

Number Sense Videos

Whole Numbers	Fractions	Decimals
Factors, LCM, and GCF of Whole Numbers	Fraction Models and Equivalent Fractions	Decimal Models
Ex 1: Determine the Least Common Multiple Using a Fraction Wall or Rods Ex 2: Determine the Least Common Multiple Using a Fraction Wall or Rods Ex: Determine Factors and Greatest Common Factor Using a Fraction Wall or Rods	Introduction to the Meaning of a Fraction Determine the Value of Fraction Pieces Draw Models of Fractions and Explain the Meaning of the Fraction Identify Fractions Using Pattern Blocks Draw Models of Fractions and Explain the Meaning of the Fraction Plot Fractions on the Number Line Determine the Fractional Value of Cuisenaire Rods Given a Unit Train	Ex: Decimal Grid, Fraction, and Expanded Form for a Given Decimal Words Ex: Decimal Grid, Fraction, and Expanded Form for a Given Decimal Notation Ex 1: Write Fraction as a Decimal and Percent using Decimal Grid Model Ex 2: Write Fraction as a Decimal and Percent using Decimal Grid Model
Addition and Subtraction of Whole Numbers	Ex: Equivalent Fractions Using a Fractions Wall Ex: Comparing Fractions Using a Fraction Wall Use Pattern Blocks to Determine Fraction Values Given the Unit Determine the Length of a Unit Given a Fractional Length Determine the Height of a Tower Given a Fractional Height of a Tower	Addition and Subtraction of Decimals
Model Addition of Two Digit Whole Numbers Using Base Ten Blocks Model Addition of Three Digit Whole Numbers Using Base Ten Blocks Model Subtraction of Two Digit Whole Numbers Using Base Ten Blocks Model Subtraction of Three Digit Whole Numbers Using Base Ten Blocks	Compare Parts of a Chocolate Bar to Different Units Describing the Meaning of a Fraction Modeling Equivalent Fractions and Recognizing a Simplified Fraction Pizza Scenario - Comparing Fractions with the Same Numerators Pizza Scenario - Comparing Fractions with the Same Denominators Comparing Fractions with the Same Numerators Or Same Denominators - No LCD (A) Comparing Fractions with the Same Numerators Or Same Denominators - No LCD (B) Pizza Scenario - Comparing Fractions with the Different Denominators Determine a Least Common Denominator and Equivalent Fractions	Ex 1: Find the Sum of Two Decimals Using Base Ten Blocks Ex 2: Find the Sum of Two Decimals Using Base Ten Blocks Ex 1: Find the Difference of Two Decimals Using Base Ten Blocks Ex 2: Find the Difference of Two Decimals Using Base Ten Blocks
Multiplication and Division of Whole Numbers	Determine the Numerator to Make Equivalent Fractions Use Pattern Blocks to Determine Fraction Values Given a Nonstandard Unit	Multiplication and Division of Decimals
Ex 1: Multiplying Whole Numbers with Base 10 Blocks Using Area Ex 2: Multiplying Whole Numbers with Base 10 Blocks Using Area Ex 1: Stick Multiplication (2 digit) Ex 2: Stick Multiplication (3 digit) Ex 1: Stick Multiplication and Partial Products (2 digit) Ex 2: Stick Multiplication and Partial Products (3 digit) Lattice Multiplication - Whole Number Multiplication Multiplying Whole Numbers Using Area and Partial Products Division of Whole Numbers using Area (No Remainder) Division of Whole Numbers using Area (With Remainder) Division of Whole Numbers Involving Zero using Area Partial Quotients - Dividing Whole Numbers	Ex: Determine the Product of a Whole Number and Decimal using Base Ten Blocks Ex: Determine the Product of Two Decimals Using Base Ten Blocks (1 digit) Ex: Determine the Quotient of a Whole Number and Decimal using Base Ten Blocks Ex: Determine the Quotient of Two Decimals Using Base Ten Blocks (1 digit)	
		Distribution
		Ex: Model Distribution with Algebra Tiles Ex: Model the Product of Two Binomials Using Algebra Tiles

