

## - 1st Grade

# NUMBER ORDER, ADD/SUBTRACT MATH 101 

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LIFEPAC Test |Pull-out

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## Learn with our friends!




When you do actions with me, you will learn how to write, draw, match words, read, and much more.


You and I will learn about matching words, listening, drawing, and other fun things in your lessons.


Follow me and I will show you new, exciting truths that will help you learn and understand what you study. Let's learn!

## ADD/SUBTRACT TO 10, SHAPES <br> 

## Objectives

Read these objectives. They will tell what you will be able to do when you have finished this LIFEPAC ${ }^{\circledR}$.

1. I can add and subtract sets to 10 .
2. I can tell the ones' place and the tens' place.
3. I can tell greater than and less than to 99.
4. I can learn to measure objects.
5. I can learn about flat and solid shapes.
6. I can write numbers as words.
7. I can recognize patterns and tell what comes next.

My name is

## 1. ADDITION FACTS TO 10



Write the number in the $\square$.


## Add on the number line.



Put your finger on the 1 and ... count 1 more.

$$
1+1=\ldots
$$

We have counted to $\qquad$ on the number line.
We can say that $1+1=$ $\qquad$ .
count 2 more.
$1+2=$ $\qquad$
We have counted to $\qquad$ on the number line.
We can say that $1+2=$ $\qquad$ .
count 3 more.
$1+3=$ $\qquad$ ?

We have counted to $\qquad$ on the number line.

We can say that $1+3=$ $\qquad$ .
count 4 more.

$$
1+4=
$$

We have counted to $\qquad$ on the number line.
We can say that $1+4=$ $\qquad$ .

## Add and subtract. Name your picture.

## Color all facts that equal ...

3 green.
5 blue.
6 red.
8 brown.


Before you take the Self Test, study what you have read and done. The Self Test will check what you remember.

5, _ , 15, 20,
35, 40, $\qquad$ ,
$\qquad$ , $\qquad$ ,
$\qquad$ ,
$\qquad$ , 70, $\qquad$ , $\qquad$ 85, $\qquad$

Circle the odd numbers.

| 8 | 15 | 23 | 12 | 16 |
| :---: | :---: | :---: | :---: | :---: |
| 2 | 11 | 26 | 48 | 13 |



Write the number in each box.

| $\longrightarrow$ |  | 102 |  |  | 105 |  | 107 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | 114 |  |  |  | 118 |  |
| 120 |  |  | 123 |  |  | 126 |  |  | 129 |
|  | 131 |  |  | 134 |  |  |  | 138 |  |
|  |  | 142 |  |  | 145 |  | 147 |  |  |
|  | 151 |  |  |  | 155 |  |  |  | 159 |
|  |  |  |  | 164 |  | 166 |  |  | 169 |
|  |  | 172 |  |  | 175 |  |  |  |  |
| 180 |  |  | 183 |  |  | 186 |  | 188 |  |
|  |  |  | 193 |  | 195 |  | 197 |  |  |
| 200 |  |  |  |  |  |  |  |  |  |



## SELF TEST 1

Each answer = 1 point

Complete the family of addition facts.

| $\begin{array}{r} 6 \\ +\quad 4 \\ \hline \end{array}$ | $\begin{array}{r} 8 \\ +5 \\ \hline \end{array}$ | $\begin{array}{r} 2 \\ +6 \\ \hline \end{array}$ | $\begin{array}{r} 7 \\ +8+ \end{array}$ |
| :---: | :---: | :---: | :---: |
| 1010 | 13 |  |  |

Add.

| 6 |  |  | 5 |
| ---: | ---: | ---: | ---: |
| 3 | 52 | 31 | 2 |
| $+\quad 4$ |  |  |  |

Complete the family of subtraction facts.


Add.

| 23 | 65 | 30 | 17 |
| :---: | :---: | :---: | :---: |
| 42 | 21 | 45 | 21 |
| + 51 | + 40 | + 52 | + 60 |



My Score


## 1st Grade

## MATH 100

## Teacher's Guide Part 1

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## INSTRUCTIONS FOR MATH

The first grade Teacher's Guides of the LIFEPAC curriculum are designed to provide a step-by-step procedure that will help the teacher prepare for and present each lesson effectively. In the early LIFEPACs, the teacher should read the directions and any other sentences to the children. However, as the school year progresses, the student should be encouraged to begin reading and following his own instructional material in preparation for the independent study approach that begins at the second grade level.

