

# Program Table of Contents

## GRADE 4

### Unit 1: Math is ...

#### 10 Days

- 1-1 Math is Mine
- 1-2 Math is Exploring and Thinking
- 1-3 Math is in My World
- 1-4 Math is Explaining and Sharing
- 1-5 Math is Finding Patterns
- 1-6 Math is Ours

### Unit 2: Generalize Place-Value Structure

#### 8 Days

- 2-1 Understand the Structure of Multi-Digit Numbers
- 2-2 Read and Write Numbers to One Million
- 2-3 Compare and Order Multi-Digit Numbers
- 2-4 Round Multi-Digit Numbers

### Unit 3: Multiplication Facts to 144 and Related Division Facts

#### 9 Days

- 3-1 Multiplication and Division Facts with 2, 5, 10
- 3-2 Multiplication and Division Facts with 3, 6, 4, 8
- 3-3 Multiplication and Division Facts with 7 and 9
- 3-4 Multiplication and Division within 144
- 3-5 True Equations

### Unit 4: Multiplication as Comparison

#### 8 Days

- 4-1 Explore Comparing with Multiplication
- 4-2 Represent Comparison Problems
- 4-3 Solve Comparison Problems Using Multiplication
- 4-4 Solve Comparison Problems Using Division

### Unit 5: Numbers and Number Patterns

#### 10 Days

- 5-1 Explore Prime and Composite Numbers with Factor Pairs
- 5-2 Determine Factor Pairs
- 5-3 Generate a Pattern
- 5-4 Describe and Extend Numerical Patterns

### Unit 6: Multiplication Strategies with Multi-Digit Numbers

#### 13 Days

- 6-1 Estimate Products of Multi-Digit Factors
- 6-2 Multiply Multi-Digit by 1-Digit Factors
- 6-3 Use the Distributive Property to Multiply
- 6-4 Multiply Two Multiples of 10
- 6-5 Multiply Two 2-Digit Factors

- 6-6 Multiply 3-Digit by 2-Digit Factors
- 6-7 Use an Algorithm to Multiply
- 6-8 Use an Algorithm to Multiply Two 2-Digit Factors 6-9 Solve Two-Step Problems Involving Multiplication

### Unit 7: Division Strategies with Multi-Digit Dividends and 1-Digit Divisors

#### 12 Days

- 7-1 Estimate Quotients of Multi-Digit Dividends
- 7-2 Relate Multiplication and Division of Multi-Digit Numbers
- 7-3 Divide 3-Digit Dividends by 1-Digit Divisors
- 7-4 Divide 4-Digit Dividends by 1-Digit Divisors
- 7-5 Explore Remainders
- 7-6 Remainders as Fractions
- 7-7 Make Sense of a Remainder
- 7-8 Solve Two-Step Problems Involving Division

### Unit 8: Fraction Equivalence

#### 9 Days

- 8-1 Explore Equivalent Fractions
- 8-2 Generate Equivalent Fractions Using Models
- 8-3 Generate Equivalent Fractions Using Number Lines

