Partners, Problem Drawings, and Tens

Learning Progressions for the Common Core Standards
Counting and Cardinality, Operations and Algebraic Thinking, and Number and Operations in Base Ten

In Grade K, children will	In Grade 1, children will
• recognize that a collection of objects is composed of two subcollections and combine their cardinalities to find the cardinality of the collection (conceptual subitizing). • identify which of two groups has more than (or fewer than, or the same amount as) the other. • act out adding and subtracting situations by representing quantities with objects, their fingers, and math drawings. • compose and decompose numbers from 11 to 19 into ten ones and some further ones (the first step in understanding base-ten notation).	• see the first addend as embedded in the total, using counting on as a strategy. • compare two quantities to find "How many more" or "How many less." • represent problems with equations, called situation equations. • learn to view ten ones as a unit called a ten and to view the numbers 11 to 19 as composed of 1 ten and some ones.

Content Standards Across the Grades

Grade K	Grade 1
• Know number names and the count sequence. [CC.K.CC.1, 3] • Count to tell the number of objects. [CC.K.CC.4a, 4b, 4c, 5] • Compare numbers. [CC.K.CC.6, 7] • Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from. [CC.K.OA 1, 2, 3, 4, 5] • Work with numbers 11–19 to gain foundations for place value (CC.K.NBT.1) • Identify and describe shapes (squares, circles, triangles, rectangles, hexagons, cubes, cones, cylinders, and spheres). [CC.K.G 1, 2] • Analyze, compare, create, and compose shapes. [CC.K.G 4]	• Represent and solve problems involving addition and subtraction. [CC.1.OA.1] • Understand and apply properties of operations and the relationship between addition and subtraction. [CC.1.OA.3] • Add and subtract within 20. [CC.1.OA.5, 6] • Work with addition and subtraction equations. [CC.1.OA.7, 8] • Extend the counting sequence. [CC.1.NBT.1] • Understand place value. [CC.1.NBT.2, 2a, 2b, 2c, 3] • Use place value understanding and properties of operation to add and subtract. [CC.1.NBT.5] • Represent and interpret data. [CC.1.MD.4] • Reason with shapes and their attributes. [CC.1.G.1, 2]