

Module 3 Math Videos (7th grade accelerated)

3.1 Rational Numbers and Decimals

[Rewrite Fractions as Decimals \(terminating\)](#)

[Rewrite Mixed Numbers and Improper Fractions to Decimals](#)

[Decimals to Simplified Fractions](#)

[Converting Decimals to Fractions](#)

[Converting Decimals to Fractions \(tenths place\)](#)

[Converting Decimals to Fractions \(hundredths place\)](#)

[Converting Fractions to Decimals](#)

[Converting Fractions to Decimals](#)

[Understand Relationships Between Fractions and Decimals Using Multiplication](#)

[Writing Rational Numbers as Decimals](#)

[Writing Mixed Numbers As Decimals](#)

3.2 Adding Rational Numbers

[Addition and Subtraction of Rational Numbers Part 1](#)

[Addition and Subtraction of Rational Numbers Part 2](#)

[Adding Positive and Negative Decimals](#)

[Adding and Subtracting Fractions and Decimals](#)

[Adding and Subtracting Fractions Using the Butterfly Method](#)

[Adding Fractions with Unlike Denominators](#)

[Adding Fractions with Different Signs using a number line](#)

[Adding and Subtracting Numbers in Different Forms](#)

[Adding Positive and Negative Integers on a Number Line](#)

[Add Mixed Fractions Using Improper Fractions](#)

[Adding Rational Numbers with the Same Sign](#)

[Adding Rational Numbers with Different Signs](#)

[Finding the Additive Inverse](#)

[Adding Three or More Rational Numbers](#)

3.3 Subtracting Rational Numbers

[Addition and Subtraction of Rational Numbers Part 1](#)

[Addition and Subtraction of Rational Numbers Part 2](#)

[Adding Positive and Negative Decimals](#)

[Adding and Subtracting Fractions and Decimals](#)

[Adding and Subtracting Numbers in Different Forms](#)

[Adding and Subtracting Fractions Using the Butterfly Method](#)

[Subtracting Positive Rational Numbers](#)

[Subtracting Negative Rational Numbers](#)

3.4 Multiplying Rational Numbers

[Multiplying Positive and Negative Fractions](#)

[Multiplying and Dividing Rational Numbers \(Fractions, Decimals, and Integers\)](#)

[Multiplying Positive and Negative Decimals](#)

[Multiplying and Dividing Fractions](#)

[Multiplying Rational Numbers \(Integers, Fractions, and Word Problems\)](#)

[Multiplying and Dividing Negative Decimals](#)

[Multiplying Rational Numbers With Different Signs](#)

[Multiplying Rational Numbers With The Same Signs](#)

[Multiplying More Than Two Rational Numbers](#)

3.5 Dividing Rational Numbers

[Dividing Positive and Negative Fractions](#)

[Dividing Fractions, Decimals, and Other Rational Numbers](#)

[Multiplying and Dividing Negative Decimals](#)

[Dividing Decimals](#)

[Multiplying and Dividing Fractions](#)

[Multiplying and Dividing Rational Numbers \(Fractions, Decimals, and Integers\)](#)

[Quotients Of Rational Numbers](#)

[Complex Fractions](#)

3.6 Applying Rational Number Operations

[Multi-step Word Problem with Decimals and Subtraction](#)

[Multi-step Word Problem with Fraction and Units of Time](#)

[Multi-step Word Problem with Addition, Subtraction, and Multiplication](#)

[Solving Multi-Step Word Problems Using Diagrams](#)

[Solve Word Problems with Positive and Negative Fractions](#)

[Solve Multi-Step Problems with Positive and Negative Decimals](#)

[Solve Multi-Step Problems Using Mathematical Reasoning \(using decimals\)](#)

[Solving Multi-Step Word Problems Using Positive and Negative Fractions](#)

[Applying Rational Number Operations](#)

[Using Rational Numbers In Any Form](#)

[Using Tools Strategically](#)