



Key Topics by Grade with Illinois Performance Standards



3rd Grade

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| 1. Place Value to 10,000 | 3.6A.1
3.6A.2 |
| 2. Multi-Digit Addition | 3.6B.7 |
| 3. Multi-Digit Subtraction | 3.6B.7 |
| 4. Multiplication by a Single Digit | 3.6B.1
3.6B.4 |
| 5. Division by a Single Digit | 3.6B.1
3.6B.4 |
| 6. Geometry—Identifying Shapes | 3.9A.3 |
| 7. Basic Fractions | 3.6A.3
3.6A.4 |

4th Grade

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| 1. Place Value to 1,000,000 | 6.6A.1 |
| 2. Multi-Digit Multiplication | 4.6B.4 |
| 3. Long Division w/Single Digit Divisor | 4.6B.4 |
| 4. Geometry—Perimeter and Area | 5.7C.3 |
| 5. Algebra—Find the Missing Number or Sign | 4.8D.1 |
| 6. Add/Subtract Fractions w/Like Denominators | 4.6B.2 |
| 7. Basic Decimals—Add/Subtract Decimals | 4.6A.1
5.6B.7 |

5th Grade

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| 1. Graphing Coordinates | 6.6A.2
6.8B.3
6.9A.1 |
| 2. Long Division w/Multi-Digit Divisors | 4.6B.4 |
| 3. Multiply/Divide Decimals | 6.6C.2 |
| 4. Geometry—Area of Parallelograms and Triangles | 6.7C.1 |
| 5. Add/Subtract Integers | 7.6C.1 |
| 6. Add/Subtract Fractions w/Unlike Denominators | 5.6B.6 |
| 7. Decimals, Fractions, and Percents | 5.6A.2 |

6th Grade

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| 1. Factoring Numbers, GCF, and LCM | 6.6B.1
6.6B.2 |
| 2. Geometry—Circumference/Area of a Circle | 6.8C.6
7.7C.2 |
| 3. Add/Subtract Mixed Numbers | 7.6C.3 |
| 4. Ratios and Proportions | 6.6D.5
7.6D.2
7.6D.4 |
| 5. Multiply/Divide Integers | 7.6C.1 |
| 6. Algebra—Solve One-Step Equations | 6.8D.2 |
| 7. Compare/Order Fractions, Decimals, and Integers | 6.6A.4 |

7th Grade

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| 1. Order of Operations | 7.6B.5
8.6B.3 |
| 2. Multiply/Divide Fractions | 7.6C.3 |
| 3. Powers, Exponents, and Roots | 6.6A.5
8.6B.4 |
| 4. Algebra—Solve Two-Step Equations | 7.8D.1 |
| 5. Graphing Using the Slope Formula | 8.8B.5 |
| 6. Simplifying Fractions w/Variables | 9.8A.6 |
| 7. Pythagorean Theorem and Right Triangles | 7.9D.2 |

8th Grade

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| 1. Algebra—Solve Multi-Step Equations | 8.8C.2 |
| 2. Add/Subtract Polynomials | 9.8A.6 |
| 3. Multiply/Divide Polynomials | 9.8A.6 |
| 4. FOIL | 9.8A.6 |
| 5. Factoring Polynomials | 9.8A.6 |
| 6. Graph Linear Equations | 8.8B.1 |
| 7. Quadratic Formula | 9.8D.3 |