



# Key Topics by Grade with Montana Standards for Mathematics



## 3rd Grade

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|-------------------------------------|-------|
| 1. Place Value to 10,000            | 4-2.2 |
| 2. Multi-Digit Addition             | 4-2.3 |
| 3. Multi-Digit Subtraction          | 4-2.3 |
| 4. Multiplication by a Single Digit | 4-2.4 |
| 5. Division by a Single Digit       | 4-2.4 |
| 6. Geometry–Identifying Shapes      | 4-4.1 |
| 7. Basic Fractions                  | 4-2.5 |

## 4th Grade

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|---|-------------------------|
| 1. Place Value to 1,000,000                   | 4-2.2                   |
| 2. Multi-Digit Multiplication                 | 8-2.1                   |
| 3. Long Division w/Single Digit Divisor       | 8-2.1                   |
| 4. Geometry–Area and Perimeter                | 4-5.2<br>8-5.3          |
| 5. Algebra–Find the Missing Number or Sign    | 4-3.1<br>4-3.2<br>4-3.3 |
| 6. Add/Subtract Fractions w/Like Denominators | 8-2.1                   |
| 7. Basic Decimals–Add/Subtract Decimals       | 8-2.1                   |

## 5th Grade

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|--|-------|
| 1. Graphing Coordinates                          | 8-4.3 |
| 2. Long Division w/Multi-Digit Divisors          | 8-2.1 |
| 3. Multiply/Divide Decimals                      | 8-2.1 |
| 4. Geometry–Area of Parallelograms and Triangles | 8-5.3 |
| 5. Add/Subtract Integers                         | 8-2.1 |
| 6. Add/Subtract Fractions w/Unlike Denominators  | 8-2.1 |
| 7. Decimals, Fractions, and Percents             | 8-2.2 |

## 6th Grade

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|--|----------------|
| 1. Factoring Numbers, GCF, and LCM                 | 8-2.4          |
| 2. Geometry–Circumference/Area of a Circle         | 8-5.3          |
| 3. Add/Subtract Mixed Numbers                      | 8-2.1          |
| 4. Ratios and Proportions                          | 8-2.3          |
| 5. Multiply/Divide Integers                        | 8-2.1          |
| 6. Algebra–Solve One-Step Equations                | 8-3.1<br>8-3.4 |
| 7. Compare/Order Fractions, Decimals, and Integers | 8-2.2          |

## 7th Grade

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|--|--------|
| 1. Order of Operations                     | 8-2.2  |
| 2. Multiply/Divide Fractions               | 8-2.1  |
| 3. Powers, Exponents, and Roots            | 12-2.1 |
| 4. Algebra–Solve Two-Step Equations        | 8-3.4  |
| 5. Graphing Using the Slope Formula        | 8-7.3  |
| 6. Simplifying Fractions w/Variables       | 12-3.2 |
| 7. Pythagorean Theorem and Right Triangles | 8-4.2  |

## 8th Grade

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|---------------------------------------|--------|
| 1. Algebra–Solve Multi-Step Equations | 8-3.4  |
| 2. Add/Subtract Polynomials           | 12-3.2 |
| 3. Multiply/Divide Polynomials        | 12-3.2 |
| 4. FOIL                               | 12-3.2 |
| 5. Factoring Polynomials              | 12-3.2 |
| 6. Graph Linear Equations             | 8-7.5  |
| 7. Quadratic Formula                  | 12-3.3 |