



Curriculum Map with Common Core Standards

Unit 1 - Algebraic Expressions and Integers

1-1 Place Value

CCSS.MATH.CONTENT.6.NS.C.7

1-2 Variables and Expressions

CCSS.MATH.CONTENT.6.EE.A.2.A

CCSS.MATH.CONTENT.7.EE.B.4

CCSS.MATH.CONTENT.6.EE.A.2.C

CCSS.MATH.CONTENT.8.EE.C.8.A

CCSS.MATH.CONTENT.6.EE.B.6

CCSS.MATH.CONTENT.8.EE.C.8.C

CCSS.MATH.CONTENT.6.EE.C.9

1-3 The Order of Operations

CCSS.MATH.CONTENT.7.EE.A.1

CCSS.MATH.CONTENT.7.NS.A.3

CCSS.MATH.CONTENT.6.EE.A.2.C

CCSS.MATH.CONTENT.7.NS.A.1.D

CCSS.MATH.CONTENT.6.EE.A.3

CCSS.MATH.CONTENT.7.NS.A.3

1-4 Writing and Evaluating Expressions

CCSS.MATH.CONTENT.6.EE.A.1

CCSS.MATH.CONTENT.6.EE.A.4

CCSS.MATH.CONTENT.6.EE.A.2

CCSS.MATH.CONTENT.7.EE.A.1

CCSS.MATH.CONTENT.6.EE.A.3

CCSS.MATH.CONTENT.8.EE.A.1

1-5 Integers and Absolute Value

CCSS.MATH.CONTENT.6.NS.C.7

CCSS.MATH.CONTENT.6.NS.C.7.D

CCSS.MATH.CONTENT.6.NS.C.7.C



1-6 Adding Integers

CCSS.MATH.CONTENT.6.NS.B.3

CCSS.MATH.CONTENT.7.NS.A.1

1-7 Subtracting Integers

CCSS.MATH.CONTENT.6.NS.B.3

CCSS.MATH.CONTENT.7.NS.A.1.D

CCSS.MATH.CONTENT.7.NS.A.1

1-8 Problem Solving: Rounding and Estimating

CCSS.MATH.CONTENT.7.EE.B.3

CCSS.MATH.CONTENT.8.EE.C.8.B

CCSS.MATH.CONTENT.8.EE.A.3

CCSS.MATH.CONTENT.8.NS.A.2

1-9 Inductive Reasoning

CCSS.MATH.PRACTICE.MP3

1-10 Patterns

CCSS.MATH.CONTENT.8.EE.B.5

CCSS.MATH.CONTENT.8.SP.A.3

CCSS.MATH.CONTENT.8.EE.B.6

CCSS.MATH.CONTENT.8.SP.A.4

1-11 Multiplying and Dividing Integers

CCSS.MATH.CONTENT.6.NS.B.2

CCSS.MATH.CONTENT.7.NS.A.2.D

CCSS.MATH.CONTENT.6.NS.B.3

CCSS.MATH.CONTENT.7.NS.A.2.A

CCSS.MATH.CONTENT.7.NS.A.2

1-12 The Coordinate Plane

CCSS.MATH.CONTENT.6.NS.C.6

CCSS.MATH.CONTENT.6.NS.C.6.C

CCSS.MATH.CONTENT.6.NS.C.6.B

CCSS.MATH.CONTENT.6.NS.C.8

Unit 2 - Solving One-Step Equations and Inequalities

2-1 Properties of Numbers

CCSS.MATH.CONTENT.6.NS.B.4

CCSS.MATH.CONTENT.8.EE.C.7.B

CCSS.MATH.CONTENT.7.NS.A.2.A

2-2 The Distributive Property

CCSS.MATH.CONTENT.6.NS.B.4

CCSS.MATH.CONTENT.8.EE.C.7.B

CCSS.MATH.CONTENT.7.NS.A.2.A

2-3 Simplifying Variable Expressions

CCSS.MATH.CONTENT.6.EE.A.2.C

CCSS.MATH.CONTENT.7.EE.B.4

CCSS.MATH.CONTENT.6.EE.A.3

CCSS.MATH.CONTENT.7.EE.A.1

CCSS.MATH.CONTENT.6.EE.A.4

CCSS.MATH.CONTENT.7.EE.A.2

