



Key Topics by Grade with Minnesota Academic Standards



3rd Grade

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| 1. Place Value to 10,000 | 3-II.A.1
3-II.A.2 |
| 2. Multi-Digit Addition | 3-II.B.1
4-II.B.2 |
| 3. Multi-Digit Subtraction | 3-II.B.2
4-II.B.3 |
| 4. Multiplication by a Single Digit | 3-II.B.6
4-II.B.4-6 |
| 5. Division by a Single Digit | 4-II.B.5
4-II.B.6 |
| 6. Geometry–Identifying Shapes | 3-V.B.1 |
| 7. Basic Fractions | 3-II.A.3
3-II.A.4 |

4th Grade

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|---|----------------------------------|
| 1. Place Value to 1,000,000 | 4-II.A.1
4-II.A.2 |
| 2. Multi-Digit Multiplication | 5-II.B.1
5-II.B.4 |
| 3. Long Division w/Single Digit Divisor | 5-II.B.1
5-II.B.5 |
| 4. Geometry–Area and Perimeter | 3-V.C.2 |
| 5. Algebra–Find the Missing Number or Sign | 4-III.B.1 |
| 6. Add/Subtract Fractions w/Like Denominators | 5-II.B.6 |
| 7. Basic Decimals–Add/Subtract Decimals | 4-II.A.3
5-II.A.1
5-II.B.2 |

5th Grade

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| 1. Graphing Coordinates | 6-III.A.1 |
| 2. Long Division w/Multi-Digit Divisors | 6-II.B.5 |
| 3. Multiply/Divide Decimals | 5-II.B.4
5-II.B.5 |
| 4. Geometry–Area of Parallelograms and Triangles | 5-V.C.1
6-V.C.3 |
| 5. Add/Subtract Integers | 5-II.A.2 |
| 6. Add/Subtract Fractions w/Unlike Denominators | 5-II.B.6 |
| 7. Decimals, Fractions, and Percents | 5-II.A.1 |

6th Grade

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| 1. Factoring Numbers, GCF, and LCM | 6-II.B.1
6-II.B.2 |
| 2. Geometry–Circumference/Area of a Circle | 6-V.B.3
7-V.B.1 |
| 3. Add/Subtract Mixed Numbers | 6-II.B.7
7-II.B.1 |
| 4. Ratios and Proportions | 8-III.B.3 |
| 5. Multiply/Divide Integers | 5-II.A.2 |
| 6. Algebra–Solve One-Step Equations | 7-III.B.2 |
| 7. Compare/Order Fractions, Decimals, and Integers | 6-II.A.1
6-II.A.2 |

7th Grade

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| 1. Order of Operations | 7-II.B.6 |
| 2. Multiply/Divide Fractions | 7-II.B.1 |
| 3. Powers, Exponents, and Roots | 7-II.B.5 |
| 4. Algebra–Solve Two-Step Equations | 7-III.B.2 |
| 5. Graphing Using the Slope Formula | 7-III.A.2 |
| 6. Simplifying Fractions w/Variables | 8-II.B.3
9-12-III.B.6 |
| 7. Pythagorean Theorem and Right Triangles | 9-12-V.B.3 |

8th Grade

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| 1. Algebra–Solve Multi-Step Equations | 9-12-III.B.7 |
| 2. Add/Subtract Polynomials | 9-12-III.B.1 |
| 3. Multiply/Divide Polynomials | 8-III.B.1
9-12-III.B.1 |
| 4. FOIL | 8-III.B.1
9-12-III.B.1 |
| 5. Factoring Polynomials | 9-12-III.B.1 |
| 6. Graph Linear Equations | 9-12-III.B.3 |
| 7. Quadratic Formula | 9-12-III.B.8 |