

Algebra Readiness: Textbook Connections

Prentice Hall Mathematics: California Algebra Readiness



Topic

Standards

Textbook Sections

UNIT 1

Transitional Standards		
Number Sense and Whole Numbers	<p>7NS1.2 Add, subtract, multiply, and divide rational numbers (integers, fractions, and terminating decimals) and take positive rational numbers to whole-number powers.</p> <p>7NS2.1 Understand negative whole-number exponents. Multiply and divide expressions involving exponents with a common base.</p> <p>7NS2.5 Understand the meaning of the absolute value of a number; interpret the absolute value as the distance of the number from zero on a number line; and determine the absolute value of real numbers.</p>	<p>1-1 Numerical Expressions</p> <p>1-2 Algebraic Expressions</p> <p>1-3 Writing Expressions</p> <p>1-3a Modeling Expressions</p> <p>1-5 Properties of Numbers</p> <p>1-6 Distributive Property</p>
Integers	<p>7AF1.2 Use the correct order of operations to evaluate algebraic expressions such as $3(2x + 5)^2$.</p> <p>7AF1.3 Simplify numerical expressions by applying properties of rational numbers (e.g., identity, inverse, distributive, associative, commutative) and justify the process used.</p> <p>7AF2.1 Interpret positive whole-number powers as repeated multiplication and negative whole-number powers as repeated division or multiplication by the multiplicative inverse. Simplify and evaluate expressions that include exponents.</p>	<p>2-1 Integers and Absolute Value</p> <p>2-2a Modeling Addition of Integers</p> <p>2-2 Adding Integers</p> <p>2-3a Modeling Subtraction of Integers</p> <p>2-3 Subtracting Integers</p> <p>2-4 Multiplying Integers</p> <p>2-5 Dividing Integers</p> <p>2-6 Positive Exponents</p>
Composition of Fractions		<p>4-1 Prime Factorization</p> <p>4-2 Greatest Common Divisor</p> <p>4-3a Exploring Fractions</p> <p>4-3 Equivalent Fractions</p> <p>4-4 Equivalent Forms of Rational Numbers</p> <p>4-5a Mixed Numbers</p> <p>4-5 Comparing and Ordering Rational Numbers</p>