CCSS.MATH.CONTENT.6.EE.B.6

2-4 Variables and Equations

CCSS.MATH.CONTENT.6.EE.A.2

CCSS.MATH.CONTENT.6.EE.C.9

CCSS.MATH.CONTENT.6.EE.B.6

CCSS.MATH.CONTENT.7.EE.B.4

CCSS.MATH.CONTENT.6.EE.B.7

2-5 Solving Equations by Adding or Subtracting

CCSS.MATH.CONTENT.6.EE.B.5

CCSS.MATH.CONTENT.6.EE.C.9

CCSS.MATH.CONTENT.8.EE.C.7

CCSS.MATH.CONTENT.7.EE.B.4

CCSS.MATH.CONTENT.6.EE.B.7



2-6 Solving Equations by Multiplying or Dividing

CCSS.MATH.CONTENT.6.EE.B.5

CCSS.MATH.CONTENT.7.EE.B.4

CCSS.MATH.CONTENT.6.EE.B.7

CCSS.MATH.CONTENT.8.EE.C.7

CCSS.MATH.CONTENT.6.EE.C.9

2-7 Guess, Check, and Revise

CCSS.MATH.CONTENT.7.EE.B.4

CCSS.MATH.CONTENT.7.RP.A.1

2-8 Inequalities and Their Graphs

CCSS.MATH.CONTENT.7.EE.B.4.B

2-9 Solving One-Step Inequalities by Adding or Subtracting

CCSS.MATH.CONTENT.6.EE.B.5

CCSS.MATH.CONTENT.7.EE.B.4.B

CCSS.MATH.CONTENT.6.EE.B.8

2-10 Solving One-Step Inequalities by Multiplying or Dividing

CCSS.MATH.CONTENT.6.EE.B.5

CCSS.MATH.CONTENT.7.EE.B.4.B

CCSS.MATH.CONTENT.6.EE.B.8



Unit 3 - Decimals and Equations

3-1 Rounding and Estimating

CCSS.MATH.CONTENT.7.EE.B.3

CCSS.MATH.CONTENT.8.EE.C.8.B

CCSS.MATH.CONTENT.8.EE.A.3

CCSS.MATH.CONTENT.8.NS.A.2

3-2 Estimating Decimal Products and Quotients

CCSS.MATH.CONTENT.7.NS.A.2.A

CCSS.MATH.CONTENT.7.NS.A.2.B

3-3 Mean, Median, and Mode

CCSS.MATH.CONTENT.6.SP.B.5.C

CCSS.MATH.CONTENT.7.SP.B.3

3-4 Using Formulas

CCSS.MATH.CONTENT.6.EE.A.2.C

CCSS.MATH.CONTENT.6.RP.A.3.B

CCSS.MATH.CONTENT.6.G.A.2

CCSS.MATH.CONTENT.7.G.B.4

3-5 Solving Equations by Adding or Subtracting Decimals

CCSS.MATH.CONTENT.6.EE.B.5

CCSS.MATH.CONTENT.7.EE.B.4.B

CCSS.MATH.CONTENT.6.EE.B.8

3-6 Solving Equations by Multiplying or Dividing Decimals

CCSS.MATH.CONTENT.6.EE.B.5

CCSS.MATH.CONTENT.7.EE.B.4.B

CCSS.MATH.CONTENT.6.EE.B.8

3-7 Using the Metric System

CCSS.MATH.CONTENT.6.RP.A.3.D



Unit 4 - Factors, Fractions, And Exponents

4-1 Divisibility and Factors

CCSS.MATH.CONTENT.6.EE.A.2.B

CCSS.MATH.CONTENT.6.NS.B.4

CCSS.MATH.CONTENT.6.NS.B.2

4-2 Exponents

CCSS.MATH.CONTENT.6.EE.A.1

CCSS.MATH.CONTENT.8.EE.A.1

CCSS.MATH.CONTENT.6.EE.A.2.C

4-3 Prime Factorization and Greatest Common Factor

CCSS.MATH.CONTENT.6.NS.B.4

4-4 Simplifying Fractions

