



Key Topics by Grade with West Virginia Content Standards & Objectives



3rd Grade

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| 1. Place Value to 10,000 | MA.3.1.1
MA.3.1.3 |
| 2. Multi-Digit Addition | MA.3.1.10 |
| 3. Multi-Digit Subtraction | MA.3.1.10 |
| 4. Multiplication by a Single Digit | MA.3.1.12
MA.3.1.13
MA.3.1.14 |
| 5. Division by a Single Digit | MA.3.1.12
MA.3.1.13 |
| 6. Geometry—Identifying Shapes | MA.3.3.1
MA.3.3.5 |
| 7. Basic Fractions | MA.3.1.5
MA.3.1.6 |

4th Grade

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| 1. Place Value to 1,000,000 | MA.4.1.1
MA.4.1.3 |
| 2. Multi-Digit Multiplication | MA.4.1.13
MA.4.1.14 |
| 3. Long Division w/Single Digit Divisor | MA.3.1.15
MA.4.1.13
MA.4.1.15 |
| 4. Geometry—Area and Perimeter | MA.4.4.2 |
| 5. Algebra—Find the Missing Number or Sign | MA.4.2.5
MA.5.2.3 |
| 6. Add/Subtract Fractions w/Like Denominators | MA.3.1.7
MA.4.1.6 |
| 7. Basic Decimals—Add/Subtract Decimals | MA.4.1.2
MA.4.1.11 |

5th Grade

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| 1. Graphing Coordinates | MA.4.3.7
MA.6.2.8 |
| 2. Long Division w/Multi-Digit Divisors | MA.4.1.15
MA.5.1.11 |
| 3. Multiply/Divide Decimals | MA.5.1.10 |
| 4. Geometry—Area of Parallelograms and Triangles | MA.5.4.2 |
| 5. Add/Subtract Integers | MA.7.1.5 |
| 6. Add/Subtract Fractions w/Unlike Denominators | MA.5.1.8 |
| 7. Decimals, Fractions, and Percents | MA.5.1.7 |

6th Grade

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| 1. Factoring Numbers, GCF, and LCM | MA.5.1.6
MA.6.1.3 |
| 2. Geometry—Circumference/Area of a Circle | MA.6.4.2 |
| 3. Add/Subtract Mixed Numbers | MA.5.1.8 |
| 4. Ratios and Proportions | MA.6.2.5
MA.7.2.6 |
| 5. Multiply/Divide Integers | MA.7.1.5 |
| 6. Algebra—Solve One-Step Equations | MA.6.2.9
MA.7.2.9 |
| 7. Compare/Order Fractions, Decimals, and Integers | MA.7.1.1 |

7th Grade

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| 1. Order of Operations | MA.6.2.1
MA.7.2.2 |
| 2. Multiply/Divide Fractions | MA.5.1.9
MA.6.1.6 |
| 3. Powers, Exponents, and Roots | MA.7.1.2 |
| 4. Algebra—Solve Two-Step Equations | MA.8.2.2 |
| 5. Graphing Using the Slope Formula | MA.7.2.12
A1.2.8 |
| 6. Simplifying Fractions w/Variables | MA.7.2.4 |
| 7. Pythagorean Theorem and Right Triangles | MA.7.4.3
MA.8.4.4 |

8th Grade

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| 1. Algebra—Solve Multi-Step Equations | A1.2.2 |
| 2. Add/Subtract Polynomials | A1.2.12 |
| 3. Multiply/Divide Polynomials | A1.2.7
A1.2.13 |
| 4. FOIL | A1.2.13 |
| 5. Factoring Polynomials | A1.2.14 |
| 6. Graph Linear Equations | A1.2.9 |
| 7. Quadratic Formula | A1.2.16 |