

## - 2nd Grade

## NUMBERS AND WORDS TO 100 MATH 201

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Learn with our friends! They'll guide you through the LIFEPACs and keep the scores for you.


## Objectives

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

1. I can read and write numbers to 100 .
2. I know addition and subtraction facts to 18.
3. I can learn place value for ones and tens.
4. I can follow oral instructions.
5. I can add and subtract to tens' place.
6. I know operation symbols,,$+-=, \neq,>,<$.
7. I can write number sentences.
8. I can write fact families.
9. I can solve story problems in addition.
10. I can recognize patterns and tell what comes next.
11. I can recognize flat shapes.


## 1. NUMBERS AND WORDS TO 200

## Count from 0 to 100.

1.1

1.2 Write the numbers in number order. $\begin{array}{llllllllll}66 & 61 & 68 & 63 & 60 & 67 & 64 & 69 & 62 & 65\end{array}$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

| 130 | 134 | 137 | 132 | 135 | 138 | 131 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 139 | 136 | 133 |  |  |  |  |

$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

## Use the number line to find the answer.


1.2 $\qquad$ $18-3+2-5=$ $\qquad$
$6+4-3=$ $\qquad$
$13-2+6=$ $\qquad$
$14+1-8+3=$ $\qquad$
$4+8-3=$ $\qquad$
$2-1+8-0=$ $\qquad$
$4+5+6-7=$ $\qquad$
$5-2+11=$ $\qquad$ $8-2-4+6=$ $\qquad$

Seven plus four minus two equals $\qquad$ .

Nineteen minus six plus four equals $\qquad$ .

Four plus eight minus five equals $\qquad$ .


### 1.10 Count from 1 to 96. Draw dot-to-dot.

What do you think Willy Worm sees? $\qquad$

Willy Worm sees something,
He does not like a bit.
Willy Worm sees something,
He seems afraid of it!
Do you think he's hoping,
When you draw dot-to-dot,
That what he thinks is something,
You'll find is really not?


Finish coloring the picture.

Add or subtract. Find the circle that has the answer. Color it the same color as the box.


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

## 1. TIME



Write the time.
1.1

$\qquad$ : $\qquad$
$\qquad$ : $\qquad$
$\qquad$ : $\qquad$
$\qquad$ : $\qquad$
1.2 Write the answers.

Point to the big 1 on the clock. Count the numbers around the circle. What number did you count to?

$\qquad$
How many hours on the clock?

Draw dot-to-dot to finish the face of the clock. Each dot means 1 minute.
How many dots around the clock? $\qquad$ How many minutes on the clock? $\qquad$
| Use for Activities 1.2-1.4

## SELF TEST 1

Each answer = 1 point, except where otherwise noted
1.01 Write the missing number in the sequence.
72 $\qquad$ , 74
259, 258, $\qquad$
412, 411, $\qquad$
930,
$\qquad$ . 932
1.02 Write the answer.

There are about 70 pennies in a pile.
Would you count them by 2's, 5's, or 10's? $\qquad$
Why? $\qquad$
1.03 Write the answer.

$$
\begin{aligned}
& 2+5-4+3= \\
& 8-6-1+9= \\
& 7+2-6-1=
\end{aligned}
$$

$\qquad$
$\qquad$
$\qquad$
1.04 Write the facts.

6, 9, 15


## , 2nd Grade

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## INSTRUCTIONS FOR MATH

The LIFEPAC curriculum for grades two through twelve is structured so that the daily instructional material is written directly into the LIFEPACs. However, because of the variety of reading abilities at this grade level, the second grade mathematics Teacher's Guide contains additional instructional material to help the teacher prepare and present each lesson effectively. As the year progresses, students should be encouraged to read and follow the instructional material as presented in the LIFEPACs to develop independent study habits. The teacher should introduce the LIFEPAC to the student, set a required completion schedule, complete teacher checks, be available for questions regarding both content and procedures, administer and grade tests, and develop additional learning activities as desired. Teachers working with several students may schedule their time so that students are assigned to a quiet work activity when it is necessary to spend instructional time with one particular student.

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

1) Introduction of Skills
2) Additional Activities

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

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

The Introduction of Skills is a more detailed overview of skills than that presented in the Scope and Sequence. The Mathematics Terms includes a glossary of mathematics 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.
Mathematics 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 mathematics. It is a subject that requires constant assessment of student progress. Do not leave the study of mathematics in the classroom.

