

# Introduction

## TEACHER INSTRUCTIONS

*Basic Math Practice* is a series of reproducible activities designed to help students master basic math concepts. Students can find math difficult when their reading abilities impair their understanding of math concepts. *Basic Math Practice* provides such students a tool for developing their math skills and acquiring a mathematical foundation without requiring on-level reading skills.

While many basic math programs provide general overviews of each basic math skill, *Basic Math Practice* addresses skills in a variety of formats with multiple activities so that individual learning styles are addressed. This series consists of four books, each with over 150 activities that teach and reinforce basic math skills. The series is organized based on developmental progression. Therefore, the activities in each unit become progressively more advanced.

While *Basic Math Practice* is designed as a supplemental program for reinforcing previously learned skills, it can also be used as additional practice for students who struggle with mastering specific skills. The activities included in *Basic Math Practice* are age-appropriate and presented at a low-readability level to ensure success for students who struggle with reading. Additionally, the worksheets contain numerous illustrations to further promote success and understanding of math concepts with little reading. The *Measurement* book will only address the customary units of measurement associated with length, weight, capacity, time, and temperature.

### Features

This series is designed to motivate and engage students, who may have difficulty reading, in acquiring basic mathematical skills. Each unit within this book contains the following features:

**Overview** – This page provides the objectives for the unit, definitions of important terms used in the unit, and explanations of the concepts covered and the order in which they are presented in the unit.

**Parent/Guardian Letter** – This letter provides students' parents/guardians with explanations of each new skill that will be taught. The letter also provides explanations of the take-home activities that the students will complete at home to reinforce the skills learned at school.

**Activity Directions for Nonstandard and Standard Sections** – These pages provide the teacher directions for organizing and preparing the activities, lists of required materials for the worksheets, and suggestions for hands-on teaching methods pertaining to the section.

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**Unit Worksheets and Activities** – These pages provide simple instructions and activities that address nonstandard and standard units of measure. The worksheets include pictorial representations, real-world problems, and word problems that require the students to use problem-solving skills through hands-on experience. A group activity and a take-home activity are included for both the nonstandard and standard sections of each unit.

**Unit Assessments** – These activities allow the teacher to gauge students' comprehension and mastery of the skills. Additionally, these assessments help students become familiar with standardized-test formats.

### Five Units

Overviews, teacher instructions, unit worksheets, and assessments are presented in five units. The units are:

1. Linear
2. Weight
3. Capacity
4. Time
5. Temperature

This order is the suggested sequence for approaching the measurement skills included in this book. However, the units can be presented in any order based on students' needs or curriculum requirements.

### Research and Standards

*Basic Math Practice: Measurement* has been designed with recent research regarding teaching mathematics in mind. Relevant quotes from the research as well as a list of state and national standards met by this program can be found on page XIII.

### Progress Chart

A progress chart is included on page XIV so that teachers can track students' skill mastery. The progress chart can also be used as a visual aid for communicating students' progress to their parents.