



Key Topics by Grade with Rhode Island Local and NECAP Grade Level Expectations



3rd Grade

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|-------------------------------------|--------------------------|
| 1. Place Value to 10,000 | M(N&O)-3-1
M(N&O)-3-2 |
| 2. Multi-Digit Addition | M(N&O)-3-4 |
| 3. Multi-Digit Subtraction | M(N&O)-3-4 |
| 4. Multiplication by a Single Digit | M(N&O)-3-3
M(N&O)-3-4 |
| 5. Division by a Single Digit | M(N&O)-4-3 |
| 6. Geometry—Identifying Shapes | M(G&M)-3-1 |
| 7. Basic Fractions | M(N&O)-3-1 |

4th Grade

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| 1. Place Value to 1,000,000 | M(N&O)-4-1
M(N&O)-4-2 |
| 2. Multi-Digit Multiplication | M(N&O)-4-4 |
| 3. Long Division w/Single Digit Divisor | M(N&O)-4-3
M(N&O)-4-4 |
| 4. Geometry—Area and Perimeter | M(G&M)-3-6
M(G&M)-4-6 |
| 5. Algebra—Find the Missing Number or Sign | M(F&A)-3-4
M(F&A)-4-3
M(F&A)-4-4 |
| 6. Add/Subtract Fractions w/Like Denominators | M(N&O)-4-3
M(N&O)-4-4 |
| 7. Basic Decimals—Add/Subtract Decimals | M(N&O)-4-1
M(N&O)-4-4
M(N&O)-5-4 |

5th Grade

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| 1. Graphing Coordinates | M(G&M)-5-9 |
| 2. Long Division w/Multi-Digit Divisors | M(N&O)-5-3 |
| 3. Multiply/Divide Decimals | M(N&O)-6-3
M(N&O)-6-4 |
| 4. Geometry—Area of Parallelograms and Triangles | M(G&M)-5-1
M(G&M)-5-6
M(G&M)-6-6 |
| 5. Add/Subtract Integers | M(N&O)-6-4 |
| 6. Add/Subtract Fractions w/Unlike Denominators | M(N&O)-5-3 |
| 7. Decimals, Fractions, and Percents | M(N&O)-5-1 |

6th Grade

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| 1. Factoring Numbers, GCF, and LCM | M(N&O)-5-4
M(N&O)-6-4 |
| 2. Geometry—Circumference/Area of a Circle | M(G&M)-6-6
M(G&M)-7-6 |
| 3. Add/Subtract Mixed Numbers | M(N&O)-6-4 |
| 4. Ratios and Proportions | M(N&O)-6-1
M(N&O)-7-4 |
| 5. Multiply/Divide Integers | M(N&O)-8-4 |
| 6. Algebra—Solve One-Step Equations | M(F&A)-5-4 |
| 7. Compare/Order Fractions, Decimals, and Integers | M(N&O)-6-2 |

7th Grade

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| 1. Order of Operations | M(N&O)-6-4
M(N&O)-7-4 |
| 2. Multiply/Divide Fractions | M(N&O)-6-3 |
| 3. Powers, Exponents, and Roots | M(N&O)-6-2
M(N&O)-7-2
M(N&O)-7-3 |
| 4. Algebra—Solve Two-Step Equations | M(F&A)-6-4 |
| 5. Graphing Using the Slope Formula | M(F&A)-7-2
M(F&A)-8-2 |
| 6. Simplifying Fractions w/Variables | M(F&A)-8-3 |
| 7. Pythagorean Theorem and Right Triangles | M(G&M)-8-2 |

8th Grade

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|---------------------------------------|--------------------------|
| 1. Algebra—Solve Multi-Step Equations | M(F&A)-7-4
M(F&A)-8-4 |
| 2. Add/Subtract Polynomials | M(F&A)-8-3 |
| 3. Multiply/Divide Polynomials | M(F&A)-8-3 |
| 4. FOIL | M(F&A)-8-3 |
| 5. Factoring Polynomials | M(F&A)-8-3 |
| 6. Graph Linear Equations | M(F&A)-8-2 |
| 7. Quadratic Formula | M(F&A)-10-4 |