



TV

MATHEMATICS 501

CONTENTS

I.	Numbers and Number Words, Add and Subtract, Operation Symbols	1
II.	Multiply and Divide, Fractions, Standard Measurements	8
III.	Rounding, Fractions, Multiply and Divide, Prime and Composite Numbers	16
IV.	Numbers and Number Words, Equivalent Fractions, Money, Missing Number Problems	24
V.	Reading, Review, and Reinforcement	32

Author: Editor: Graphic Design: **Carol Bauler, B.A.** Alan Christopherson, M.S. JoAnn Cumming, A.A.



804 N. 2nd Ave. E., Rock Rapids, IA 51246-1759 © MCMXCVIII by Alpha Omega Publications, Inc. All rights reserved. LIFEPAC is a registered trademark of Alpha Omega Publications, Inc.

All trademarks and/or service marks referenced in this material are the property of their respective owners. Alpha Omega Publications, Inc. makes no claim of ownership to any trademarks and/or service marks other than their own and their affiliates', and makes no claim of affiliation to any companies whose trademarks may be listed in this material, other than their own.

I. Part One

Objectives									
To learn numbers and number words through 1,000,000 To review operations for addition and subtraction To review operation symbols									
Our number evetem is based on ten digite									
Cur number system is based on ten aigits .									
0	1	2 3	4	5	6	7	8	9	
Digits are combined to form a number that has a value. The number of digits and the arrangement of digits gives the number its value.									
1.1 Arrange	these num	bers in nu	mber ord	er.					
269	5,2	96	42	4		25,092	6	20,592	
a	b	C		d	e.		f		
Numbers with more than one digit are multi-digit numbers. The place value chart shows the number value for multi-digit numbers.									
thousands units									
hundreds tens ones hundreds tens ones 4 6 5 2 3 7									
4 0 5 , 2 3 / 465,237 is read, "four hundred sixty-five thousand, two hundred thirty-seven." We use a hyphen to join the tens' numbers and ones' numbers. We write a comma between the thousands' place and hundreds' place.									
1.2 The main headings of the number chart are thousands and units. What are the places under the main headings for thousands and units?									
a		_ b)			C			
1.3 Write the number words.									



The next main heading on the place value chart is millions.

 million	s	thousands				units		
ones		hundreds	tens	ones		hundreds	tens	ones
7	,	2	3	8	,	1	2	6

7,238,126 is read, "seven million, two hundred thirty-eight thousand, one hundred twenty-six."

We use a hyphen to join the tens' numbers and ones' numbers. We write a comma between the thousands' place and hundreds' place. We write a comma between the millions' place and thousands' place.

1.4 Write the number word.

a.	6,281,534	
b.	8,693,271	

Zero is a special digit. Zero is a place holder.

It tells us that there is no value in that place. When there is a zero in a number, we do not read the place.

1,056,021 is read, "one million, fifty-six thousand, twenty-one." There is no number to read in the hundred thousands' place. There is no number to read in the hundreds' place.

1.5 Write the number word.

a. 5,036,204 _____

b. 7,603,250 _____

1.6 Match.

a 45,632	1. four million, four hundred thirteen thousand, sixty-two
b 401,532	2. five million, sixty-three thousand, two hundred thirty-one
c 5,463,231	3. forty-five thousand, six hundred thirty-two
d 5,063,231	4. five million, four hundred sixty-three thousand, two hundred thirty-one
e 4,413,062	5. four hundred one thousand, five hundred thirty-two

Ad	dition facts are	e all of the one-digit n	umbers with their su	ms.
S To	ubtraction fac ogether they ma	ts are related to additi ke a family of facts .	on facts.	
1.7	Write the fami	y of facts.		
		4, 7, 11	6	5, 8, 14
	+ =	+ =	+=	+=
	= =	=	= =	=
Ead	ch part of a math	nematics operation has	s a name.	
1.8	Find the sum a	nd the difference.		
	252 addend + 362 addend sum	485 - 290	minuend subtrahend difference	
W	/hen we add and	subtract, we may nee	d to carry or borrow	
1.9	Add or subtrac	·t.		
а	. 63	358	645	132
	+ 95	+ 307	+ 865	+ 941
b	. 7,486	45,327 + 58 649	963 - 285	6,362 - 4 208
	1 0,020			-,200
С	. 9,003	6,200	54,638	87,000
	2,000	- +,510		

Digits have a value because of their place in a number.

We write how many. We write the value.

	millions	3	thousand	S	L	units	
	ones	hundred	ds tens	ones	hundreds	tens ones	
4,632,95	4 = 4 = 4,000,00	+ 6 0 + 600,000	+ 3 0 + 30,00	+ 2 0 + 2,000	+ 9 + + 900 +	5 + 4 50 + 4	
1.10 V	Vrite how mar	ny. Write the	value.				
a. 5,430,7	/81 =	+ +	+	+_	+	+	
	=	+ +	+	+_	+	+	
b. 9,080,5	542 =	+ +	+	+_	+	+	
	=	+ +	+	+	+	+	
1.11 V 5	Vrite the valu 563,842	e of 8 in eacl 1,687	h number. 38,015	8,942,33	6 983,542	5,836,291	
1.12 V 3 5	Vrite a numbe in tens' plac in thousands	er that has a e, 4 in hundr s' place, and	 reds' place, 7 in ones'	place.			
9 p	9 in ten thousands' place, 6 in ones' place, 5 in thousands' place, 3 in hundreds' place, and 2 in tens' place.						
7 p 8	in millions' p lace, 5 in hur in ten thousa	olace, 2 in hu ndred thousa ands' place,	undreds' plands' place, and 6 in ter	ace, 0 in tho 4 in ones' ns' place.	ousands' place,		
1.13 A 3,	Arrange these 654,382	numbers in 3,543,328	number or 3,564	der. 4,382	3,645,882	3,645,282	
1.14 A	Add 9 to each	number. 8	44	7	5	3	