

**PRIMARY
ARITHMETIC: FOR
GRADED SCHOOLS**

Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649679072

Primary Arithmetic: For Graded Schools by Samuel Hamilton

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SAMUEL HAMILTON

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FOR GRADED SCHOOLS

BY

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NEW YORK ·· CINCINNATI ·· CHICAGO
AMERICAN BOOK COMPANY

B. W.

PREFACE

THIS Primary Arithmetic is intended to cover the work of the first four years. It is divided into three parts.

Part One includes the work ordinarily done during the *first and second years*.

Part Two includes the work of the *third year*. It is devoted mainly to the presentation of the elementary facts and tables of arithmetic.

The text-book should be placed in the hands of the pupil when he enters upon the work found in Part Two.

Part Three covers the work of the *fourth year*. Its purpose is to give a mastery of the fundamental operations, and, through the study of problems, to develop the ability to use these operations in a practical way.

The aim of this course is twofold: first, to give the child mathematical skill; second, to give him mathematical power.

To these ends attention is invited to the following:

1. The prominence given to drill intended to give skill, and the frequency of systematic reviews.
2. The Study of Problems intended to give mathematical power.
3. The plan which provides an easy treatment of each subject before the complete treatment of it.
4. The easy steps in gradation.
5. The emphasis given to business arithmetic.
6. The appeal made to observation as a stimulus to mathematical thought.

In many schools the unit of classification is the half year. With this in view, the subject matter in the third and fourth years has been separated into two parts. The easy treatment of topics covers the first half of the year, and the more complete treatment the second half.

SAMUEL HAMILTON.

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PART I—FIRST AND SECOND YEARS

COUNTING NUMBERS TO TEN



How many books are there in this picture?

Count the caps. How many more caps are there than books?



Count the bells. How many are there? Think that you hear them ring 1, 2, 3, 4.

How many ducks do you see in this picture? Tell a story about them.

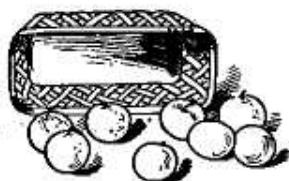


If Rob has as many tops as you see in this picture, how many has he?



One day I saw seven eggs in a nest. How many are there in this one?

Count the apples. How many more apples are there than eggs?



Count the number of birds that you see in this picture.

Here are ten balls. Count these balls.



You have named ten numbers and you can write them either in words or in figures.

naught	one	two	three	four	five	six	seven	eight	nine	ten
0	1	2	3	4	5	6	7	8	9	10

