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# Introduction

*Math Mammoth Grade 3-A Worksheets Collection* is created with teachers' needs in mind: each worksheet is exactly one page, concentrating on one topic (with the exception of some “review” worksheets); therefore they are easy to assign for students.

These aren't your “run-of-the-mill” worksheets. Each worksheet has been “handcrafted”, with varying problems that both emphasize understanding of concepts and practice computation. Word problems are quite numerous. In essence, the problems in the worksheets are like what you would find in a regular math book, and far from the mechanical worksheets created by a script.

The 3-A worksheets start out with fairly simple mental addition and subtraction problems within 0-100 and accompanying word problems. Then comes place value practice with thousands (within 0-10,000), and adding/subtracting these five-digit numbers. Rounding and estimating are the last topics in this first segment and a few review worksheets follow.

The next segment is all about multiplication concept and practicing the times tables. There are worksheets for all aspects of the concept itself—such as multiplication 'both ways' (how it is commutative), or on a number line, or multiplying by zero and one.

There is a separate worksheet for each of the multiplication tables. They are in a specific order with the easiest ones first. Each table builds upon the facts already studied. Little tricks to help memorization are also explained. The practice worksheets also feature a multiplication chart that has only those cells empty that the student has studied up to that point—and the rest of the facts are 'blocked out'.

Filling the chart after every few tables gives the student a lot of assurance in his abilities to memorize all the facts, because the ones still blocked out do not seem to be so many.

There are two worksheets about multiplying 2-digit numbers, marked with an asterisk, since I consider these to be advanced for 3rd grade.

The 3-B collection covers division, geometry, fractions, measuring, and graphs.

Please also see my free worksheet generators that allow you to make worksheets for dozens of topics at <http://www.homeschoolmath.net/worksheets>

*I wish you success with math teaching!*

*Maria Miller, the author*