



# Key Topics by Grade with Mississippi Mathematics Framework



## 3rd Grade

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|-------------------------------------|-------------------------|
| 1. Place Value to 10,000            | 3.1.a<br>3.1.b<br>3.1.d |
| 2. Multi-Digit Addition             | 3.1.j                   |
| 3. Multi-Digit Subtraction          | 3.1.j                   |
| 4. Multiplication by a Single Digit | 3.1.k<br>3.1.l          |
| 5. Division by a Single Digit       | 3.1.m                   |
| 6. Geometry—Identifying Shapes      | 3.3.a<br>3.3.f<br>4.3.a |
| 7. Basic Fractions                  | 3.1.g<br>3.1.h          |

## 4th Grade

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|-----------------------------------------------|-------------------------|
| 1. Place Value to 1,000,000                   | 3.1.c<br>5.1.a<br>5.1.b |
| 2. Multi-Digit Multiplication                 | 4.1.c                   |
| 3. Long Division w/Single Digit Divisor       | 4.1.d                   |
| 4. Geometry—Area and Perimeter                | 3.3.c<br>4.4.g          |
| 5. Algebra—Find the Missing Number or Sign    | 4.2.c<br>4.2.f          |
| 6. Add/Subtract Fractions w/Like Denominators | 3.1.n<br>4.1.g          |
| 7. Basic Decimals—Add/Subtract Decimals       | 3.1.p<br>4.1.b          |

## 5th Grade

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|--------------------------------------------------|-----------------|
| 1. Graphing Coordinates                          | 5.1.f<br>7.3.i  |
| 2. Long Division w/Multi-Digit Divisors          | 4.1.d<br>5.1.i  |
| 3. Multiply/Divide Decimals                      | 5.1.h<br>5.1.i  |
| 4. Geometry—Area of Parallelograms and Triangles | 5.4.g<br>6.4.e  |
| 5. Add/Subtract Integers                         | 7.1.q<br>PA.1.d |
| 6. Add/Subtract Fractions w/Unlike Denominators  | 4.1.g           |
| 7. Decimals, Fractions, and Percents             | 5.1.e<br>6.1.m  |

## 6th Grade

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|----------------------------------------------------|-----------------|
| 1. Factoring Numbers, GCF, and LCM                 | 6.1.e<br>7.1.h  |
| 2. Geometry—Circumference/Area of a Circle         | 5.4.h<br>6.4.f  |
| 3. Add/Subtract Mixed Numbers                      | 5.1.j<br>6.1.j  |
| 4. Ratios and Proportions                          | 7.1.i<br>7.1.j  |
| 5. Multiply/Divide Integers                        | PA.1.d          |
| 6. Algebra—Solve One-Step Equations                | 6.2.a<br>7.2.c  |
| 7. Compare/Order Fractions, Decimals, and Integers | 7.1.p<br>PA.1.c |

## 7th Grade

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|--------------------------------------------|-------------------------|
| 1. Order of Operations                     | 7.1.b                   |
| 2. Multiply/Divide Fractions               | 6.1.j                   |
| 3. Powers, Exponents, and Roots            | 6.1.c<br>6.1.d<br>7.1.g |
| 4. Algebra—Solve Two-Step Equations        | PA.2.d                  |
| 5. Graphing Using the Slope Formula        | PA.2.g                  |
| 6. Simplifying Fractions w/Variables       | PA.1.f                  |
| 7. Pythagorean Theorem and Right Triangles | PA.3.e                  |

## 8th Grade

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|---------------------------------------|----------------------------|
| 1. Algebra—Solve Multi-Step Equations | AI.2.a                     |
| 2. Add/Subtract Polynomials           | PA.2.j<br>AI.2.g           |
| 3. Multiply/Divide Polynomials        | PA.2.j<br>PA.2.k<br>AI.2.g |
| 4. FOIL                               | PA.2.j<br>AI.2.g           |
| 5. Factoring Polynomials              | AI.2.h                     |
| 6. Graph Linear Equations             | PA.2.f                     |
| 7. Quadratic Formula                  | AI.2.i                     |