<p>Additive and Multiplicative Reasoning</p> <p>Additive and Multiplicative Reason - The Tree Problem Additive and Multiplicative Reason - The Broomstick Problem Additive Reasoning - Running Laps Multiplicative Reasoning - Comparing Savings Accounts</p> <p>Integers</p> <p>Addition and Subtraction Integers</p> <p>Adding Integers with the Same Sign Using Color Counters Adding Integers with Different Signs Using Color Counters Adding Integers Using a Number Line Adding Integers Using the Money Analogy Subtracting Integers with Color Counters (No Extra Zeros Needed) Subtracting Integers with Color Counters (Extra Zeros Needed)</p> <p>Multiplying and Dividing Integers</p> <p>Multiplying Integers Using Two Color Counters (No Zeros Needed) Multiplying Integers Using Two Color Counters (Zeros Needed) Discover the Rules for Multiplying Integers by Analyzing Patterns Discover the Rules of Multiplying Integers Using Opposites and The Commutative Property</p>	<p>Addition and Subtraction of Fractions</p> <p>Determine the Sum of Fractions Using Pattern Blocks (Nonstandard Unit) Determine the Difference of Fractions Using Pattern Blocks (Nonstandard Unit) Ex 1: Find the Sum of Two Fractions Using Pattern Blocks Ex 2: Find the Sum of Two Fractions Using Pattern Blocks Ex 3: Find the Sum of Two Fractions Using Pattern Blocks (Sum Greater Than 1) Ex: Paper Folding to Model Addition of Fractions with Unlike Denominators Ex 1: Find the Difference of Two Fractions Using Pattern Blocks (Basic) Ex 2: Find the Difference of Two Fractions Using Pattern Blocks (Simplifying) Ex 3: Find the Difference of Two Fractions Using Pattern Blocks (Simplifying)</p> <p>Addition and Subtraction of Mixed Numbers</p> <p>Ex: Find the Sum of Two Mixed Numbers Using Pattern Blocks Ex 1: Find the Difference of Two Mixed Numbers Using Pattern Blocks (Basic) Ex 2: Find the Difference of Two Mixed Numbers Using Pattern Blocks Ex 3: Find the Difference of Two Mixed Numbers Using Pattern Blocks</p> <p>Multiplication and Division of Fractions</p> <p>Model the Product of a Whole Number and a Fraction Using Fraction Bars Model More Products of a Whole Number and a Fraction Using Fraction Bars Model Products of a Fraction and a Whole Number Using Fraction Bars Model the Product of Fractions Using Folding - 1/3 of 3/4 of Leftovers</p>	<p>Percentages</p> <p>Use a Shaded 10 by 10 Grid to Write a Ratio, Decimal, and Percent Represent a Percent or Decimal Using 10 by 10 Grids Introduction to Tape Diagram or Bar Diagram for Percent Problems Solve Basic Percent Problems Using a Tape Diagram (Bar Diagram) Solve Percent Problems Using a Tape Diagram (Bar Diagram)</p>
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[Model Products of a Fractions Using Fraction Bars](#)
[Model the Product of a Fraction and Mixed Number Using Fraction Bars](#)
[Ex: Using a Fraction Wall to Find the Product of a Whole Number and a Fraction](#)
[Ex: Using a Fraction Wall to Find the Product of Two Fractions](#)
[Ex: Modeling Fraction Multiplication Using Paper Folding](#)
[Ex: Multiplying Fractions Using Pattern Blocks](#)
[Modeling Multiplying Fractions Using Copies](#)
[Understanding Dividing by a Fraction](#)
[Division of Fractions Using Cuisenaire Rods](#)
[Division of Fractions Using Common Denominators and Models](#)
[Division Involving Fractions - Alternative Method \(Common Denominators\)](#)
[Ex1: Division Involving Fractions - Compare Alternative and Traditional Methods](#)
[Ex2: Division Involving Fractions - Compare Alternative and Traditional Methods](#)
[Ex3: Division Involving Fractions - Compare Alternative and Traditional Methods](#)
[Ex4: Division Involving Signed Fractions - Compare Alternative and Traditional Methods](#)

Multiplication and Division of Mixed Numbers

[Ex: Find a Product of a Whole Number and Mixed Number Using Area](#)
[Ex: Find a Product of Two Mixed Numbers Using Area](#)
[Ex: Using a Fraction Wall to Find the Quotient of Two Fractions](#)
[Ex: Find the Quotient of a Whole Number and Fraction using Fraction Strips](#)
[Ex 1: Find the Quotient of a Mixed Number and Fraction using Fraction Strips](#)
[Ex 2: Find the Quotient of a Mixed Number and Fraction using Fraction Strips](#)
[Ex5: Division Involving Mixed Numbers - Compare Alternative and Traditional Methods](#)