8-4 Compare Fractions and Mixed Numbers Using Benchmarks

8-5 Other Ways to Compare Fractions and Mixed Numbers

8-6 Order Fractions and Mixed Numbers

### Unit 9: Addition and Subtraction Meanings and Strategies with Fractions 10 Days

9-1 Decompose Fractions

9-2 Represent Adding Fractions with Like Denominators

9-3 Add Fractions with Like Denominators

9-4 Represent Subtracting Fractions with Like Denominators

9-5 Subtract Fractions with Like Denominators

9-6 Solve Problems Involving Fractions

### Unit 10: Addition and Subtraction Strategies with Mixed Numbers

#### 10 Days

10-1 Decompose Mixed Numbers

10-2 Represent Adding Mixed Numbers

10-3 Add Mixed Numbers

10-4 Represent Subtracting Mixed Numbers

10-5 Subtract Mixed Numbers

10-6 Solve Problems Involving Mixed Numbers

### Unit 11: Multiply Fractions and Whole Numbers 10 Days

11-1 Explore Multiplying a Unit Fraction By a Whole Number

11-2 Explore Multiplying a Fraction By a Whole Number

11-3 Multiply a Fraction By a Whole Number

11-4 Explore Multiplying a Whole Number By a Fraction

11-5 Multiply a Whole Number By a Fraction

11-6 Solve Problems Involving Multiplying Whole Numbers and Fractions

### Unit 12: Decimal Fractions

#### 15 Days

12-1 Explore Tenths and Hundredths

12-2 Explore Adding Tenths and Hundredths

12-3 Explore Decimal Notation

12-4 Compare and Order Decimals

12-5 One-Tenth More or Less

12-6 One-Hundredth More or Less

12-7 Explore Addition of Multi-Digit Numbers with Decimals

12-8 Explore Subtraction of Multi-Digit Numbers with Decimals

12-9 Solve Problems Involving Money

### Unit 13: Data

#### 10 Days

13-1 Data Displays for Numerical Data

13-2 More Data Displays for Numerical Data

13-3 Determine Mode and Range of Data Sets

13-4 Determine Median of Data Sets

13-5 Solve Problems Involving Numerical Data

13-6 Solve More Problems Involving Numerical Data

### Unit 14: Geometric Figures

#### 17 Days

14-1 Solve Problems Involving Perimeter

14-2 Solve Problems Involving Area

14-3 Solve Problems Involving Perimeter and Area

14-4 Solve Problems Involving Same Perimeter and Different Areas

4-5 Solve Problems Involving Different Perimeters and Same Area

14-6 Explore Angles

14-7 Classify Angles

14-8 Draw and Measure Angles

14-9 Estimate Angle Measurements

14-10 Classify Angles in Polygons

14-11 Add and Subtract Angle Measures

14-12 Solve Problems Involving Unknown Angle Measures

## Unit 15: Measurement

### 15 Days

- 15-1 Select Tools and Units to Measure Attributes
- 15-2 Relate Metric Units

- 15-3 Relate Customary Units of Length and Weight
- 15-4 Relate Customary Units of Liquid Volume
- 15-5 Convert Units of Time

- 15-6 Solve Problems Involving Units of Measure
- 15-7 Solve More Problems Involving Units of Measure

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### Unit 1: Math is...

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### Unit 2 Volume

- 2-1 Explore Volume
- 2-2 Use Unit Cubes to Determine Volume
- 2-3 Use Formulas to Determine Volume
- 2-4 Determine Volume of Composite Figures
- 2-5 Solve Problems Involving Volume

### Unit 3 Place Value and Number Relationships

- 3-1 Understand the Structure of Multi-Digit Numbers
- 3-2 Generalize Place Value
- 3-3 Extend Place Value to Decimals
- 3-4 Read and Write Decimals
- 3-5 Compose and Decompose Multi-digit Number with Decimals

- 3-6 Compare and Order Multi-Digit Numbers with Decimals
- 3-7 Use Place Value to Round Multi-Digit Numbers with Decimals

### Unit 4: Operations with Multi-Digit Numbers with Decimal

- 4-1 Explore Decimal Notation
- 4-2 Compare and Order Decimals
- 4-3 One-Tenth More or Less
- 4-4 One-Hundredth More or Less
- 4-5 Explore Addition of Multi-digit Numbers with Decimals
- 4-6 Explore Subtraction of Multi-digit Numbers with Decimals
- 4-7 Estimate Sums and Differences of Decimals
- 4-8 Decompose to Add Decimals
- 4-9 Use Partial Sums to Add Decimals
- 4-10 Use an Algorithm to Add Decimals
- 4-11 Decompose to Subtract Decimals

- 4-12 Use Related Addition to Subtract Decimals
- 4-13 Use an Algorithm to Subtract Decimals
- 4-14 Solve Problems Involving Money

### Unit 5: Multiplication as Comparison

- 5-1 Explore Comparing with Multiplication
- 5-2 Represent Comparison Problems
- 5-3 Solve Comparison Problems Using Multiplication
- 5-4 Solve Comparison Problems Using Division

### Unit 6: Multiply Multi-Digit Whole Numbers

- 6-1 Estimate Products of Multi-Digit Factors
- 6-2 Relate Partial Products to an Algorithm
- 6-3 Use an Algorithm to Multiply
- 6-4 Use an Algorithm to Multiply Two-Digit Factors
- 6-5 Use Partial Products to Multiply Multi-Digit Factors