

Theme	Aligned State Standard	Teacher Resources	Performance Indicator
Number Sense	6.A.3	Prentice-Hall Text	Students will represent fractions, decimals, percentages, exponents and scientific notation in equivalent forms.
Number Sense	6.A.	Prentice-Hall Text	Students will show relationships between sets of numbers, including rational numbers, whole numbers, natural numbers, and integers.
Number Sense	6.B.3a	Prentice-Hall Text	Students will solve practical computation problems involving whole numbers, integers and rational numbers.
Number Sense	6.B.3b	Prentice-Hall Text	Students will apply primes, factors, divisors, multiples, common factors and common multiples in solving problems.
Number Sense	6.B.3c	Prentice-Hall Text	Students will identify and apply properties of real numbers including pi, squares, and square roots.
Number Sense	6.C.3a	Prentice-Hall Text	Students will select computational procedures and solve problems with whole numbers, fractions, decimals, percents and proportions.
Number Sense	6.C.3b	Prentice-Hall Text	Students will show evidence that computational results using whole numbers, fractions, decimals, percents and proportions are correct and/or that estimates are reasonable.
Number Sense	6.D.3	Prentice-Hall Text	Students will apply ratios and proportions to solve practical problems.
Estimation and Measurement	7.A.3a	Prentice-Hall Text	Students will measure length, capacity, weight/mass and angles using sophisticated instruments (e.g., compass, protractor, trundle wheel).
Estimation and Measurement	7.A.3b	Prentice-Hall Text	Students will apply the concepts and attributes of length, capacity, weight/mass, perimeter, area, volume, time, temperature and angle measures in practical situations.

Estimation and Measurement	7.B.3	Prentice-Hall Text	Students will select and apply instruments including rulers and protractors and units of measure to the degree of accuracy required
Estimation and Measurement	7.C.3a	Prentice-Hall Text	Students will construct a simple scale drawing for a given situation.
Estimation and Measurement	7.C.3b	Prentice-Hall Text	Students will use concrete and graphic models and appropriate formulas to find perimeters, areas, surface areas and volumes of two- and three-dimensional regions.
Algebra and Analytical Methods	8.A.3a	Prentice-Hall Text	Students will apply the basic properties of commutative, associative, distributive, transitive, inverse, identity, zero, equality and order of operations to solve problems.
Algebra and Analytical Methods	8.A.3b	Prentice-Hall Text	Students will solve problems using linear expressions, equations and inequalities.
Algebra and Analytical Methods	8.B.3	Prentice-Hall Text	Students will use graphing technology and algebraic methods to analyze and predict linear relationships and make generalizations from linear patterns.
Algebra and Analytical Methods	8.C.3	Prentice-Hall Text	Students will apply the properties of numbers and operations including inverses in algebraic settings derived from economics, business and the sciences.
Algebra and Analytical Methods	8.D.3a	Prentice-Hall Text	Students will solve problems using numeric, graphic or symbolic representations of variables, expressions, equations and inequalities.
Algebra and Analytical Methods	8.D.3b	Prentice-Hall Text	Students will propose and solve problems using proportions, formulas and linear functions.
Algebra and Analytical Methods	8.D.3c	Prentice-Hall Text	Students will apply properties of powers, perfect squares and square roots.
Geometry	9.A.3a	Prentice-Hall Text	Students will draw or construct two- and three- dimensional geometric figures including prisms, pyramids, cylinders and cones.
Geometry	9.A.3b	Prentice-Hall Text	Students will draw transformation images of figures, with and without the use of technology.

Geometry	9.A.3c	Prentice-Hall Text	Students will use concepts of symmetry, congruency, similarity, scale, perspective, and angles to describe and analyze two- and three-dimensional shapes found in practical applications (e.g., geodesic domes, A-frame houses, basketball courts, inclined planes, art forms, blueprints).
Geometry	9.B.3 I	Prentice-Hall Text	Students will identify, describe, classify and compare two- and three-dimensional geometric figures and models according to their properties.
Geometry	9.C.3a	Prentice-Hall Text	Students will construct, develop and communicate logical arguments (informal proofs) about geometric figures and patterns.
Geometry	9.C.3b	Prentice-Hall Text	Students will develop and solve problems using geometric relationships and models, with and without the use of technology.
Geometry	9.D.3	Prentice-Hall Text	Students will compute distances, lengths and measures of angles using proportions, the Pythagorean theorem and its converse.
Statistics and Probability	10.A.3a	Prentice-Hall Text	Students will construct, read and interpret tables, graphs (including circle graphs) and charts to organize and represent data.
Statistics and Probability	10.A.3b	Prentice-Hall Text	Students will compare the mean, median, mode and range, with and without the use of technology.
Statistics and Probability	10.A.3c	Prentice-Hall Text	Students will test the reasonableness of an argument based on data and communicate their findings.
Statistics and Probability	10.B.3	Prentice-Hall Text	Students will formulate questions (e.g., relationships between car age and mileage, average incomes and years of schooling), devise and conduct experiments or simulations, gather data, draw conclusions and communicate results to an audience using traditional methods and contemporary technologies.
Statistics and Probability	10.C.3a	Prentice-Hall Text	Students will determine the probability and odds of events using fundamental counting principles.
Statistics and Probability	10.C.3b	Prentice-Hall Text	Students will analyze problem situations (e.g., board games, grading scales) and make predictions about results.