Algebra
Objective Description
Create and solve number sentences using common operations
Determine or generate the input/output rule from tables of numbers
Find the unknown numbers in whole-number addition, subtraction, multiplication, and division situations
Relate functions to real-world situations
Solve simple number sentences using concrete objects and trial and error
Use letters, boxes, or other symbols to stand for any number in simple expressions or equations
Use symbols to model equations, inequalities, and expressions
Use terms all, some, or none
Use the associative and commutative properties to simplify calculations
Use variables to represent unknowns

Geometry
Objective Description
Describe the relationships among points, lines, line segments, and rays
Identify and draw line segments
Identify congruence and construct congruent plane and solid geometric figures
Identify the properties of a triangle and a pyramid and the relationships between them
Identify, describe, and compare geometric figures in the real world
Locate points on a grid
Identify symmetry and construct symmetrical plane and solid geometric figures
Identify, describe, and draw parallel line segments
Identify, describe, and draw perpendicular line segments
Identify and describe properties of plane geometric figures
Identify and describe properties of solid geometric figures
Identify geometric properties that can be measured
Estimate angle measures
Sort geometric figures
Combine and separate geometric figures to create new geometric figures

Mathematical Processes
Objective Description
Solve problems by looking for a pattern
Solve simple logic problems
Ascribe a meaning to the solution in the context of the problem
Make connections between one mathematical problem and another
Identify relevant, missing, and extraneous information
Reason and support thinking using numbers, objects, pictures, technology, and words
Solve problems by working backwards
Solve problems by selecting the most appropriate method of calculation
Use a variety of methods to determine the solution(s)
Use the relationships among mathematical concepts as the basis for learning additional concepts
Solve problems using charts and tables
Solve problems using operations
Identify the relationships among graphical/numerical/physical/algebraic models and concepts
Explain how to solve a problem
Verify solutions

Measurement
Objective Description
Convert measurements
Solve real-world problems involving time
Understand measurable attributes of plane and solid geometric figures
Solve real-world problems involving capacity
Solve real-world problems involving weight/mass
Solve real-world problems involving money
Solve real-world problems involving perimeter
Use formulas to solve perimeter problems
Measure area using customary and metric units
Explore the relationship between perimeter and area
Estimate measures of volume
Measure perimeter using customary and metric units
Demonstrate an understanding of volume
Add, subtract, or compare measurements
Measure volume using customary and metric units

Numeration
Objective Description
Explore prime and composite numbers
Read whole numbers
Relate fractions to decimals
Round whole numbers
Apply place value concepts
Identify and represent equivalent fractions
Compare fractions
Make and test conjectures about properties of decimals
Explore decimals using a variety of representations
Represent equivalent forms of the same number
Explore concepts of factors
Solve problems with decimals
Develop a sense of the magnitude of decimals
Explore concepts of number lines
Explore fractions and mixed numbers using a variety of representations

Operations
Objective Description
Estimate division solutions
Solve multiplication problems with decimals
Use skip counting to solve multiplication problems
Show evidence that whole number computational results are correct and that estimates are reasonable
Solve addition problems with triple-digit numbers
Select and apply multiplication algorithms
Solve division problems with whole numbers with and without remainders
Solve subtraction problems with whole numbers
Solve subtraction problems with fractions
Solve addition problems with fractions
Solve subtraction problems with decimals
Use methods of estimation appropriate to a given situation
Use the commutative property of multiplication
Select and perform computational procedures to solve problems with whole numbers
Use the associative property of multiplication

Statistics & Probability
Objective Description
Analyze data
Read and interpret line graphs
Read and interpret line plots
Translate between displays of data
Explore graphs in which icons represent more than a single unit or intervals greater than one
Formulate and solve problems involving the collection, organization, and analysis of data
Make inferences and form hypotheses based on data
Identify events as certain or impossible
Draw conclusions from data
Collect and analyze data related to real-world situations
Represent probabilities as decimals, fractions, proportions, or ratios
Read and interpret charts and tables
Predict the most-, least-, and equally likely outcomes of an experiment and compare actual results
Formulate questions from data
Describe the concept of probability in relationship to chance and likelihood