



Key Topics by Grade with Kansas Curricular Standards



3rd Grade

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| 1. Place Value to 10,000 | M.3.1.1.1a M.3.1.1.2a M.3.1.2.1 M.3.1.2.2 |
| 2. Multi-Digit Addition | M.3.1.1.3a M.3.1.4.4a |
| 3. Multi-Digit Subtraction | M.3.1.1.3a M.3.1.4.4a |
| 4. Multiplication by a Single Digit | M.3.1.4.2 M.4.1.4.2 |
| 5. Division by a Single Digit | M.3.1.4.2 M.4.1.4.2 |
| 6. Geometry—Identifying Shapes | M.3.3.1.1 M.3.3.1.4 M.3.3.1.5 |
| 7. Basic Fractions | M.3.1.1.1b M.3.1.1.2b |

4th Grade

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| 1. Place Value to 1,000,000 | M.4.1.1.1a M.4.1.1.2a M.4.1.2.1 M.4.1.2.3 |
| 2. Multi-Digit Multiplication | M.4.1.4.3b |
| 3. Long Division w/Single Digit Divisor | M.4.1.4.3e |
| 4. Geometry—Area and Perimeter | M.4.3.2.5a M.4.3.2.5b M.5.3.2.5 |
| 5. Algebra—Find the Missing Number or Sign | M.3.1.4.7 M.4.1.4.6 M.4.2.2.2a |
| 6. Add/Subtract Fractions w/Like Denominators | M.4.1.4.3f |
| 7. Basic Decimals—Add/Subtract Decimals | M.4.1.1.1c M.4.1.1.2c M.5.1.4.2c |

5th Grade

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| 1. Graphing Coordinates | M.5.2.3.5 M.6.2.3.4 |
| 2. Long Division w/Multi-Digit Divisors | M.5.1.4.2a |
| 3. Multiply/Divide Decimals | M.5.1.4.2d |
| 4. Geometry—Area of Parallelograms and Triangles | M.6.3.2.5 M.6.3.2.6 M.7.3.2.4 |
| 5. Add/Subtract Integers | M.6.1.4.2e M.7.1.4.2e |
| 6. Add/Subtract Fractions w/Unlike Denominators | M.5.1.4.2f |
| 7. Decimals, Fractions, and Percents | M.5.1.1.4 M.6.1.1.4 |

6th Grade

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| 1. Factoring Numbers, GCF, and LCM | M.5.1.4.4 M.6.1.4.4 M.6.1.4.5 |
| 2. Geometry—Circumference/Area of a Circle | M.7.3.2.4 |
| 3. Add/Subtract Mixed Numbers | M.5.1.4.2f |
| 4. Ratios and Proportions | M.6.2.2.5 |
| 5. Multiply/Divide Integers | M.7.1.4.2e |
| 6. Algebra—Solve One-Step Equations | M.6.2.2.1 M.6.2.2.3a |
| 7. Compare/Order Fractions, Decimals, and Integers | M.6.1.1.2a M.6.1.1.2b M.6.1.1.2c |

7th Grade

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| 1. Order of Operations | M.7.1.4.2f M.8.1.4.2b |
| 2. Multiply/Divide Fractions | M.6.1.4.2f M.7.1.4.2d |
| 3. Powers, Exponents, and Roots | M.6.1.4.2g M.7.1.4.2g M.9.1.1.1 |
| 4. Algebra—Solve Two-Step Equations | M.7.2.2.5b M.8.2.2.3a |
| 5. Graphing Using the Slope Formula | M.8.2.3.3 |
| 6. Simplifying Fractions w/Variables | M.8.1.4.3 |
| 7. Pythagorean Theorem and Right Triangles | M.8.3.1.6b |

8th Grade

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| 1. Algebra—Solve Multi-Step Equations | M.9.2.2.3a |
| 2. Add/Subtract Polynomials | M.8.1.4.2e |
| 3. Multiply/Divide Polynomials | M.9.1.4.2f |
| 4. FOIL | M.9.1.4.2f M.9.1.4.2e |
| 5. Factoring Polynomials | M.9.1.4.2d |
| 6. Graph Linear Equations | M.8.2.3.5 M.8.2.4.1g |
| 7. Quadratic Formula | M.9.2.2.3b |