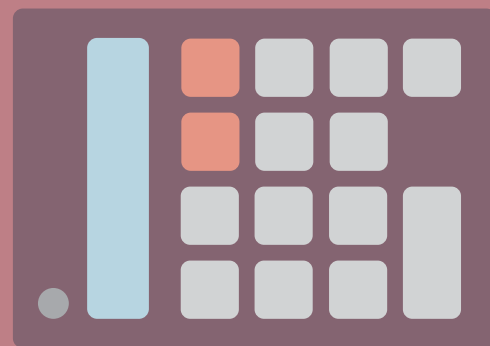




MATH

Student Book



▶ **3rd Grade | Unit 1**

MATH 301

ADDITION AND SUBTRACTION TO 18 AND PLACE VALUE

Introduction	3
1. Add and Subtract to 18	4
Number Order	6
Self Test 1	9
2. Place Value	10
2-digit Numbers	10
Add and Subtract 2-digit Numbers	13
Self Test 2	17
3. Numbers to 999	18
Add and Subtract 3-digit Numbers	21
Measurement	23
Self Test 3	26
4. Operations	27
Operation Symbols	27
Addition with Carrying	30
Cardinal and Ordinal Numbers	31
Time	32
Self Test 4	36
5. Application and Review	38
Self Test 5	43
LIFEPAC Test	Pull-out



NOTE to teachers, parents, and students:

As part of a continuing effort to improve the LIFE PAC curriculum a new layout of this unit has been produced. The content of this unit has not changed but the page numbers referenced in the Teacher Notes of the Teacher's Guide may no longer match.

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ADDITION AND SUBTRACTION TO 18 AND PLACE VALUE

This unit begins with a review of basic addition and subtraction, measurements, and telling time. That foundation will be used to expand your skills in counting and reading numbers to 999 and how to understand place value. You will practice naming the parts of addition and subtraction problems. You will choose the correct operation for number sentences. In this LIFEPAC®, you will also practice the skills of number order, mental math, number types, and number words.

Unit Objectives

Read these objectives. The objectives tell you what you will be able to do when you have successfully completed this LIFEPAC.

1. I can remember addition and subtraction facts.
2. I can learn the meaning of digits.
3. I can count and read numbers to 999.
4. I know place value for ones, tens, and hundreds.
5. I can learn the names of addition and subtraction problems.
6. I can add and subtract on the number line.
7. I can add and subtract three-digit numbers and carry in addition to tens' place.
8. I can measure inches, feet, yards, and dozen.
9. I know operation symbols. $+$, $-$, $=$, \neq , $>$, $<$.
10. I know cardinal and ordinal numbers.
11. I can tell time on the clock and on the calendar.
12. I can read and write about the things I have learned.

1. ADD AND SUBTRACT TO 18

In this section, you will practice addition and subtraction skills. You will also learn about digits and practice pu



Review addition and subtraction facts.

1.1

Add.

$\begin{array}{r} 8 \\ + 5 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 9 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ + 9 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ + 0 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ + 5 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ + 3 \\ \hline \end{array}$
---	---	---	---	---	---	---	---	---

$\begin{array}{r} 4 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ + 0 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ + 5 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ + 9 \\ \hline \end{array}$
---	---	---	---	---	---	---	---	---

$\begin{array}{r} 7 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ + 0 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ + 7 \\ \hline \end{array}$
---	---	---	---	---	---	---	---	---

$\begin{array}{r} 5 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 8 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ + 5 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ + 9 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ + 8 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ + 0 \\ \hline \end{array}$
---	---	---	---	---	---	---	---	---

$\begin{array}{r} 6 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ + 8 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ + 8 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ + 8 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ + 9 \\ \hline \end{array}$
---	---	---	---	---	---	---	---	---

$$\begin{array}{r} 5 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ + 0 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ + 9 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 4 \\ \hline \end{array}$$

1.2 Subtract.

$$\begin{array}{r} 13 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ - 9 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ - 9 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 0 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ - 0 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 1 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ - 9 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ - 1 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ - 0 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ - 1 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ - 8 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ - 9 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ - 1 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ - 8 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ - 0 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ - 8 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 1 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ - 8 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ - 8 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ - 9 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ - 8 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 0 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ - 9 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ - 4 \\ \hline \end{array}$$

1.3 Write the missing numbers to 100.

0	1		3	4			7	8	
	11		13	14	15		17		19
20		22		24		26		28	29
	31	32			35	36	37		39
40	41		43		45		47	48	
50		52	53	54		56			59
	61		63	64		66	67	68	
70		72			75		77	78	79
	81	82	83	84		86		88	
90			93		95		97	98	99
100									



Follow the pattern to answer the questions.

1.4 Write the number that comes after 100. _____

1.5 Write the numbers after 100 on the chart.

Number Order

The number symbols you have learned are

0 1 2 3 4 5 6 7 8 9

The number symbols are called digits. There are ten digits. We use ten digits to write all of our numbers.

We use digits to write small numbers. 1 5 7 8

We put digits together to write large numbers. 22 47 65 83

The way we put digits together tells us number order. The number chart is in number order. Number order is from small numbers to large numbers.

**Complete these activities.**

1.6 Write each row of numbers in number order.

36 54 63 76 42 89 96

15 51 39 50 68 12 86

1.7 Write the number before and the number after.

_____ 53 _____ _____ 40 _____ _____ 67 _____

_____ 18 _____ _____ 99 _____ _____ 31 _____

_____ 89 _____ _____ 45 _____ _____ 1 _____

_____ 22 _____ _____ 12 _____ _____ 106 _____

1.8 Write the missing numbers.

34 _____ 36 _____ _____ 39 _____

97 98 _____ _____ 101 _____ _____

Numbers can be written in digits or words. Read the numbers aloud.

DIGITS	WORDS	DIGITS	WORDS	DIGITS	WORDS
1	one	11	eleven	10	ten
2	two	12	twelve	20	twenty
3	three	13	thirteen	30	thirty
4	four	14	fourteen	40	forty
5	five	15	fifteen	50	fifty
6	six	16	sixteen	60	sixty
7	seven	17	seventeen	70	seventy
8	eight	18	eighteen	80	eighty
9	nine	19	nineteen	90	ninety
10	ten	20	twenty	100	one hundred

We follow rules to write number words.

Starting at twenty-one, use a hyphen (-) to join tens' place and ones' place.

21 is twenty-one.

31 is thirty-one.



Complete the activity.

1.9 Write the number words on the line.

7	_____	58	_____
30	_____	72	_____
64	_____	93	_____
41	_____	19	_____
82	_____	36	_____



For this Self Test, study what you have read and done. The Self Test will check what you remember.

SELF TEST 1

Complete these activities (each answer counts 1 point).

1.01 Add or subtract

$$\begin{array}{r} 2 \\ + 6 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ + 4 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ + 0 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ + 1 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ + 4 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ + 6 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ + 3 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ - 7 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ - 2 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ - 3 \\ \hline \end{array} \quad \begin{array}{r} 13 \\ - 6 \\ \hline \end{array} \quad \begin{array}{r} 15 \\ - 8 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ - 0 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ - 2 \\ \hline \end{array} \quad \begin{array}{r} 17 \\ - 9 \\ \hline \end{array}$$

1.02 Write the ten digits.

1.03 Write the numbers in number order.

12 76 47 35 67 93 73 41

1.04 Write the number words on the line.

13 _____ 47 _____

63 _____ 20 _____

8 _____ 95 _____

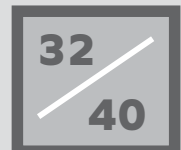


Teacher check:

Score _____

Initials _____

Date _____





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