The remainder of the Teacher's Guide includes the following teacher aids:

1) Introduction of Skills

For each unit:
2) Materials Needed
3) Objectives
4) Teacher Instruction
5) Answer Keys
6) Alternate Tests

After the last unit:
7) Math Terms Glossary
8) Conversion Charts

The Introduction of Skills is a more detailed overview of skills than that presented in the Scope and Sequence. The Math Terms includes a glossary of math terms and a table
of measurements. The Teacher Instruction Pages contain guidelines for teaching each lesson. Additional learning activities provide opportunities for problem solving, encourage the student's interest in learning, and may be used as a reward for good study habits.
Math is a subject that requires skill mastery. But skill mastery needs to be applied toward active student involvement. The Teacher Instruction Pages list the required or suggested materials used in the LIFEPAC lessons. These materials include items generally available in the school or home. Pencils, paper, crayons, scissors, paste and/or glue stick are materials used on a regular basis. Construction paper, beads, buttons, and beans can be used for counting, sets, grouping, fractions, and patterning. Measurements require measuring cups, rulers, and empty containers. Boxes and similar items help in the study of solid shapes.
Any workbook assignment that can be supported by a real-world experience will enhance the student's ability for problem solving. There is an infinite challenge for the teacher to provide a meaningful environment for the study of math. It is a subject that requires constant assessment of student progress. Do not leave the study of math in the classroom.

## MATH 100 INTRODUCTION OF SKILLS

Introduction of Skills is a quick reference guide for the teacher who may be looking for a rule or explanation that applies to a particular skill or to find where or when certain skills are introduced in the LIFEPACs. The first number after the skill identifies the LIFEPAC, and the second number identifies the section.

| CONCEPT LIF | IFEPAC | SECTION | CONCEPT LIFEP | EPAC | SECTION |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Addition |  |  | Number line | 101 | 1 |
| facts to 9 | 101 | 3 | Number order |  |  |
| facts to 10 | 102 | 1 | before and after to 99 | 101 | 2 |
| 1 -digit number added to 10 | 102 | 3 | bigger and smaller to 99 | 101 | 2 |
| facts to 18 | 104 | 1 | before and after to 100 | 103 | 5 |
| 3 numbers, 1 digit | 105 | 1 | before and after to 200 | 107 | 3 |
| 2 numbers, 2 digits | 106 | 3 | greater than, less than to 100 | 105 | 2 |
| checking answers | 105 | 1 | greater than, less than to 200 | 107 | 1 |
| 3 numbers, 2 digits | 109 | 1 | closest multiple of 10 | 109 | 3 |
| Calendar | 103 | 4 |  | 110 | 1 |
| Count |  |  | Number sentences | 103 | 2 |
| to 99 | 101 | 1 | Number words |  |  |
| to 100 | 103 | 4 | zero to ten | 102 | 5 |
| to 200 | 107 | 1 | to twenty | 104 | 3 |
| Directions |  |  | to ninety-nine | 106 | 2 |
| north, east, south, west | 110 | 3 | Operation symbols |  |  |
| Estimation |  |  | +, -, = | 102 | 1 |
| size and weight | 102 | 4 | \# | 103 | 2 |
| numbers | 107 | 5 | >, < | 106 | 2 |
| Even and odd numbers | 104 | 2 | Ordinal numbers |  |  |
| Families of facts |  |  | to tenth | 102 | 5 |
| addition and subtraction | 109 | 1 | Place value |  |  |
| Fractions |  |  | for ones | 102 | 3 |
| $\frac{1}{2}$ of an object, of a set | 103 | 3 | for tens | 102 | 3 |
| $\frac{1}{4}$ of an object, of a set | 105 | 3 | for hundreds | 107 | 2 |
| Graphs (Charts) |  |  | estimation | 102 | 4 |
| posting data | $\begin{aligned} & 105 \\ & 107 \end{aligned}$ | 4 5 | how many facts equal a number sensible answers | r 102 | 5 |
|  | 109 | 3 |  | 109 | 4 |
| Measurements |  |  | Sequencing and number patterns 1025 |  |  |
| objects big and little | 101 | 4 | Shapes |  |  |
| objects greater than, less than | an 101 | 4 | flat | 101 | 4 |
| long and short | 101 | 4 | solid | 102 | 4 |
| dozen | 105 | 3 | Skip counting |  |  |
| ruler-inch | 101 | 4 | by 10 's | 101 | 1 |
| ruler-one-half inch | 108 | 2 |  | 104 | 2 |
| weight | 102 | 4 | by 2's | 104 | 2 |
| Money |  |  | by 5's | 106 | 1 |
| pennies, dimes | 104 | 4 | objects by grouping | 108 | 5 |
| nickels | 106 | 4 |  |  |  |

## 2. READING A NUMBER SENTENCE

## PAGES 8 \& 9: <br> NUMBER SENTENCES

## MATERIALS NEEDED

- pencils


## Concept:

reading number sentences

## Teacher Goal:

To teach the children to read number sentences in addition and subtraction.

