Math Mammoth Decimals 2
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Introduction

Math Mammoth Decimals 2 is a book about decimal place value and the four operations with decimals. It is most suitable for fifth and sixth grade.

The book starts with a short review of previously learned concepts (from *Math Mammoth Decimals 1*): place value with tenths and hundredths, and adding and subtracting decimals that have tenths and hundredths.

The rest of the book is spent learning the four operations of decimals with numbers that have up to three decimal digits, and especially concentrating on decimal multiplication and division. We start by learning place value, comparing, and rounding decimals (tenths, hundredths, and thousandths). After that follow addition and subtraction, and then various multiplication and division topics.

I have tried to emphasize mental calculations based on conceptual understanding of decimals. The text often includes little tips or "tricks" that help with mental calculations. Along with all that, the book has lessons on long multiplication and long division with decimals. Problems that show a little calculator picture are meant to be solved with the help of a calculator. Otherwise, the use of a calculator should not be allowed in solving the problems.

The last lessons deal with converting between customary units of measurement, and problem solving. They are included here since the problems involve the usage of decimal numbers, and also because the material for this book is taken from the recently updated fourth and sixth chapters of the *Math Mammoth Grade 5-A and 5-B Complete Worktexts*, which includes those problem solving lessons.

After this book, the student should understand how to perform all of the four operations with decimals. However, please note that this book does not practice these operations with decimals that have more than 3 decimal digits. Students in sixth grade or higher should also practice solving problems with decimals with much longer decimals. For fifth grade, I feel this book covers the topic sufficiently.

You can make additional supporting worksheets on this page:
https://www.homeschoolmath.net/worksheets/grade_5.php
Scroll down to the "Decimals" section.

> *I wish you success in teaching math!*
>
> *Maria Miller, the author*