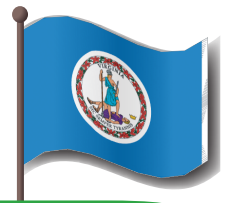


Key Topics by Grade with Virginia Standards of Learning



3rd Grade

- | | |
|-------------------------------------|-------------|
| 1. Place Value to 10,000 | 3.1 |
| 2. Multi-Digit Addition | 3.8
4.6 |
| 3. Multi-Digit Subtraction | 3.8
4.6 |
| 4. Multiplication by a Single Digit | 3.4
3.9 |
| 5. Division by a Single Digit | 3.4
3.9 |
| 6. Geometry–Identifying Shapes | 3.18 |
| 7. Basic Fractions | 3.6
4.2b |

4th Grade

- | | |
|---|-------------------------------------|
| 1. Place Value to 1,000,000 | 4.1a
4.1b |
| 2. Multi-Digit Multiplication | 4.7 |
| 3. Long Division w/Single Digit Divisor | 4.8 |
| 4. Geometry–Area and Perimeter | 4.13a
5.8 |
| 5. Algebra–Find the Missing Number or Sign | 4.22 |
| 6. Add/Subtract Fractions w/Like Denominators | 3.11 |
| 7. Basic Decimals–Add/Subtract Decimals | 3.7
3.12
4.4a
4.4c
4.9b |

5th Grade

- | | |
|--|----------------------|
| 1. Graphing Coordinates | 7.12 |
| 2. Long Division w/Multi-Digit Divisors | 5.5 |
| 3. Multiply/Divide Decimals | 5.4 |
| 4. Geometry–Area of Parallelograms and Triangles | 5.8
5.14
6.13b |
| 5. Add/Subtract Integers | 7.5 |
| 6. Add/Subtract Fractions w/Unlike Denominators | 4.9a |
| 7. Decimals, Fractions, and Percents | 5.2
6.1 |

6th Grade

- | | |
|--|---------------|
| 1. Factoring Numbers, GCF, and LCM | 6.3a |
| 2. Geometry–Circumference/Area of a Circle | 6.12a |
| 3. Add/Subtract Mixed Numbers | 6.6 |
| 4. Ratios and Proportions | 6.2
7.6 |
| 5. Multiply/Divide Integers | 7.5 |
| 6. Algebra–Solve One-Step Equations | 6.23b
7.22 |
| 7. Compare/Order Fractions, Decimals, and Integers | 5.2b
6.5 |

7th Grade

- | | |
|--|-------|
| 1. Order of Operations | 7.2 |
| 2. Multiply/Divide Fractions | 6.6 |
| 3. Powers, Exponents, and Roots | 6.22 |
| 4. Algebra–Solve Two-Step Equations | 8.15 |
| 5. Graphing Using the Slope Formula | A.7 |
| 6. Simplifying Fractions w/Variables | A.10 |
| 7. Pythagorean Theorem and Right Triangles | 8.10b |

8th Grade

- | | |
|---------------------------------------|------|
| 1. Algebra–Solve Multi-Step Equations | A.1 |
| 2. Add/Subtract Polynomials | A.11 |
| 3. Multiply/Divide Polynomials | A.11 |
| 4. FOIL | A.11 |
| 5. Factoring Polynomials | A.12 |
| 6. Graph Linear Equations | 8.16 |
| 7. Quadratic Formula | A.14 |