



Key Topics by Grade with Colorado Mathematics Assessment Framework



3rd Grade

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| 1. Place Value to 10,000 | 3-1.2a-d |
| 2. Multi-Digit Addition | 3-6.1a
3-6.3b |
| 3. Multi-Digit Subtraction | 3-6.1a
3-6.3b |
| 4. Multiplication by a Single Digit | 3-1.4a
3-6.3a |
| 5. Division by a Single Digit | 4-6.3a |
| 6. Geometry—Identifying Shapes | 3-4.2a
3-4.2b |
| 7. Basic Fractions | 3-1.1b |

4th Grade

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| 1. Place Value to 1,000,000 | 4-1.2a
4-1.2b |
| 2. Multi-Digit Multiplication | 4-6.4b |
| 3. Long Division w/Single Digit Divisor | 4-6.4b |
| 4. Geometry—Area and Perimeter | 4-5.3a
4-5.3b
5-4.4a |
| 5. Algebra—Find the Missing Number or Sign | 4-2.1b
5-2.1b |
| 6. Add/Subtract Fractions w/Like Denominators | 4-6.2a |
| 7. Basic Decimals—Add/Subtract Decimals | 4-1.1a
4-6.2b |

5th Grade

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| 1. Graphing Coordinates | 5-4.4a
6-4.4a
7-4.4a |
| 2. Long Division w/Multi-Digit Divisors | 6-6.2d |
| 3. Multiply/Divide Decimals | 7-6.2b |
| 4. Geometry—Area of Parallelograms and Triangles | 6-5.4b |
| 5. Add/Subtract Integers | 7-6.2b |
| 6. Add/Subtract Fractions w/Unlike Denominators | 6.6.2b |
| 7. Decimals, Fractions, and Percents | 5-1.1b
5-1.4a
6-1.2a |

6th Grade

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| 1. Factoring Numbers, GCF, and LCM | 5-1.3a
6-1.3a |
| 2. Geometry—Circumference/Area of a Circle | 7-4.5a
7-4.5b |
| 3. Add/Subtract Mixed Numbers | 6-6.2b |
| 4. Ratios and Proportions | 7-6.1a |
| 5. Multiply/Divide Integers | 7-6.2b |
| 6. Algebra—Solve One-Step Equations | 6-1.2b
7-2.5a |
| 7. Compare/Order Fractions, Decimals, and Integers | 7-1.2a
7-1.2b |

7th Grade

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| 1. Order of Operations | 7-6.2a
8-6.2a |
| 2. Multiply/Divide Fractions | 7-6.2b |
| 3. Powers, Exponents, and Roots | 7-1.1c |
| 4. Algebra—Solve Two-Step Equations | 8-2.5a |
| 5. Graphing Using the Slope Formula | 7-2.3a |
| 6. Simplifying Fractions w/Variables | 8-2.2a |
| 7. Pythagorean Theorem and Right Triangles | 8-4.5b |

8th Grade

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| 1. Algebra—Solve Multi-Step Equations | 8-2.5a |
| 2. Add/Subtract Polynomials | 8-2.2a |
| 3. Multiply/Divide Polynomials | 8-2.2a |
| 4. FOIL | 8-2.2a |
| 5. Factoring Polynomials | 8-2.2a |
| 6. Graph Linear Equations | 8-2.1b
9-2.5b |
| 7. Quadratic Formula | 10-2.3a |