



# Key Topics by Grade with New Jersey Progress Indicators



## 3rd Grade

- 1. Place Value to  $10,000$  □3-4.1A.2
- 2. Multi-Digit Addition 3-4.1B.4a
- 3. Multi-Digit  $\square$  Subtraction □3-4.1B.4b
- 4. Multiplication by a Single Digit □□3-4.1B.1b  
3-4.1B.4c
- 5. Division by a Single Digit □3-4.1B.1c
- 6. Geometry—Identifying Shapes □3-4.2A.2c
- 7. Basic Fractions 3-4.1A.1b

## 4th Grade

- 1. Place Value to  $1,000,000$  □4-4.1A.1a  
4-4.1A.2  
4-4.1A.6
- 2. Multi-Digit  $\square$  Multiplication □4-4.1B.2  
4-4.1B.4c
- 3. Long Division  $\square$  w/Single Digit Divisor □4-4.1B.2  
□4-4.1B.4d
- 4. Geometry—Perimeter and Area □3-4.2E.2  
4-4.2E.1  
4-4.2E.2
- 5. Algebra—Find the Missing Number or Sign □□4-4.3C.2
- 6. Add/Subtract Fractions w/Like Denominators □4-4.1B.9
- 7. Basic Decimals—Add/Subtract Decimals □□4-4.1A.1c  
□4-4.1B.5

## 5th Grade

- 1. Graphing Coordinates □□7-4.2C.1
- 2. Long Division w/Multi-Digit Divisors □□5-4.1B.3
- 3. Multiply/Divide Decimals □□6-4.1B.2a
- 4. Geometry—Area of Parallelograms and Triangles □□6-4.2E.2a
- 5. Add/Subtract Integers □□6-4.1B.4
- 6. Add/Subtract Fractions w/Unlike Denominators □□5-4.1B.2a
- 7. Decimals, Fractions, and Percents □5-4.1A.4  
7-4.1A.5

## 6th Grade

- 1. Factoring Numbers, GCF, and LCM □6-4.1A.7
- 2. Geometry—Circumference/Area of a Circle □6-4.2E.2b
- 3. Add/Subtract Mixed Numbers □6-4.1B.2a
- 4. Ratios and Proportions □7-4.1A.3
- 5. Multiply/Divide Integers □7-4.1B.1a
- 6. Algebra—Solve One-Step Equations □□5-4.3D.1
- 7. Compare/Order Fractions, Decimals, and Integers □□6-4.1A.8

## 7th Grade

- 1. Order of Operations 7-4.1B.3
- 2. Multiply/Divide Fractions □6-4.1B.2a
- 3. Powers, Exponents, and Roots □7-4.1A.1c  
7-4.1B.2
- 4. Algebra—Solve Two-Step Equations □7-4.3D.2a
- 5. Graphing Using the Slope Formula □12-4.2c.1b
- 6. Simplifying Fractions w/Variables □7-4.3D.3a
- 7. Pythagorean Theorem and Right Triangles □8-4.2A.2

## 8th Grade

- 1. Algebra—Solve Multi-Step Equations □8-4.3D.2a
- 2. Add/Subtract Polynomials □12-4.3D.1a
- 3. Multiply/Divide Polynomials □12-4.3D.1b  
12-4.3D.1c
- 4. FOIL 12-4.3D.1b
- 5. Factoring Polynomials □12-4.3D.2b
- 6. Graph Linear Equations □7-4.3B.1
- 7. Quadratic Formula 12-4.3D.2b