WORK AND PLAY WITH NUMBERS

Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649503414

Work and Play with Numbers by George Wentworth & David Eugene Smith

Except for use in any review, the reproduction or utilisation of this work in whole or in part in any form by any electronic, mechanical or other means, now known or hereafter invented, including xerography, photocopying and recording, or in any information storage or retrieval system, is forbidden without the permission of the publisher, Trieste Publishing Pty Ltd, PO Box 1576 Collingwood, Victoria 3066 Australia.

All rights reserved.

Edited by Trieste Publishing Pty Ltd.
Cover @ 2017

This book is sold subject to the condition that it shall not, by way of trade or otherwise, be lent, re-sold, hired out, or otherwise circulated without the publisher's prior consent in any form or binding or cover other than that in which it is published and without a similar condition including this condition being imposed on the subsequent purchaser.

www.triestepublishing.com

GEORGE WENTWORTH & DAVID EUGENE SMITH

WORK AND PLAY WITH NUMBERS

Trieste

WORK AND PLAY WITH NUMBERS

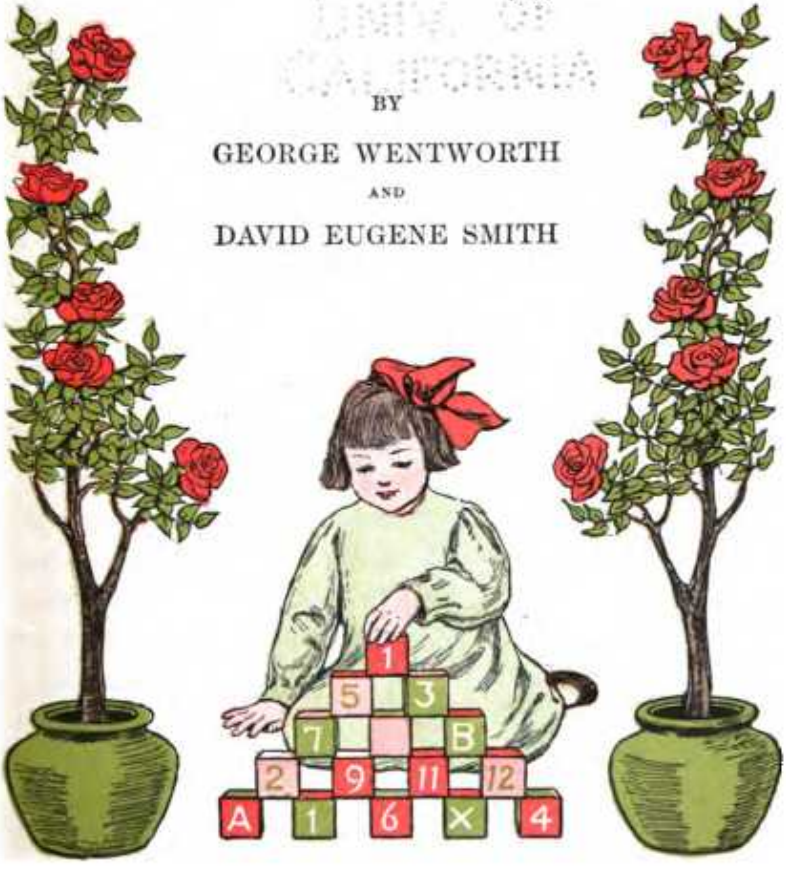
UNIV. OF CALIFORNIA

BY

GEORGE WENTWORTH

AND

DAVID EUGENE SMITH



GINN AND COMPANY

BOSTON · NEW YORK · CHICAGO · LONDON

LB1537
W4

COPYRIGHT, 1912, BY GEORGE WENTWORTH
AND DAVID EUGENE SMITH
ENTERED AT STATIONERS' HALL
ALL RIGHTS RESERVED

523.10

The Athenæum Press
GINN AND COMPANY · PROPRIETORS · BOSTON · U.S.A.

PREFACE

It has been recognized ever since the days of Pestalozzi that children when they first enter school have a taste for number work and also a considerable knowledge of numerical forms. They use numbers in their games, they talk about them, they like to count, and they enjoy a little work and play with numbers within their mental grasp.

On the other hand, children of this age are not ready for such a study of arithmetic as the formal textbook offers. A textbook of that kind would take away their love for number and would place upon them a burden heavier than they could carry.

Not to begin the study of the subject when the child enters school, however, is to say that the child's natural tastes should not be fostered. What we need is to introduce, in an informal and attractive fashion, such number work as is within his grasp at this time.

Experience shows that children can easily learn the combinations in addition, and part of those in multiplication, before taking up a formal study of the subject; in other words, they can cover the work included in this little book. Since the entire multiplication table is sometimes required, it is given at the end of the book, to be developed in the usual manner if necessary.

539699

To meet the need which the experience of teachers has justified, the authors have set forth, informally and in simple language, the number facts that should be mastered. They have not attempted to prepare a textbook of the conventional type, nor yet a mere book of devices to impose upon the teacher certain methods that she cannot profitably use. They have sought to offer to the schools a book that shall serve as a guide and helper both to the teacher and to the pupil, one that shall save labor, furnish a list of reading exercises, and suggest a basis for somewhat informal work with beginners.

It will be observed that the type has been selected with greatest care. A child at this time needs to train the eye to see number relations, and that he may do this without undue visual exertion, a large and heavy type is used. He also needs to write numbers, and when asked to do this the numbers have been put in script. He also needs to read the ordinary printed numerals, and when these appear in sentences they are in the usual printed form. In this way, with a minimum of eye strain, he accomplishes the important results mentioned.

The authors desire to express their appreciation of the artistic work of Miss Hope Dunlap, whose illustrations will, they feel sure, bring delight to thousands of children.

GEORGE WENTWORTH
DAVID EUGENE SMITH

CONTENTS

CHAPTER		PAGE
I.	NUMBER WORK TO 10. COUNTING TO 100	7
II.	ADDITION TABLE COMPLETED	39
III.	PRACTICE ON THE ADDITION TABLE	73
IV.	NUMBERS TO 1000. MULTIPLICATION	111

WORK AND PLAY WITH NUMBERS

CHAPTER I

NUMBER WORK TO 10. COUNTING TO 100

HICKORY, dickory, dock,
The mouse ran up the clock,
The clock struck one,
And down he ran,
Hickory, dickory, dock.

1 one • / one

The clock struck one.
I see one clock.
I see one
I see one ✱ and one
I write one like this: /.