



Key Topics by Grade with North Carolina Learning Objectives



3rd Grade

- Place Value to 10,000 3-1.01a-c
- Multi-Digit Addition 3-1.02a
 3-1.02c
- Multi-Digit Subtraction 3-1.02a
 3-1.02c
- Multiplication by a Single Digit 3-1.03a
 3-1.03c
- Division by a Single Digit 3-1.03a
 3-1.03c
- Geometry— Identifying Shapes 3-3.01
- Basic Fractions 3-1.05a-c

4th Grade

- Place Value to 1,000,000 4-1.01a
 4-1.01b
 5-1.01a
 5-1.01b
- Multi-Digit Multiplication 4-1.02a
- Long Division w/Single Digit Divisor 3-1.03a
- Geometry—Area and Perimeter 4-2.01
 4-2.02
- Algebra—Find the Missing Number or Sign 3-5.03
 3-5.04
- Add/Subtract Fractions w/Like Denominators 4-1.04a
- Basic Decimals— Add/Subtract Decimals 4-1.01a
 4-1.01b

5th Grade

- Graphing Coordinates 3-3.02a
- Long Division w/Multi-Digit Divisors 4-1.02b
- Multiply/Divide Decimals 6-1.04a
- Geometry—Area of Parallelograms and Triangles 6-2.02
- Add/Subtract Integers 7-1.02a
- Add/Subtract Fractions w/Unlike Denominators 5-1.02a
- Decimals, Fractions, and Percents 6-1.02a

6th Grade

- Factoring Numbers, GCF, and LCM 6-1.05
- Geometry— Circumference/Area of a Circle 6-2.02
- Add/Subtract Mixed Numbers 5-1.02a
- Ratios and Proportions 7-1.01
- Multiply/Divide Integers 6-1.04a
- Algebra—Solve One-Step Equations 6-5.03
- Compare/Order Fractions, Decimals, and Integers 6-1.01b
 6-1.03

7th Grade

- Order of Operations 6-5.01e
- Multiply/Divide Fractions 6-1.04a
- Powers, Exponents, and Roots 6-1.06
- Algebra—Solve Two-Step Equations 7-5.03
- Graphing Using the Slope Formula 7-5.04
 8-5.01c
- Simplifying Fractions w/Variables 7-5.02
- Pythagorean Theorem and Right Triangles 7-5.04
 8-3.02

8th Grade

- Algebra—Solve Multi-Step Equations 8-5.04
- Add/Subtract Polynomials Alg-1.01b
- Multiply/Divide Polynomials Alg-1.01b
- FOIL Alg-1.01b
- Factoring Polynomials Alg-1.01c
- Graph Linear Equations 8-5.01d
- Quadratic Formula Alg-4.02