



# Perceptions Blue

## SCOPE & SEQUENCE

### for Multiplication, Division, and Fractions

#### **Unit 1 - Understanding Multiplication and Division**

Lesson 1: Multiplication: Repeated Addition, Making Rectangles and Squares

Lesson 2: Factors and Products

Lesson 3: Beginning Factoring

Lesson 4: Factoring and Prime & Composite Numbers

Lesson 5: Beginning Division

Lesson 6: Solving for Unknowns

#### **Unit 2 - Multi-Digit Multiplication and Division**

Lesson 7: Distributive Property and Place-Value Notation (Expanded Form)

Lesson 8: Two-Digit Multiplication

Lesson 9: Two-Digit Multiplication with Regrouping

Lesson 10: Long Division

Lesson 11: Division with Remainders

Lesson 12: Multi-Digit Multiplication

Lesson 13: Multi-Digit Division

#### **Unit 3 - Introduction to Fractions**

Lesson 14: Interrelationships: Combine & Compare

Lesson 15: Rational Numbers: Ratios & Fractions

Lesson 16: Parts of a Fraction and Fraction of a Number

Lesson 17: Types of Fractions and Comparing/Combining Fractions

Lesson 18: Add & Subtract Fractions with Same Denominators & Decomposing Fractions

Lesson 19: Equivalent Fractions

Lesson 20: Finding Equivalencies, Simplifying, and GCF

#### **Unit 4 – Operations with Fractions Part 1**

Lesson 21: Adding and Subtracting Fractions

Lesson 22: Cross-Multiplication (Concrete)

Lesson 23: Cross-Multiplication (Abstract)

Lesson 24: Changing Improper Fractions & Mixed Numbers

Lesson 25: Addition with Improper Fractions & Mixed Numbers

Lesson 26: Subtraction with Improper Fractions & Mixed Numbers

Lesson 27: Adding Multiple Fractions

#### **Unit 5 – Operations with Fractions Part 2**

Lesson 28: Multiplication with Fractions

Lesson 29: Division with Fractions

Lesson 30: Division with Fractions Using the Reciprocal

Lesson 31: Canceling (Pre-reducing) when Multiplying Fractions

Lesson 32: Solving for Unknowns in Fractions

Lesson 33: Solving for Unknowns **(Optional)**



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800-745-8212