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Introduction

Math Mammoth Multiplication 2 is a continuation to Math Mammoth Multiplication 1. It covers multi-digit multiplication and related topics.

While the first lessons briefly review the multiplication concept and the times tables, the focus is on multi-digit multiplication (also called algorithm of multiplication, or multiplying in columns).

We start out by multiplying by whole tens and hundreds. After this is mastered, comes the very important concept of **multiplying in parts**. This essentially means that 4×63 is done in two parts: 4×60 and 4×3 , and the results are added.

The whole algorithm of multiplication is based on this principle, so it is important to master it. I don't want kids to multiply in columns "blindly", without understanding what is going on with that algorithm.

Before showing the traditional form of multiplying in columns, the lesson *Multiply in Columns - the Easy Way* shows a simplified form of the same, which is essentially just multiplying in parts. You may skip that lesson at your discretion or skim through it quickly if your child is ready to understand the standard form of the algorithm, which comes next.

Other lessons in this chapter practice estimation and order of operations, and multiplying with money. Many kinds of word problems abound.

The lesson "*So Many of the Same Thing*" could be entitled "Proportional Reasoning" but I wanted to avoid scaring parents and children with such a high-sounding phrase. The idea in that lesson is really simple, but it does prepare for proportions as they are taught in 7th grade and in algebra.

After that, we multiply by whole hundreds in order to prepare for double-digit multiplier problems, and to understand the algorithm of multiplication with more digits.

I wish you success with math teaching!

Maria Miller, the author