



# Key Topics by Grade with Texas Essential Knowledge and Skills



## 3rd Grade

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|-------------------------------------|--------------|
| 1. Place Value to 10,000            | 3.1A,B       |
| 2. Multi-Digit Addition             | 3.3A,B       |
| 3. Multi-Digit Subtraction          | 3.3A,B       |
| 4. Multiplication by a Single Digit | 3.4B<br>3.6B |
| 5. Division by a Single Digit       | 3.4C<br>3.6C |
| 6. Geometry—Identifying Shapes      | 3.8<br>4.8C  |
| 7. Basic Fractions                  | 3.2A,B,C,D   |

## 4th Grade

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|---|----------------------|
| 1. Place Value to 1,000,000                   | 4.1A                 |
| 2. Multi-Digit Multiplication                 | 4.4C,D<br>5.3B       |
| 3. Long Division w/Single Digit Divisor       | 4.4E                 |
| 4. Geometry—Perimeter and Area                | 3.11B<br>5.10B,C     |
| 5. Algebra—Find the Missing Number or Sign    | 4.6A<br>5.6          |
| 6. Add/Subtract Fractions w/Like Denominators | 4.2A                 |
| 7. Basic Decimals—Add/Subtract Decimals       | 4.1B<br>4.2D<br>4.3B |

## 5th Grade

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|--|-------------------------|
| 1. Graphing Coordinates                          | 5.9<br>6.7              |
| 2. Long Division w/Multi-Digit Divisors          | 5.3C                    |
| 3. Multiply/Divide Decimals                      | 7.2B                    |
| 4. Geometry—Area of Parallelograms and Triangles | 4.8A<br>5.10B,C<br>6.6A |
| 5. Add/Subtract Integers                         | 7.2C                    |
| 6. Add/Subtract Fractions w/Unlike Denominators  | 5.2B                    |
| 7. Decimals, Fractions, and Percents             | 5.2D<br>6.1B<br>7.1B    |

## 6th Grade

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|--|----------------------|
| 1. Factoring Numbers, GCF, and LCM                 | 5.3D<br>6.1D,E,F     |
| 2. Geometry—Circumference/Area of a Circle         | 6.6C<br>6.8B         |
| 3. Add/Subtract Mixed Numbers                      | 6.2B                 |
| 4. Ratios and Proportions                          | 6.3A,B               |
| 5. Multiply/Divide Integers                        | 7.2C                 |
| 6. Algebra—Solve One-Step Equations                | 6.5<br>A.4A          |
| 7. Compare/Order Fractions, Decimals, and Integers | 6.1A<br>7.1A<br>8.1A |

## 7th Grade

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|--|--------------|
| 1. Order of Operations                     | 7.2E         |
| 2. Multiply/Divide Fractions               | 7.2B         |
| 3. Powers, Exponents, and Roots            | 7.2E         |
| 4. Algebra—Solve Two-Step Equations        | 7.5B<br>A.4A |
| 5. Graphing Using the Slope Formula        | A.6A         |
| 6. Simplifying Fractions w/Variables       | A.4A         |
| 7. Pythagorean Theorem and Right Triangles | A.4B         |

## 8th Grade

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|---------------------------------------|-------------|
| 1. Algebra—Solve Multi-Step Equations | A.4A,B      |
| 2. Add/Subtract Polynomials           | A.4B        |
| 3. Multiply/Divide Polynomials        | A.4B        |
| 4. FOIL                               | A.4B        |
| 5. Factoring Polynomials              | A.4B        |
| 6. Graph Linear Equations             | 8.4<br>A.6D |
| 7. Quadratic Formula                  | A.10A       |