

# First Grade Math Goals

## Unit 1

- develop number sense and number combinations to 10
- use mathematical models including the number rack and 5 and 10 frames
- subitize quantities to 10
- understand part-part-whole relationships including missing addend and subtraction problems

## Unit 2

- use strategies to add and subtract with sums and minuends to 20
- equal sign means the value is the same on both sides
- solve addition and subtraction story problems within 20 with the unknown in any position
- use  $>$   $<$   $=$  to record comparisons of numbers within 10

## Unit 3

- use of commutative and associative addition properties
- determine if addition expressions on either side of an equal sign are true or false
- solve for an unknown in an addition or subtraction number sentence with 3 whole numbers
- group and count objects by 2's, 5's, and 10's
- read numbers 0-120

## Unit 4

- addition and subtraction on the number line
- locate numbers on a number line using reasoning skills to determine unknown values 0-120
- skip-jumping along an open number line in multiples of 5 and 10 forward and backward from numbers both on and off the decade

## Unit 5

- use a variety of tools and models to explore 2-dimensional and 3-dimensional shapes and fractions (halves, thirds, fourths or quarters)
- shapes- identifying, describing, constructing, drawing, comparing, composing, and sorting them

## Unit 6

- addition and subtraction to 20
- develop fluency with addition and subtraction facts to 10 and strategies for working with facts to 20
- extensive use of the number rack to model and solve combinations and story problems of all types
- write and solve equations that involve unknowns in all positions and determine whether addition and subtraction equations are true or false

## Unit 7

- place value
- develop deeper understanding of numbers to 120
- estimate, count, compare, add & subtract two-digit numbers using familiar models such as sticks and bundles, dimes, nickels, pennies, and number lines

## Unit 8

- concept of change from several different angles
- blending math and science engaging activities