



Key Topics by Grade with Wisconsin WKCE Assessment Framework



3rd Grade

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

4th Grade

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

5th Grade

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| 1. Graphing Coordinates | 7-C.c.1 |
| 2. Long Division w/Multi-Digit Divisors | 6-B.b.2 |
| 3. Multiply/Divide Decimals | 7-B.b.1 |
| 4. Geometry—Area of Parallelograms and Triangles | 6-D.c.2
7-D.c.2 |
| 5. Add/Subtract Integers | 8-B.b.2 |
| 6. Add/Subtract Fractions w/Unlike Denominators | 6-B.b.4 |
| 7. Decimals, Fractions, and Percents | 6-B.a.7 |

6th Grade

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

7th Grade

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| 1. Order of Operations | 7-F.c.2 |
| 2. Multiply/Divide Fractions | 7-B.b.3
8-B.b.3 |
| 3. Powers, Exponents, and Roots | 10-B.b.1 |
| 4. Algebra—Solve Two-Step Equations | 7-F.b.4 |
| 5. Graphing Using the Slope Formula | 10-C.c.2 |
| 6. Simplifying Fractions w/Variables | 10-F.c.1 |
| 7. Pythagorean Theorem and Right Triangles | 10-C.c.2
10-C.c.3 |

8th Grade

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