## **Contents**

Introduction	5
Ratios	
Ratios 1 Ratios 2 More on Ratios	7 8
Proportions	
Proportions Proportions Problems with Ratios Proportion Problems Ratios and Proportion More on Ratios and Proportions	11 12 13 14
Problems with Parts and Ratios	
Find Whole From Part	17 18 19 20
Percent	
Understanding Percent Fractions/Percents Percents and Decimals Finding Percent of Number Mental Math in Percent Problems Fraction, Percent and Decimals Ratios and Percents Which Part? What Part and Percent Percent Fact Sheet Using Decimals in Percent Problems	23 24 25 26 27 28 29 30 31 32
Using Percent Proportions  Practicing with Percent	

## **Percent Applications**

Circle Graphs	35
Circle Graphs and Percents	36
Fractions and Decimals in Measurement	
Percent of Change	38
Percent	39
Percent of Change	40
Simple Interest	41
More Percent Problems	42
Proportional Relationships and Slope	
	43
Proportional Relationships and Slope 1	
Proportional Relationships and Slope 1	44
Proportional Relationships and Slope 1	44 45

## Introduction

Math Mammoth Ratio, Proportion & Percent Worksheets Collection includes worksheets from Math Mammoth Grade 6, Grade 7, and Algebra 1 worksheets collections.

The worksheets in this book have been pulled out of those aforementioned collections to create a separate, handy package for those who would need worksheets or a workbook concentrating on various ratio, proportion, and percent topics in grades 6-8.

This could be useful for example in remedial teaching, in adult teaching centers, or just reviewing.

In this collection, the worksheets are not organized by grade level by by topic (see the table of contents).

The first section of this collections starts out with ratio-related problems. Then come proportions, including lots of word problems. Continuing on comes a section on part-related problems. These word problems typically include finding a fractional part, or finding the whole when part is given.

The next section is on percent. Various worksheets practice finding percent of a number, including mentally. Word problems are numerous. The next section has worksheets about various percent applications, such as circle graphs, discounts, and simple interest.

The last section in this collection contains worksheets about slope and how it relates to a proportional relationship between two variables. These are naturally geared towards pre-algebra or algebra.

I hope the problems will fit your needs.

I wish you success with teaching math!

Maria Miller, the author