

Key Education Publishing
Specific Skills: Place Value Level 3
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 3-5:

- 1. Students understand the base-ten number system's place value structure and can represent and compare whole numbers and decimals.** Activities in this book focus on place value, representation, and comparison of whole numbers.
- 2. Students recognize equivalent ways to represent the same number and generate equivalent numbers by composing or decomposing.** In *Place Value Level 3*, students learn to represent equivalent numbers with pictures, base ten models, words, expanded form, and by composing and decomposing numbers.
- 3. Students become fluent in adding, subtracting, multiplying, and dividing whole numbers.** Several activities in this book provide practice in adding and subtracting.
- 4. Students select appropriate computation methods and tools from among mental math, estimation, calculators, and paper and pencil according to the context, then use the selected methods and tools.** The Deep Sea Diving partner game in this book allows students to select and carry through with various computation methods.

This product and the activities in it support the following Algebra Standard Expectations for Grades 3-5:

- 1. Students describe, extend, and generalize about geometric and numeric patterns.** Several ordering and skip counting activities in this book give students practice in extending numeric patterns.
- 2. Students model problems with objects and use graphs, tables, and equations to draw conclusions.** In *Place Value Level 3*, students model addition and subtraction problems using base 10 models.