



Key Topics by Grade with Alaska Performance Standards



3rd Grade

- | | |
|-------------------------------------|----------------------------|
| 1. Place Value to 10,000 | M1.2.1
M1.2.2
M1.2.4 |
| 2. Multi-Digit Addition | M3.1.3
M3.2.3 |
| 3. Multi-Digit Subtraction | M3.1.3
M3.2.3 |
| 4. Multiplication by a Single Digit | M3.1.4
M3.2.4 |
| 5. Division by a Single Digit | M3.1.4 |
| 6. Geometry—Identifying Shapes | M5.1.1
M5.1.2 |
| 7. Basic Fractions | M1.1.5 |

4th Grade

- | | |
|---|--------------------------------------|
| 1. Place Value to 1,000,000 | M1.2.1
M1.2.2
M1.2.4
M4.1.4 |
| 2. Multi-Digit Multiplication | M3.2.4 |
| 3. Long Division w/Single Digit Divisor | M3.2.4 |
| 4. Geometry—Area and Perimeter | M5.2.4 |
| 5. Algebra—Find the Missing Number or Sign | M4.1.4
M4.2.5 |
| 6. Add/Subtract Fractions w/Like Denominators | M3.2.3 |
| 7. Basic Decimals—Add/Subtract Decimals | M1.2.2
M3.2.3
M4.1.4 |

5th Grade

- | | |
|--|------------------|
| 1. Graphing Coordinates | M5.2.6 |
| 2. Long Division w/Multi-Digit Divisors | M3.2.4 |
| 3. Multiply/Divide Decimals | M3.2.4
M3.3.4 |
| 4. Geometry—Area of Parallelograms and Triangles | M5.2.4 |
| 5. Add/Subtract Integers | M3.3.4 |
| 6. Add/Subtract Fractions w/Unlike Denominators | M3.3.3 |
| 7. Decimals, Fractions, and Percents | M3.3.5 |

6th Grade

- | | |
|--|------------------|
| 1. Factoring Numbers, GCF, and LCM | M1.2.6 |
| 2. Geometry—Circumference/Area of a Circle | M5.2.4
M5.3.4 |
| 3. Add/Subtract Mixed Numbers | M3.3.3 |
| 4. Ratios and Proportions | M3.3.6 |
| 5. Multiply/Divide Integers | M3.3.4 |
| 6. Algebra—Solve One-Step Equations | M4.2.5
M4.3.5 |
| 7. Compare/Order Fractions, Decimals, and Integers | M1.3.1 |

7th Grade

- | | |
|--|--------------------------------------|
| 1. Order of Operations | M1.3.5 |
| 2. Multiply/Divide Fractions | M3.3.4 |
| 3. Powers, Exponents, and Roots | M1.4.3
M1.4.5
M1.3.1
M1.3.3 |
| 4. Algebra—Solve Two-Step Equations | M4.3.5 |
| 5. Graphing Using the Slope Formula | M5.4.5 |
| 6. Simplifying Fractions w/Variables | M4.4.5 |
| 7. Pythagorean Theorem and Right Triangles | M2.4.4 |

8th Grade

- | | |
|---------------------------------------|------------------|
| 1. Algebra—Solve Multi-Step Equations | M4.4.2 |
| 2. Add/Subtract Polynomials | M1.4.5
M4.4.5 |
| 3. Multiply/Divide Polynomials | M1.4.5
M4.4.5 |
| 4. FOIL | M1.4.5
M4.4.5 |
| 5. Factoring Polynomials | M1.4.5
M4.4.5 |
| 6. Graph Linear Equations | M4.4.4 |
| 7. Quadratic Formula | M4.4.2 |