

Key Education Publishing
Specific Skills: *Place Value Level 2*
Correlation to NCTM Principles and Standards for School Mathematics

This book supports the NCTM Principles and Standards for School Mathematics

This book and the activities in it support the following Number and Operations Standard Expectations for Grades Pre-K--2:

1. **Students count and recognize the number of objects in a set.** In this book, students count by ones, tens, hundreds, and backwards and must recognize the number of objects in sets for many activities.
2. **Students use various representations to develop understanding of place value and the base-ten number system.** In this book, students use pictures, money, base ten blocks, place value charts, words, expanded form, ten frames, and hundreds boards to understand place value.
3. **Students understand the relative position and size of ordinal and cardinal numbers.** Ordering and comparing activities in this book support this skill.
4. **Students develop whole number sense and use numbers in flexible ways, including relating, composing, and decomposing them.** Several activities in this book support the development of number sense through the relating, composing, and decomposing of numbers.
5. **Students connect number words to numerals and to the quantities they represent using different physical representations.** Several activities in this book require students to connect number words to numerals.
6. **Students understand the meanings of addition and subtraction of whole numbers and how the two operations relate to each other.** This book contains many addition and subtraction activities that support this standard.
7. **Students understand what happens when they add or subtract whole numbers.** This book contains many addition and subtraction activities that support this standard.
8. **Students use a variety of strategies for whole-number computation, focusing on addition and subtraction.** For the addition and subtraction activities in this book, students use a variety of strategies including place value charts and pictures.
9. **Students use different methods and tools to compute, including concrete objects, mental math, estimation, paper and pencil, and calculators.** For the addition and subtraction activities in this book, students use a variety of strategies, such as place value charts, pictures, and base-ten models.

This product and the activities in it support the following Algebra Standard Expectations for Grades Pre-K--2:

1. **Students sort, classify, and order objects by a variety of properties.** This book includes number ordering activities that support this standard.
2. **Students recognize, describe, and extend simple sound, shape, or numeric patterns and change patterns from one form to another.** Number ordering activities in this book give students practice in extending numeric patterns.
3. **Students recognize how repeating and growing patterns are created.** The Numbers Rule! Center activity in this book gives students practice in recognizing the rules behind growing patterns.