CCSS.MATH.CONTENT.6.NS.A.1

4-5 Rational Numbers

CCSS.MATH.CONTENT.6.NS.C.6

CCSS.MATH.CONTENT.7.NS.A.1.B

CCSS.MATH.CONTENT.6.NS.C.7.B

CCSS.MATH.CONTENT.7.NS.A.1.C

CCSS.MATH.CONTENT.6.NS.C.7

CCSS.MATH.CONTENT.7.NS.A.1.D

CCSS.MATH.CONTENT.7.NS.A.1

CCSS.MATH.CONTENT.7.NS.A.3

CCSS.MATH.CONTENT.7.NS.A.1.A

4-6 Irrational Numbers

CCSS.MATH.CONTENT.8.NS.A.1

CCSS.MATH.CONTENT.8.NS.A.2



4-7 Exponents and Multiplication

CCSS.MATH.CONTENT.8.EE.A.1

CCSS.MATH.CONTENT.8.EE.A.2

4-8 Exponents and Division

CCSS.MATH.CONTENT.8.EE.A.1

CCSS.MATH.CONTENT.8.EE.A.2

4-9 Scientific Notation

CCSS.MATH.CONTENT.8.EE.A.3

CCSS.MATH.CONTENT.8.EE.A.4

4-10 Cube Roots



Unit 5 - Operations with Fractions

5-1 Comparing and Ordering Rational Numbers

CCSS.MATH.CONTENT.6.NS.C.7

CCSS.MATH.CONTENT.6.NS.C.7.D

CCSS.MATH.CONTENT.6.NS.C.7.B

CCSS.MATH.CONTENT.7.NS.A.2

CCSS.MATH.CONTENT.6.NS.C.7.C

5-2 Fractions and Decimals

CCSS.MATH.CONTENT.7.NS.A.2.D

CCSS.MATH.CONTENT.7.RP.A.1

5-3 Adding and Subtracting Fractions

CCSS.MATH.CONTENT.7.NS.A.1

CCSS.MATH.CONTENT.7.NS.A.1.D

CCSS.MATH.CONTENT.7.NS.A.1.C

5-4 Multiplying and Dividing Fractions

CCSS.MATH.CONTENT.7.NS.A.2

CCSS.MATH.CONTENT.7.NS.A.2.B

CCSS.MATH.CONTENT.7.NS.A.2.A

5-5 Using Customary Units of Measurements

CCSS.MATH.CONTENT.6.RP.A.3.D

5-6 Solving Equations by Adding or Subtracting Fractions

CCSS.MATH.CONTENT.6.EE.B.5

CCSS.MATH.CONTENT.7.EE.B.4.B

CCSS.MATH.CONTENT.6.EE.B.8

CCSS.MATH.CONTENT.8.EE.C.7.B



5-7 Solving Equations by Multiplying Fractions

CCSS.MATH.CONTENT.6.EE.B.5

CCSS.MATH.CONTENT.7.EE.B.4.B

CCSS.MATH.CONTENT.6.EE.B.8

5-8 Powers of Products and Quotients

CCSS.MATH.CONTENT.8.EE.A.3

CCSS.MATH.CONTENT.8.EE.A.2



Unit 6 - Ratios, Proportions, and Percentages

6-1 Ratios and Unit Rates

CCSS.MATH.CONTENT.6.RP.A.1

CCSS.MATH.CONTENT.6.RP.A.2

CCSS.MATH.CONTENT.6.RP.A.3

CCSS.MATH.CONTENT.6.RP.A.3.B

CCSS.MATH.CONTENT.7.RP.A.1

CCSS.MATH.CONTENT.8.EE.B.5

6-2 Proportions

CCSS.MATH.CONTENT.7.RP.A.2

CCSS.MATH.CONTENT.7.RP.A.2.A

CCSS.MATH.CONTENT.7.RP.A.2.B

CCSS.MATH.CONTENT.7.RP.A.2.C

CCSS.MATH.CONTENT.7.RP.A.3

CCSS.MATH.CONTENT.8.EE.B.5

6-3 Similar Figures and Scale Drawings

CCSS.MATH.CONTENT.8.G.A.4

CCSS.MATH.CONTENT.7.G.A.1

6-4 Probability

CCSS.MATH.CONTENT.7.SP.C.5

CCSS.MATH.CONTENT.7.SP.C.6

CCSS.MATH.CONTENT.7.SP.C.7

CCSS.MATH.CONTENT.7.SP.C.8

6-5 Fractions, Decimals, and Percentages

CCSS.MATH.CONTENT.6.RP.A.3.C

6-6 Proportions and Percentages

CCSS.MATH.CONTENT.7.RP.A.3



6-7 Percentages and Equations

CCSS.MATH.CONTENT.6.RP.A.3.C

CCSS.MATH.CONTENT.7.RP.A.3

6-8 Percent of Change

CCSS.MATH.CONTENT.6.RP.A.3.C

CCSS.MATH.CONTENT.7.RP.A.3

6-9 Markup and Discount

CCSS.MATH.CONTENT.7.RP.A.3

6-10 Tables

CCSS.MATH.CONTENT.6.RP.A.3.A

CCSS.MATH.CONTENT.7.RP.A.2.B

CCSS.MATH.CONTENT.7.RP.A.2.A



Unit 7 - Solving Equations and Inequalities

7-1 Solving Two-Step Equations

CCSS.MATH.CONTENT.8.EE.C.7

CCSS.MATH.CONTENT.8.EE.C.7.A

7-2 Solving Multi-Step Equations

CCSS.MATH.CONTENT.7.EE.B.3

CCSS.MATH.CONTENT.8.EE.C.7.A

CCSS.MATH.CONTENT.7.EE.B.4.A

CCSS.MATH.CONTENT.8.EE.A.2

CCSS.MATH.CONTENT.8.EE.C.7

7-3 Multi-Step Equations with Fractions and Decimals

CCSS.MATH.CONTENT.7.EE.B.3

CCSS.MATH.CONTENT.8.EE.C.7

CCSS.MATH.CONTENT.7.EE.B.4

CCSS.MATH.CONTENT.8.EE.C.7.A

CCSS.MATH.CONTENT.7.EE.B.4.A

CCSS.MATH.CONTENT.8.EE.C.7.B

CCSS.MATH.CONTENT.8.EE.C.7.B

7-4 Write an Equation

CCSS.MATH.CONTENT.6.EE.B.5

CCSS.MATH.CONTENT.7.EE.B.3

CCSS.MATH.CONTENT.6.EE.B.6

CCSS.MATH.CONTENT.7.EE.B.4

CCSS.MATH.CONTENT.6.EE.B.7

CCSS.MATH.CONTENT.8.EE.C.7.A

7-5 Solving Equations with Variables on Both Sides

CCSS.MATH.CONTENT.6.EE.C.9

CCSS.MATH.CONTENT.8.EE.C.7.B

CCSS.MATH.CONTENT.7.EE.B.4



7-6 Solving Two-Step Inequalities

CCSS.MATH.CONTENT.6.EE.C.9

CCSS.MATH.CONTENT.7.EE.B.4

CCSS.MATH.CONTENT.7.EE.B.4.B

7-7 Transforming Formulas

CCSS.MATH.CONTENT.8.EE.C.7.B

7-8 Simple and Compound Interest

CCSS.MATH.CONTENT.7.RP.A.3



Unit 8 - Linear Functions and Graphing

8-1 Relations and Functions

CCSS.MATH.CONTENT.8.F.A.1

CCSS.MATH.CONTENT.8.F.A.3

CCSS.MATH.CONTENT.8.F.A.2

8-2 Equations with Two Variables

CCSS.MATH.CONTENT.8.F.B.4

CCSS.MATH.CONTENT.8.F.B.5

8-3 Slope and y-intercept

CCSS.MATH.CONTENT.8.EE.B.5

CCSS.MATH.CONTENT.8.SP.A.3

CCSS.MATH.CONTENT.8.EE.B.6

CCSS.MATH.CONTENT.8.SP.A.4

8-4 Writing Rules for Linear Functions

CCSS.MATH.CONTENT.6.EE.C.9

CCSS.MATH.CONTENT.8.F.B.4

CCSS.MATH.CONTENT.8.EE.C.8.A

8-5 Scatter Plots

CCSS.MATH.CONTENT.8.SP.A.1

CCSS.MATH.CONTENT.8.SP.A.3

CCSS.MATH.CONTENT.8.SP.A.2

8-6 Solving Systems of Linear Equations by Graphing

CCSS.MATH.CONTENT.8.EE.C.8.A

CCSS.MATH.CONTENT.8.EE.C.8.C

CCSS.MATH.CONTENT.8.EE.C.8.B



8-7 Solving Systems of Linear Equations by Substitution

CCSS.MATH.CONTENT.8.EE.C.8

CCSS.MATH.CONTENT.8.EE.C.8.A

CCSS.MATH.CONTENT.8.EE.C.8.B

8-8 Graphing Linear Inequalities

CCSS.MATH.CONTENT.7.EE.B.4.B



Unit 9 - Spatial Thinking

9-1 Introduction to Geometry: Points, Lines, and Planes

CCSS.MATH.CONTENT.8.G.A.1.A

CCSS.MATH.CONTENT.8.G.A.1.B

9-2 Angle Relationships and Parallel Lines

CCSS.MATH.CONTENT.8.G.A.1.C

CCSS.MATH.CONTENT.7.G.B.5

CCSS.MATH.CONTENT.8.G.A.5

9-3 Classifying Polygon

CCSS.MATH.CONTENT.6.G.A.3

CCSS.MATH.CONTENT.7.G.A.2

9-4 Draw a Diagram

CCSS.MATH.CONTENT.7.G.A.1

9-5 Congruence

CCSS.MATH.CONTENT.8.G.A.2

9-6 Circles

CCSS.MATH.CONTENT.7.G.B.4

9-7 Constructions

CCSS.MATH.CONTENT.7.G.A.2

CCSS.MATH.CONTENT.7.G.A.1



9-8 Translations

CCSS.MATH.CONTENT.8.G.A.1

CCSS.MATH.CONTENT.8.G.A.3

CCSS.MATH.CONTENT.8.G.A.2

CCSS.MATH.CONTENT.8.G.A.4

9-9 Symmetry and Rotations

CCSS.MATH.CONTENT.8.G.A.1

CCSS.MATH.CONTENT.8.G.A.3

CCSS.MATH.CONTENT.8.G.A.2

CCSS.MATH.CONTENT.8.G.A.4

9-10 Rotations

CCSS.MATH.CONTENT.8.G.A.1

CCSS.MATH.CONTENT.8.G.A.3

CCSS.MATH.CONTENT.8.G.A.2

CCSS.MATH.CONTENT.8.G.A.4



Unit 10 - Area and Volume

10-1 Area of Parallelograms

CCSS.MATH.CONTENT.6.G.A.4

CCSS.MATH.CONTENT.7.G.B.6

CCSS.MATH.CONTENT.7.G.A.3

10-2 Area of Triangles and Trapezoids

CCSS.MATH.CONTENT.6.G.A.4

CCSS.MATH.CONTENT.7.G.B.6

CCSS.MATH.CONTENT.7.G.A.3

10-3 Area of Circles

CCSS.MATH.CONTENT.6.G.A.4

CCSS.MATH.CONTENT.7.G.B.6

CCSS.MATH.CONTENT.7.G.A.3

10-4 Space Figures

CCSS.MATH.CONTENT.7.G.A.2

CCSS.MATH.CONTENT.7.G.A.3

10-5 Surface Area of Prisms and Cylinders

CCSS.MATH.CONTENT.6.G.A.4

CCSS.MATH.CONTENT.7.G.B.6

CCSS.MATH.CONTENT.7.G.A.3

10-6 Surface Area of Pyramids, Cones, and Spheres

CCSS.MATH.CONTENT.6.G.A.4

CCSS.MATH.CONTENT.7.G.B.6

CCSS.MATH.CONTENT.7.G.A.3



10-7 Volumes of Prisms and Cylinders

CCSS.MATH.CONTENT.7.G.B.6

CCSS.MATH.CONTENT.6.G.A.2

CCSS.MATH.CONTENT.8.G.C.9

10-8 Volume of Pyramids, Cones, and Spheres

CCSS.MATH.CONTENT.7.G.B.6

CCSS.MATH.CONTENT.8.G.C.9



Unit 11 - Right Triangles in Algebra

11-1 Square Roots and Irrational Numbers

CCSS.MATH.CONTENT.8.EE.A.2

CCSS.MATH.CONTENT.8.NS.A.1

11-2 The Pythagorean Theorem

CCSS.MATH.CONTENT.8.G.B.6

CCSS.MATH.CONTENT.8.G.B.8

CCSS.MATH.CONTENT.8.G.B.7

11-3 Distance and Midpoint Formulas

CCSS.MATH.CONTENT.8.G.B.8

11-4 Write a Proportion

CCSS.MATH.CONTENT.7.RP.A.2

11-5 Special Right Triangles

CCSS.MATH.CONTENT.8.G.B.7

CCSS.MATH.CONTENT.7.G.A.2

11-6 Sine, Cosine, and Tangent Ratios

11-7 Angles of Elevation and Depression

CCSS.MATH.CONTENT.8.G.B.7



Unit 12 - Data Analysis and Probability

12-1 Frequency Tables, Line Plots, and Histograms

CCSS.MATH.CONTENT.6.SP.B.4

CCSS.MATH.CONTENT.7.SP.C.8.B

CCSS.MATH.CONTENT.6.SP.B.5.C

12-2 Box-and-Whisker Plots

CCSS.MATH.CONTENT.6.SP.B.4

CCSS.MATH.CONTENT.6.SP.A.2

CCSS.MATH.CONTENT.6.SP.B.5.C

CCSS.MATH.CONTENT.7.SP.B.3

12-3 Stem and Leaf Plots

CCSS.MATH.CONTENT.6.SP.B.4

CCSS.MATH.CONTENT.7.SP.B.4

CCSS.MATH.CONTENT.6.SP.B.4.C

12-4 Counting Outcomes and Theoretical Probability

CCSS.MATH.CONTENT.7.SP.C.5

CCSS.MATH.CONTENT.7.SP.C.8.A

CCSS.MATH.CONTENT.7.SP.C.7.A

CCSS.MATH.CONTENT.7.SP.C.8.B

CCSS.MATH.CONTENT.7.SP.C.7.B

12-5 Independent and Dependent Events

12-6 Permutations and Combinations

12-7 Experimental Probability

CCSS.MATH.CONTENT.7.SP.A.2

CCSS.MATH.CONTENT.7.SP.C.7.A

CCSS.MATH.CONTENT.7.SP.C.5

CCSS.MATH.CONTENT.7.SP.C.7.B

CCSS.MATH.CONTENT.7.SP.C.6

12-8 Random Samples and Surveys

CCSS.MATH.CONTENT.7.SP.A.1

CCSS.MATH.CONTENT.7.SP.C.6

CCSS.MATH.CONTENT.7.SP.A.2



Unit 13 - Nonlinear Functions and Polynomials

13-1 Patterns and Sequences

CCSS.MATH.CONTENT.8.EE.B.5

CCSS.MATH.CONTENT.8.SP.A.3

CCSS.MATH.CONTENT.8.EE.B.6

CCSS.MATH.CONTENT.8.SP.A.4

13-2 Graphing Nonlinear Functions

CCSS.MATH.CONTENT.8.F.B.5

13-3 Exponential Growth and Decay

13-4 Polynomials

13-5 Adding and Subtracting Polynomials

13-6 Multiplying a Polynomial by a Monomial

13-7 Multiplying Binomials

CCSS.MATH.CONTENT.6.NS.B.4

CCSS.MATH.CONTENT.7.EE.B.3

CCSS.MATH.CONTENT.7.EE.A.1

CCSS.MATH.CONTENT.7.NS.A.2.C

13-8 Using Multiple Strategies

CCSS.MATH.CONTENT.6.NS.B.4

CCSS.MATH.CONTENT.7.EE.B.3

CCSS.MATH.CONTENT.7.EE.A.1

CCSS.MATH.CONTENT.7.NS.A.2.C

