



Key Topics by Grade with Missouri Grade-Level Expectations



3rd Grade

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| 1. Place Value to 10,000 | 3-NO.1.A
3-NO.1.C |
| 2. Multi-Digit Addition | 3-NO.3.C |
| 3. Multi-Digit Subtraction | 3-NO.3.C |
| 4. Multiplication by a Single Digit | 3-NO.3.B |
| 5. Division by a Single Digit | 3-NO.3.B |
| 6. Geometry–Identifying Shapes | 3-G.1.A |
| 7. Basic Fractions | 3-NO.1.B
4-NO.1.B |

4th Grade

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| 1. Place Value to 1,000,000 | 4-NO.1.A
4-NO.1.C
5-NO.1.C |
| 2. Multi-Digit Multiplication | 4-NO.3.B
4-NO.3.C.1 |
| 3. Long Division w/Single Digit Divisor | 4-NO.3.C.2 |
| 4. Geometry–Area and Perimeter | 3-M.2.C
4-M.1.A
4-M.2.C |
| 5. Algebra–Find the Missing Number or Sign | 5-A.2.A |
| 6. Add/Subtract Fractions w/Like Denominators | 6-NO.3.C |
| 7. Basic Decimals–Add/Subtract Decimals | 4-NO.1.A |

5th Grade

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| 1. Graphing Coordinates | 5-G.2.A |
| 2. Long Division w/Multi-Digit Divisors | 5-NO.3.C |
| 3. Multiply/Divide Decimals | 4-NO.3.C.1 |
| 4. Geometry–Area of Parallelograms and Triangles | 5-M.2.C
6-M.2.C |
| 5. Add/Subtract Integers | 7-NO.2.B |
| 6. Add/Subtract Fractions w/Unlike Denominators | 6-NO.3.C |
| 7. Decimals, Fractions, and Percents | 5-NO.1.B
6-NO.1.B |

6th Grade

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| 1. Factoring Numbers, GCF, and LCM | 5-NO.1.D
6-NO.1.D |
| 2. Geometry–Circumference/Area of a Circle | 6-M.2.C |
| 3. Add/Subtract Mixed Numbers | 6-NO.3.C |
| 4. Ratios and Proportions | 6-NO.3.E
7-NO.3.E |
| 5. Multiply/Divide Integers | 8-NO.2.B |
| 6. Algebra–Solve One-Step Equations | 7-A.2.A |
| 7. Compare/Order Fractions, Decimals, and Integers | 6-NO.1.A |

7th Grade

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| 1. Order of Operations | 7-NO.2.C |
| 2. Multiply/Divide Fractions | 7-NO.3.C |
| 3. Powers, Exponents, and Roots | 5-NO.1.D
8-NO.2.D |
| 4. Algebra–Solve Two-Step Equations | 7-A.2.A |
| 5. Graphing Using the Slope Formula | 7-A.4.A
8-A.4.A |
| 6. Simplifying Fractions w/Variables | 9-A.2.B |
| 7. Pythagorean Theorem and Right Triangles | 8-G.1.A.1
9-G.1.A |

8th Grade

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| 1. Algebra–Solve Multi-Step Equations | 8-A.2.A |
| 2. Add/Subtract Polynomials | 9-A.2.B |
| 3. Multiply/Divide Polynomials | 9-A.2.B |
| 4. FOIL | 9-A.2.B |
| 5. Factoring Polynomials | 9-A.2.B |
| 6. Graph Linear Equations | 8-A.1.D |
| 7. Quadratic Formula | 10-A.2.A |