## Teaching Pages 8 and 9:

Turn to page 8. Tell the children that a sentence is a statement that tells them something. Explain to them that they can make a statement using numbers and/or words. Have the children point to the sets of pans and then have them point to the number fact. Ask them what the operation sign (+) stands for (plus) and what the sign (=) stands for (equals). Have the children point to each word as they read the sentence, "Three plus four equals seven." Read the directions and have the children complete the page.

Turn to page 9. Remind the children that a sentence is a statement that tells them something. It may be in numbers or in words. Have the students point to the sets of hearts and then have them point to the number fact. Ask them what the operation sign (-) stands for (minus) and what the sign (=) stands for (equals). Have the children point to each word as they read the sentence, "Five minus two equals three." Read the directions and have the children complete the page.

```
FRACTIONS, TIME, AND SYMBOLS | Unit 3
```

2. READING A NUMBER SENTENCE
 Read the sentence aloud.

$4+1=5$

$\qquad$



## 1st Grade

## MATH 100

## Teacher's Guide Part 2

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## 2. NUMBER WORDS TO 99

## PAGES 8 \& 9: NUMBERS AS WORDS

## MATERIALS NEEDED

- pencils
- paper


## Concept:

number words to 99

## Teacher Goal:

To teach the children to read and write number words to ninety-nine (99).

## Teaching Pages 8 and 9:

Turn to page 8. Have the students read the number words to nineteen aloud. Point to the numbers 10 through 90 . Have the children say the numbers aloud. Remind them that this is skip counting by 10's. Have the students use a piece of paper to cover the number symbols and ask them to say the number words aloud. Point out that the $u$ is dropped in the spelling of the word forty. Compare the location of the $r$ in three to its position in the word thirty. Ask the students to point to the words twenty and three. Tell them that we put a hyphen between the two words to join them together and make them one word. Tell the students to write the word forty on a piece of paper. Have them write the word six next to it. Explain to the students that these numbers mean two different sets—one set of forty and one set of six. They must add a hyphen between the words to show they mean one set of forty-six. Point to the word seventy-one on page 8 and have the students say it aloud.

## NUMBER WORDS TO 99 | Unit 6

## 2. NUMBER WORDS TO 99

| 1 | one | 11 | eleven |
| :--- | :--- | :--- | :--- |
| 2 | two | 12 | twelve |
| 3 | three | 13 | thirteen |
| 4 | four | 14 | fourteen |
| 5 | five | 15 | fifteen |
| 6 | six | 16 | sixteen |
| 7 | seven | 17 | seventeen |
| 8 | eight | 18 | eighteen |
| 9 | nine | 19 | nineteen |
|  |  | 23 | twenty-three |
| 10 | ten | 46 | forty-six |
| 20 | twenty |  |  |
| 30 | thirty |  |  |
| 40 | forty |  |  |
| 50 | fifty |  | seventy-one |
| 60 | sixty |  |  |

$\mathbf{8} \mid$ Section 2

## Unit 6 | NUMBER WORDS TO 99



Write the words on the line.



Write the missing number word.
Three plus eight equals_ eleven
Nine plus seven equals sixteen
Seven plus five equals twelve.
Sixplus_four equals ten.

## PAGE 11: NUMBER WORDS

## MATERIALS NEEDED

- pencils


## Concept:

number words to ninety-nine

## Teacher Goal:

To teach the children to write number words to ninety-nine.

## Teaching Page 11:

Turn to page 11. Read the directions with the students. In the first section, have them write the numbers in words on each line. Remind the students to use hyphens. Tell them to use good posture and to hold their pencils correctly. In the last section, the children should write the numbers using number symbols and then arrange the numbers in number order.

Write the number words.


## 24 twenty-four

 52 fifty-twoWrite the number symbols on the line.
Write the numbers in order from smallest to largest.

```
thirteen 13 thirty-five 35 eleven 11 fifteen 15
forty-three _43 eighty-nine _ 89 seven _ 7 sixty-two 62 
    7
```


## MATH 106

ALTERNATE LIFEPAC TEST

Name
Date


Each answer $=1$ point, except where otherwise noted

Write the answer to the facts.

$$
\begin{array}{rrrrr}
6 \\
+5 \\
+ & +9 \\
\hline
\end{array}
$$

Count by 2's, 5's, and 10's. (each row, 1 point)

$$
\frac{2, \ldots, \ldots, 12,14}{10,20, \ldots, 25,30, \ldots}, \frac{60,70}{}
$$

Circle the odd numbers. (2 points)

| 10 | 27 | 39 | 82 | 46 | 73 | 55 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |

