



Key Topics by Grade with Utah Intended Learning Outcomes



3rd Grade

- 1. Place Value to 10,000 3.1.1a,c,d
- 2. Multi-Digit Addition 3.1.3a
 3.1.5b
- 3. Multi-Digit Subtraction 3.1.3a
 3.1.5c
- 4. Multiplication by a Single Digit 3.1.3b
 3.1.5d
- 5. Division by a Single Digit 3.1.3c,d
- 6. Geometry— Identifying Shapes 3.3.1a,d
- 7. Basic Fractions 3.1.4a,b,d,e

4th Grade

- 1. Place Value to 1,000,000 4.1.1c
 4.1.2c,e
 5.1.1a,b
- 2. Multi-Digit Multiplication 4.1.3a
 4.1.5c
 5.1.5c
- 3. Long Division w/Single Digit Divisor 4.1.3d
 4.1.5d
 5.1.5d
- 4. Geometry—Area and Perimeter 4.4.2g
 5.4.2f,g
- 5. Algebra—Find the Missing Number or Sign 3.2.2a
 4.2.2a
- 6. Add/Subtract Fractions w/Like Denominators 5.1.5f
 5.1.5g
- 7. Basic Decimals— Add/Subtract Decimals 4.1.2e
 4.1.4c
 5.1.1a
 5.1.5e

5th Grade

- 1. Graphing Coordinates 5.3.2a,b
 6.3.2a,b
- 2. Long Division w/Multi-Digit Divisors 6.1.5d
- 3. Multiply/Divide Decimals 6.1.5c,d
- 4. Geometry—Area of Parallelograms and Triangles 6.4.2e
- 5. Add/Subtract Integers 6.1.6b,c
- 6. Add/Subtract Fractions w/Unlike Denominators 5.1.2c
 5.1.5f
- 7. Decimals, Fractions, and Percents 5.1.2d
 5.1.3c
 6.1.2d
 6.1.4d

6th Grade

- 1. Factoring Numbers, GCF, and LCM 6.1.1f
 6.1.2a
- 2. Geometry— Circumference/Area of a Circle 6.3.1c
 6.4.2c
- 3. Add/Subtract Mixed Numbers 6.1.5f
- 4. Ratios and Proportions 6.1.4c
 6.1.5g
 PreAlg-1.4.4
- 5. Multiply/Divide Integers PreAlg-1.1.2
- 6. Algebra—Solve One-Step Equations 5.2.2b,c
- 7. Compare/Order Fractions, Decimals, and Integers 6.1.2b,c

7th Grade

- 1. Order of Operations 6.1.5h
- 2. Multiply/Divide Fractions 6.1.5f
- 3. Powers, Exponents, and Roots 6.2.2d
 PreAlg-1.3.5
- 4. Algebra—Solve Two-Step Equations 6.2.2b
 PreAlg-2.2.4
- 5. Graphing Using the Slope Formula PreAlg-2.2.3
 EAlg-2.3.1a
- 6. Simplifying Fractions w/Variables 6.3.3.4a
- 7. Pythagorean Theorem and Right Triangles EAlg-3.3.1

8th Grade

- 1. Algebra—Solve Multi-Step Equations EAlg-2.2.2b
- 2. Add/Subtract Polynomials EAlg-2.2.7
- 3. Multiply/Divide Polynomials EAlg-2.2.7
- 4. FOIL EAlg-3.3.3
- 5. Factoring Polynomials EAlg-3.3.4b
- 6. Graph Linear Equations EAlg-2.3.8a
- 7. Quadratic Formula IAlg-2.2.1