



# Key Topics by Grade with Arizona Performance Objectives



## 3rd Grade

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|-------------------------------------|---------------------------------|
| 1. Place Value to 10,000            | 3-1.1.6                         |
| 2. Multi-Digit Addition             | 3-1.2.2                         |
| 3. Multi-Digit Subtraction          | 3-1.2.3                         |
| 4. Multiplication by a Single Digit | 3-1.2.7<br>3-1.2.10             |
| 5. Division by a Single Digit       | 3-1.2.8<br>3-1.2.10<br>3-1.2.12 |
| 6. Geometry—Identifying Shapes      | 3-4.1.4                         |
| 7. Basic Fractions                  | 3-1.1.11<br>3-1.1.13            |

## 4th Grade

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|---|----------------------|
| 1. Place Value to 1,000,000                   | 4-1.1.4<br>4-1.1.6-8 |
| 2. Multi-Digit Multiplication                 | 4-1.2.5<br>4-1.2.7   |
| 3. Long Division w/Single Digit Divisor       | 4-1.2.6              |
| 4. Geometry—Perimeter and Area                | 4-4.4.8-10           |
| 5. Algebra—Find the Missing Number or Sign    | 4-3.3.1              |
| 6. Add/Subtract Fractions w/Like Denominators | 4.1.2.12             |
| 7. Basic Decimals—Add/Subtract Decimals       | 4-1.1.15<br>4-1.1.16 |

## 5th Grade

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|--|----------------------|
| 1. Graphing Coordinates                          | 4-4.3.1<br>7-4.3.1   |
| 2. Long Division w/Multi-Digit Divisors          | 5-1.2.4              |
| 3. Multiply/Divide Decimals                      | 5-1.2.13<br>5-1.2.14 |
| 4. Geometry—Area of Parallelograms and Triangles | 6-4.4.7<br>6-4.4.9   |
| 5. Add/Subtract Integers                         | 7-1.2.1<br>7-1.2.2   |
| 6. Add/Subtract Fractions w/Unlike Denominators  | 6-1.2.7              |
| 7. Decimals, Fractions, and Percents             | 4-1.1.17<br>5-1.1.4  |

## 6th Grade

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|--|---------------------|
| 1. Factoring Numbers, GCF, and LCM                 | 6-1.1.5-7           |
| 2. Geometry—Circumference/Area of a Circle         | 7-4.4.4<br>7-4.4.5  |
| 3. Add/Subtract Mixed Numbers                      | 6-1.2.7             |
| 4. Ratios and Proportions                          | 6-1.1.1<br>8-3.3.11 |
| 5. Multiply/Divide Integers                        | 7-1.2.5<br>7.1.2.6  |
| 6. Algebra—Solve One-Step Equations                | 6-3.3.5             |
| 7. Compare/Order Fractions, Decimals, and Integers | 7-1.1.7             |

## 7th Grade

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|--|---|
| 1. Order of Operations                     | 6-1.2.15<br>7-1.2.12                        |
| 2. Multiply/Divide Fractions               | 6-1.2.9<br>6-1.2.10<br>6-1.2.12<br>6-1.2.13 |
| 3. Powers, Exponents, and Roots            | 8-1.2.3<br>8-1.2.4                          |
| 4. Algebra—Solve Two-Step Equations        | 8-3.3.9                                     |
| 5. Graphing Using the Slope Formula        | 8-3.4.1                                     |
| 6. Simplifying Fractions w/Variables       | HS-3.3.2                                    |
| 7. Pythagorean Theorem and Right Triangles | 8-3.3.12                                    |

## 8th Grade

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|---------------------------------------|-----------|
| 1. Algebra—Solve Multi-Step Equations | HS-3.3.8  |
| 2. Add/Subtract Polynomials           | HS-3.3.2  |
| 3. Multiply/Divide Polynomials        | HS-3.3.3  |
| 4. FOIL                               | HS-3.3.2  |
| 5. Factoring Polynomials              | HS-3.3.2  |
| 6. Graph Linear Equations             | 8-4.3.1   |
| 7. Quadratic Formula                  | HS-3.3.17 |