

Introduction

TEACHER INSTRUCTIONS

Basic Math Practice is a series of reproducible activities designed to help students master basic math concepts. Students can sometimes 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.

Many basic math programs simply provide general overviews of each skill covered. However, *Basic Math Practice* addresses skills in a variety of formats with multiple activities, making the program appropriate for students who have different learning styles. This series consists of six books, each with over 100 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.

The lessons and activities included in *Basic Math Practice* are age-appropriate and are presented at a low reading level to ensure success for students who struggle with reading. Additionally, the worksheets contain simplified directions and explanations of the activities, as well as numerous visuals, to further promote success and understanding of math concepts with minimal reading. The *Fractions, Decimals, and Percents* book addresses a variety of skills, including understanding the relationships of fractions, decimals, and percents; applying mathematical operations to fractions, decimals, and percents; converting fractions, decimals, and percents; and using fractions, decimals, and percents to solve real-world problems.

Why are these skills important?

Understanding whole numbers and their applications is difficult for students who struggle with math. Working with fractions, decimals, and percents is even more challenging because students have to apply abstract skills to numbers with values less than 1. To grasp fractions, decimals, and percents, students must also be able to use higher-level math skills like multiplication and division.

Mastering these concepts is essential because fractions, decimals, and percents are used in many real-world situations. For example, students encounter fractions when measuring ingredients for a recipe, finding their height, or determining distance traveled; decimals when counting money, making purchases, or reading the mileage on a vehicle; and percents when calculating interest, taxes, or discounts on purchased items.

Students must be able to understand and apply fractions, decimals, and percents, as well as make conversions. The standards set by the National Council of Teachers

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of Mathematics (NCTM) state that students in all grade levels must be able to recognize and generate equivalent representations for the same number less than 1; use fractions, decimals, and percents to solve problems; use fractions, decimals, and percents in computations; and apply these skills to relevant, real-world situations.

Features

This series is designed to motivate and engage students who may have difficulty reading, helping them acquire basic math skills. Each unit in the book contains the following:

Teacher Instructions – These pages provide objectives for the unit, definitions of important terms used in the unit, and suggested student-centered activities that will aid the teacher in introducing, reinforcing, and reviewing each math skill.

Unit Worksheets – These pages provide simple instructions, examples, and activities that address the skills of understanding and working with fractions, decimals, and percents. The worksheets include pictorial representations, word problems, and real-world problems that require students to use problem-solving skills. A group activity and a take-home activity are included.

Unit Assessments – These tests allow the teacher to gauge students' comprehension and mastery of the skills covered in each unit. Additionally, these assessments help students become familiar with standardized test formats. Assessments are included at the end of each unit.

Three Units

Teacher instructions, worksheets, and assessments are presented in three units:

1. Fractions
2. Decimals
3. Percents

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