



Key Topics by Grade with North Dakota Content Standards



3rd Grade

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| 1. Place Value to 10,000 | 3.1.1-3 |
| 2. Multi-Digit Addition | 3.1.13 |
| 3. Multi-Digit Subtraction | 3.1.13 |
| 4. Multiplication by a Single Digit | 3.1.15
3.1.20 |
| 5. Division by a Single Digit | 3.1.20 |
| 6. Geometry–Identifying Shapes | 3.2.1
3.2.3 |
| 7. Basic Fractions | 3.1.9 |

4th Grade

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| 1. Place Value to 1,000,000 | 4.1.1-3
4.1.5 |
| 2. Multi-Digit Multiplication | 4.1.13 |
| 3. Long Division w/Single Digit Divisor | 4.1.4 |
| 4. Geometry–Area and Perimeter | 4.4.3
4.4.6
5.4.6 |
| 5. Algebra–Find the Missing Number or Sign | 3.5.4
3.5.5 |
| 6. Add/Subtract Fractions w/Like Denominators | 4.1.15 |
| 7. Basic Decimals–Add/Subtract Decimals | 3.1.5
4.1.1
4.1.6
4.1.16 |

5th Grade

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| 1. Graphing Coordinates | 5.2.6
6.2.4 |
| 2. Long Division w/Multi-Digit Divisors | 5.1.22 |
| 3. Multiply/Divide Decimals | 5.1.25
6.1.10 |
| 4. Geometry–Area of Parallelograms and Triangles | 6.4.5
6.4.6 |
| 5. Add/Subtract Integers | 8.1.7 |
| 6. Add/Subtract Fractions w/Unlike Denominators | 5.1.23 |
| 7. Decimals, Fractions, and Percents | 5.1.11
6.1.3 |

6th Grade

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| 1. Factoring Numbers, GCF, and LCM | 5.1.17-19
6.1.5 |
| 2. Geometry–Circumference/Area of a Circle | 6.4.5
6.4.6 |
| 3. Add/Subtract Mixed Numbers | 5.1.23 |
| 4. Ratios and Proportions | 6.1.1
7.1.1 |
| 5. Multiply/Divide Integers | 8.1.7 |
| 6. Algebra–Solve One-Step Equations | 6.5.2
7.5.4 |
| 7. Compare/Order Fractions, Decimals, and Integers | 6.1.4 |

7th Grade

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| 1. Order of Operations | 7.1.6
7.5.3 |
| 2. Multiply/Divide Fractions | 6.1.11
7.1.7 |
| 3. Powers, Exponents, and Roots | 5.1.13
8.1.3 |
| 4. Algebra–Solve Two-Step Equations | 8.5.4 |
| 5. Graphing Using the Slope Formula | 7.5.6 |
| 6. Simplifying Fractions w/Variables | 8.5.3 |
| 7. Pythagorean Theorem and Right Triangles | 8.2.4 |

8th Grade

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| 1. Algebra–Solve Multi-Step Equations | 8.5.4 |
| 2. Add/Subtract Polynomials | 9-10.5.8 |
| 3. Multiply/Divide Polynomials | 9-10.5.8 |
| 4. FOIL | 9-10.5.8 |
| 5. Factoring Polynomials | 9-10.5.8 |
| 6. Graph Linear Equations | 9-10.5.12 |
| 7. Quadratic Formula | 9-10.5.9 |