit 23.4 Change the Numbers by Tens and Hundreds
Unit 23.5 Identify Number Patterns on Hundred Chart
Unit 23.6 Numbers Comparison
Unit 23.7 Math Challenges

Lesson 24: Understanding Patterns and Numbers to 1,000 Part II

Unit 24.1 Numbers: Before, After, And in Between
Unit 24.2 Order of Numbers
Unit 24.3 Skip Counting
Unit 24.4 Estimating and Rounding to Nearest 10
Unit 24.5 Estimating Sum of Two Numbers
Unit 24.6 Looking for Patterns in Problem Solving
Unit 24.7 Math Challenges
Review of Lesson 21, 22, 23, and 24

Lesson 25: Three-Digit Addition and Subtraction

Unit 25.1 Using Mental Math
Unit 25.2 How to Estimate Sums
Unit 25.3 Using Models for Three-Digit Number Addition
Unit 25.4 Exploring Adding Three-Digit Numbers
Unit 25.5 Finding Missing Parts Using Mental Math
Unit 25.6 Estimate the Differences
Unit25.7 Identifying Models for Subtraction
Unit 25.8 Subtraction Using Three-Digit Numbers
Unit 25.9 Compare Addition and Subtraction Sentences
Unit 25.10 Balance Addition and Subtraction Sentences
Unit 25.11 Making Graphs in Solving Problems
Unit 25.12 Math Challenges

Lesson 26: Introducing Multiplication

Unit 26.1 Understanding Multiplication as Repeated Addition
Unit 26.2 Multiplication Facts of 0 to 2
Unit 26.3 Multiplication Facts of 3 to 5
Unit 26.4 How to Build Arrays
Unit 26.5 Stories of Multiplication
Unit 26.6 Vertical Form of Multiplication
Unit 26.7 Exploring Multiplication in any Order
Unit 26.8 Multiplication by Using Number Line
Unit 26.9 Draw Pictures and Write Multiplication Sentences
Unit 26.10 Math Challenges

Lesson 27: Introducing Division

Unit 27.1 Understanding Division as Sharing
Unit 27.2 Understanding Division as Repeated Subtraction
Unit 27.3 Stories Using Division
Unit 27.4 Division by Using a Number Line
Unit 27.5 Divisors and Quotients
Unit 27.6 Relating Multiplication and Division
Unit 27.7 Make a Table and Look for a Pattern
Unit 27.8 Math Challenges
Review of Lesson 1 to 14
Review of Lesson 15 to 27