# APPLETON'S MATHEMATICAL SERIES: A PRIMARY ARITHMETIC

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Appleton's Mathematical Series: A Primary Arithmetic by G. P. Quackenbos & Geo. R. Perkins

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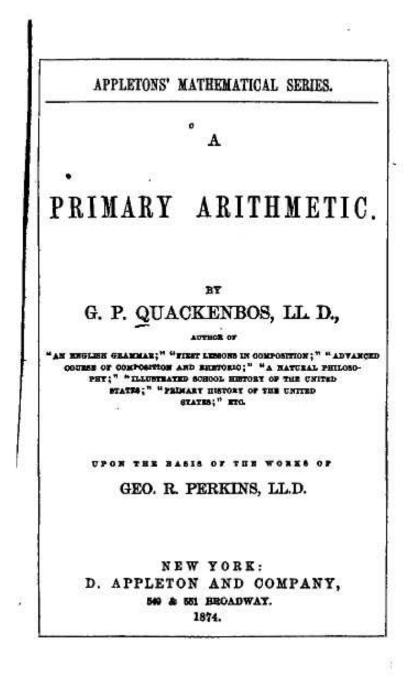
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# G. P. QUACKENBOS & GEO. R. PERKINS

# APPLETON'S MATHEMATICAL SERIES: A PRIMARY ARITHMETIC

Trieste



### PREFACE.

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ASW YORK STATE LIPPARY

This little book, the first of our Series of Arithmetics, presupposes no knowledge of numbers whatever. It tries to give a correct idea of their value, both absolute and relative, by treating them concretely as well as abstractly from the very outset, pictorial illustrations being freely used for that purpose. We have not sought in its pages to go far, but to go thoroughly. It is therefore confined to the four fundamental operations, a very brief view of fractions, the most important tables of moneys, weights, and measures, and easy exercises under them. These subjects, it is believed, are so treated, as to make the young pupil think for himself, and to lay the right kind of foundation for a mathematical course. One thing is taught at a time, and great care has been taken to present every thing in its proper place. It will be observed that throughout the book slate exercises go hand in hand with mental operations. In the author's opinion, they are indispensable, from the first, for inspiring the beginner with that interest in the subject which is essential to success.

This book imposes no labor on the teacher, in the way of explaining orally, furnishing examples, &c. It is thought to contain in itself all that is needed. The author would only ask those who use it to be sure that every lesson is thoroughly mastered, before proceeding to the next. Each principle presented, each table, should be perfectly understood and memorized before leaving it, even though it be necessary to repeat the lesson again and again. Time saved by allowing a single lesson to pass unmastered, will be a tenfold loss in the end.

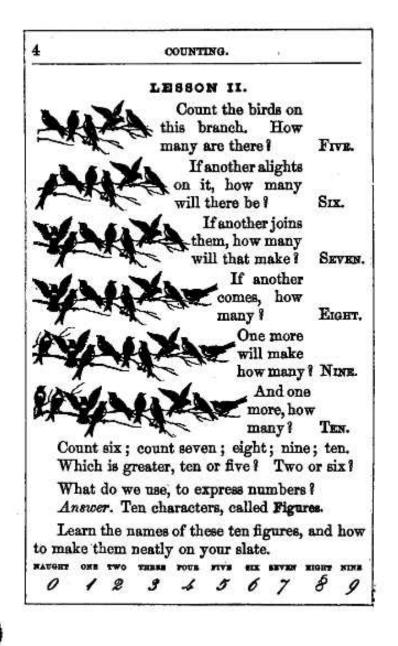
The Roman Notation is not explained in this volume; but by means of the numerals used in the lesson-headings the pupil may readily be made to understand it.

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# PRIMARY ARITHMETIC.

## LESSON I.

	Touch your head. How many heads have you? ONE.	
	Touch your eyes. How many eyes have you? Two.	
2 20	Touch the joints of your fore-finger. How many are there?	1
	Touch the fingers of your left hand. How many are there ? Four. Touch the fingers and thumb of your	
200	left hand. How many do they make? FIVE.	
Victor Cali	When we say ONE, TWO, THREE, FOUR, FIVE what do we do? Answer. We count. Count five; count four; count three; count	30
- N - 9	two.	5
	What are one, two, three, four, five, called ? Answer. Numbers.	100
23 42.	Which is the smallest of these numbers ? Which is the greatest of these numbers ?	



		LESSO	N III		
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Some	100	in C	LW B	All and	P
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A DEMONSTRATING	N.	115	CI		
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-ster		A THE STATE	1	Contention of	No.
Count	these	rabbits	How	nany are th	erel
1-10 COLORED		express te			
				t after a one	(10)
Learn t	the nu	mbers, ge	oing up	from ten:	2
Eleven #	11	Fourteen	14	Seventcen	17
1	124 Carlos		247	Eighteen	111112
Thirteen /	19	Sixteen	16	Nineteen	19
	Tw	venty.		20	8000
Read th	hese n	umbers:	13; 7:	; 19; 11; 9	; 2
20; 12; 5					
			and the second sec	three; eigh	
Contraction of the	1945/1945	1. C. M. L. M. S. M. S	방법은 전체에서	ourteen; fiv	re.
		reading of neration.	fnumb	ers called ?	
Answer			-	shollon an	
What is			namb	ers caned r	
What is Answer	• Not				

#### COUNTING.

6

#### LESSON IV.

Now we have some marks in different rows. Count those in each row.

The number of marks is given after each row; then come the written figures that represent this number, then the printed figures.

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ii	í	ł	i	i	i	ì	î	î	i	i	i	ì	1							i.				16	10
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11	1	1	1	1	İ	1	1	1	I	I	1	1	I	1	1	1							NINETEEN	19	19
1 i	Í	Î	İ	i	Ì	1	Ì	Ì	1	Í	1	1	1	I	1	1	I		,	e,			TWENTY	20	20

COUNTING.

7

## LESSON V.

Learn the twenties :--

Tearn me twenties'-	
Twenty-one 21 Twenty-four 24 Twenty-seven 2	
Twenty-two 22 Twenty-five 25 Twenty-eight 2	
Twenty-three 23   Twenty-six 26   Twenty-nine 2	29
In the twenties, which figure remains the same, and which does not?	9
Answer. The left-hand figure remains th	le
same-2. The right-hand figure changes.	
What comes after 29 ! Answer. Thirty (30	).
Learn the thirties :	
Thirty-one 81   Thirty-four 84   Thirty-seven 8	17
	18
이는 것 같이 다는 것 같은 것 같은 것 같은 것 같아요. 이는 것 같은 것 같은 것 같은 것 같은 것 같은 것 같은 것 같은 것 같	9
What is the left-hand figure in all the thirties	1
Which figure changes !	
What comes after 391 Answer. Forty (40	).
Learn the forties :	
Forty-one 41   Forty-four 44   Forty-seven 4	7
Forty-two 42 Forty-five 45 Forty-eight 4	
Forty-three 48 Forty-six 46 Forty-nine 4	
Fifty 50	
Which is greater, fifty or forty ? 49 or 39	2
28 or 38? 26 or 17? 9 or 15? 15 or 30?	
Count from 1 to 50. Count from 20 to	1
backwards; twenty, nineteen, eighteen, &c.	
back wards, vacing, numerica, cignition, dei	