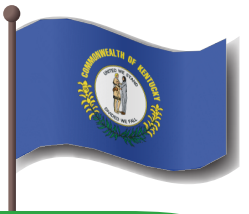




# Key Topics by Grade with Kentucky Core Content For Assessment



## 3rd Grade

- |                                     |  |
|-------------------------------------|--|
| 1. Place Value to 10,000            | MA-E.1.1.1<br>MA-E-1.1.5<br>MA-E-1.1.4<br>MA-E-1.2.1 |
| 2. Multi-Digit Addition             | MA-E.1.2.2   |
| 3. Multi-Digit Subtraction          | MA-E.1.2.2   |
| 4. Multiplication by a Single Digit | MA-E.1.2.2   |
| 5. Division by a Single Digit       | MA-E.1.2.2   |
| 6. Geometry–Identifying Shapes      | MA-E-2.1.1<br>MA-E-2.1.2<br>MA-E-2.2.1<br>MA-E-2.3.1 |
| 7. Basic Fractions                  | MA-E.1.1.1   |

## 4th Grade

- |   |  |
|---|--|
| 1. Place Value to 1,000,000                   | MA-E-1.1.1<br>MA-E-1.1.5<br>MA-E-1.2.1<br>MA-E-1.2.9 |
| 2. Multi-Digit Multiplication                 | MA-E-1.2.2   |
| 3. Long Division w/Single Digit Divisor       | MA-E-1.2.2   |
| 4. Geometry–Area and Perimeter                | MA-E-2.2.5   |
| 5. Algebra–Find the Missing Number or Sign    | MA-E-4.1.2<br>MA-E-4.2.3                             |
| 6. Add/Subtract Fractions w/Like Denominators | MA-E-1.2.3   |
| 7. Basic Decimals–Add/Subtract Decimals       | MA-E-1.2.3   |

## 5th Grade

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|--|--------------------------|
| 1. Graphing Coordinates                          | MA-M-4.1.3               |
| 2. Long Division w/Multi-Digit Divisors          | MA-E-1.2.2               |
| 3. Multiply/Divide Decimals                      | MA-M-1.2.1               |
| 4. Geometry–Area of Parallelograms and Triangles | MA-M-2.2.5<br>MA-M-2.1.2 |
| 5. Add/Subtract Integers                         | MA-M-1.1.1<br>MA-M-1.2.1 |
| 6. Add/Subtract Fractions w/Unlike Denominators  | MA-M-1.2.1               |
| 7. Decimals, Fractions, and Percents             | MA-M-1.3.1               |

## 6th Grade

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|--|--------------------------|
| 1. Factoring Numbers, GCF, and LCM                 | MA-M-1.2.4               |
| 2. Geometry–Circumference/Area of a Circle         | MA-M-2.2.5               |
| 3. Add/Subtract Mixed Numbers                      | MA-M-1.2.1               |
| 4. Ratios and Proportions                          | MA-M-1.1.3<br>MA-M-1.2.3 |
| 5. Multiply/Divide Integers                        | MA-M-1.2.1               |
| 6. Algebra–Solve One-Step Equations                | MA-M-4.2.2               |
| 7. Compare/Order Fractions, Decimals, and Integers | MA-M-1.3.3               |

## 7th Grade

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|--|--------------------------|
| 1. Order of Operations                     | MA-M-1.2.5               |
| 2. Multiply/Divide Fractions               | MA-M-1.2.1               |
| 3. Powers, Exponents, and Roots            | MA-M-1.1.2<br>MA-M-1.1.5 |
| 4. Algebra–Solve Two-Step Equations        | MA-M-4.2.2               |
| 5. Graphing Using the Slope Formula        | MA-M-4.3.1<br>MA-H-4.2.5 |
| 6. Simplifying Fractions w/Variables       | MA-M-4.2.1               |
| 7. Pythagorean Theorem and Right Triangles | MA-M-2.2.7               |

## 8th Grade

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|---------------------------------------|------------|
| 1. Algebra–Solve Multi-Step Equations | MA-H-4.2.1 |
| 2. Add/Subtract Polynomials           | MA-H-4.2.7 |
| 3. Multiply/Divide Polynomials        | MA-H-4.2.7 |
| 4. FOIL                               | MA-H-4.2.7 |
| 5. Factoring Polynomials              | MA-H-4.2.7 |
| 6. Graph Linear Equations             | MA-H-4.2.2 |
| 7. Quadratic Formula                  | MA-H-4.2.6 |