

**A SUPPLEMENT TO
ACCOMPANY THE
ADVANCED ARITHMETIC IN
THE CALIFORNIA STATE SERIES**

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A Supplement to Accompany the Advanced Arithmetic in the California State Series by A. W. Plummer

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TO ACCOMPANY
THE ADVANCED ARITHMETIC
IN THE
CALIFORNIA STATE SERIES

BY
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Dedicated

TO THE BOYS AND GIRLS WHO THINK THE STUDY THAT
SHOULD BE THE EASIEST TO COMPREHEND,
THE MOST DIFFICULT

PREFACE.

THIS little book is based upon notes used, and work done, by the author, in the schoolroom with the several grades for which it is designed.

It is believed to be practical and logical. The purpose has been to make the statements clear, concise, and just as they would be told outside of a schoolroom, divorced from all the mystified atmosphere of something foreign to real life.

There seems to be a demand from teachers, parents, and pupils for something more explicit upon the different principles of arithmetic than is given in the State text-book. This demand, coupled with the author's own experience and success in the line of work herein suggested, together with the expressed desire of some of his co-laborers, induced him to put his notes into book form for the use of both pupils and teachers.

It is hoped that the work will meet with favor, and that some of the seemingly difficult things may be made easier by its use.

A. W. P.

LOS ANGELES, CAL.

SUPPLEMENT TO ADVANCED ARITHMETIC

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ARITHMETIC.

Beyond the writing and reading of numbers—whole and decimal—and the principles of addition, subtraction, multiplication, and division, there is but little more than is involved in the questions of price, quantity, and cost, with which all school boys and girls are familiar.

The first year's work with the advanced arithmetic is the most important, as it lays, or should lay, the foundation of all that follows.

There should be less memorizing and more thinking.

There must be a unit or base upon which all operations are built.

All topics must be mastered, as each prepares for succeeding ones, and the reviews should be sufficiently frequent and comprehensive to fix the relations existing between the different parts of the whole subject. I trust that the topical outline at the end of this little work may be of value to teachers and pupils in making their reviews.

Arithmetic teaches the knowledge and use of numbers.

A **number** is a unit or a collection of units; as, 1, 27.

Every number has a unit of measure; as, 1 for 7, \$1 for \$7; and in 7 or \$7 there are 7 of the units of measure.