## MATH 200 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

Addition
facts to 18
1-digit number added to
10's n/c* 201

2 numbers 2-digits n/c 201
3 numbers 1-digit 201
3 numbers 2-digits n/c
1-digit number added to 10's w/c*
2 numbers 2-digits w/c
2 numbers 3-digits n/c
2 numbers 3-digits w/c
1's or 10's place

## LIFEPAC SECTION

CONCEPT
Measurements
to 1,000210
dozen
linear
inch 203
one-half inch 203
one-quarter inch 209
(square inches) 209
feet, yards 204
perimeter, area 206
length, width 208
temperature (Fahrenheit) 205
time
calendar: days, weeks,
months, years 204
to hour, half-hour, five minutes 202
to minute 206
A.M., P.M. 203
digital clock 210
volume: cups, pints, quarts,
gallons 208
weight: ounces, pounds 206
Money
add and subtract 208
pennies, dimes, nickels 2024
dollars 203
dollar sign and decimal point 203
quarters 204
making change 204
Number line
add or subtract to 18203
Number order
to 100201
to 200202
to 999204

Graphs (Charts)
gathering and posting data 205

[^0]
## TEACHER NOTES

## MATERIALS NEEDED FOR LIFEPAC

## Required

- Cards (3 inches by 5 inches) printed with number symbols 0 through 9 and number words zero through nineteen, also twenty, thirty, forty, and so on through one hundred. Several sets would be useful. (Cereal boxes are an excellent source of cardstock.)
- Cards with operation symbols: plus (+), minus ( - ), equal (=), not equal ( $\neq$ ), greater than (>), less than (<).
- Fact cards for addition and subtraction through 18
- Counters for ones and tens-these may be cardstock strips ( 2 inches by 5 inches); one color for ones, another color for tens. (Popsicle sticks also work well as counters.)
- Objects for counting—beads, beans, buttons, bread wrapper twists, etc.
- Crayons, construction paper, scissors


## Objectives

1. I can read and write numbers to 100 .
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4. I can follow oral instruction.
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6. I know operation symbols,,$+-=, \neq,>,<$.
7. I can write number sentences.
8. I can write fact families.
9. I can solve story problems in addition.
10. I can recognize patterns and tell what comes next.
11. I can recognize flat shapes.

## TEACHER NOTES

## Section 1 - Number Symbols and Words to 100

1. Discuss Objectives.
2. Activities 1.1 through 1.6 - Have the students practice with cards, reading and putting number symbols and words in number order (1 through 19). Complete activities 1.1 through 1.6.
3. Activity 1.7 - Introduce addition fact cards through 18 . Set aside facts that the students have not mastered and practice several times a week.

## ANSWER KEYS

## SECTION 1

$\begin{array}{cccccccc}1.1 & 0 & 1 & 2 & 3 & 4 & 5 & 6 \\ & 7 & 8 & 9 & 10 & & & \end{array}$
1.2 zero one two three
four five six seven
eight nine ten
$\begin{array}{lllll}1.3 & 4 & 3 & 6 & 5\end{array}$
$\begin{array}{llll}0 & 9 & 2 & 7\end{array}$
1081
$\begin{array}{llllll}1.4 & 11 & 12 & 13 & 14 & 15\end{array}$
$\begin{array}{lllll}16 & 17 & 18 & 19 & 20\end{array}$
1.5 eleven twelve thirteen fourteen fifteen sixteen seventeen eighteen nineteen twenty
1.6 b c
t f
m s
r g
d o
e p
q
i i
h j
$\begin{array}{llllllllll}1.7 & 9 & 16 & 11 & 9 & 5 & 13 & 7 & 5 & 10\end{array}$
$\begin{array}{lllllllll}1 & 8 & 4 & 11 & 14 & 6 & 8 & 10 & 7\end{array}$
$\begin{array}{lllllllll}13 & 9 & 7 & 12 & 11 & 15 & 14 & 7 & 3\end{array}$
$\begin{array}{lllllllll}10 & 13 & 10 & 16 & 10 & 9 & 6 & 14 & 10\end{array}$
$\begin{array}{lllllllll}4 & 11 & 14 & 17 & 11 & 2 & 2 & 15 & 12\end{array}$
$\begin{array}{lllllllll}8 & 12 & 7 & 6 & 10 & 15 & 7 & 10 & 8\end{array}$
$\begin{array}{lllllllll}13 & 16 & 11 & 3 & 6 & 11 & 9 & 18 & 8\end{array}$
$\begin{array}{lllllllll}8 & 8 & 11 & 5 & 15 & 3 & 4 & 13 & 9\end{array}$
$\begin{array}{lllllllll}12 & 9 & 4 & 12 & 5 & 7 & 6 & 9 & 17\end{array}$
$\begin{array}{lllllllll}8 & 5 & 9 & 12 & 12 & 14 & 6 & 13 & 10\end{array}$
$\begin{array}{llllll}1.8 & 10 & 20 & 30 & 40 & 50\end{array}$
60708090100
$\begin{array}{lllll}1.9 & \text { ten } & \text { twenty } & \text { thirty } & \text { forty } \\ \text { fifty } & \text { sixty } & \text { seventy } & \text { eighty } \\ \text { ninety } & \text { one hundred }\end{array}$
$1.10 \quad 16$
31
67
85
49
11
70
93
forty-five
sixty
seventy-nine
thirteen
eighty-one
thirty-six
fifty-four
one hundred

## SELF TEST 1

1.01

1.02 seventeen
twenty-four
eight
thirty-seven
sixty-five
nineteen
fifty-three
twenty
$\begin{array}{lllllll}1.03 & 9 & 11 & 17 & 7 & 7 & 10\end{array}$
$\begin{array}{llllll}10 & 15 & 7 & 10 & 11 & 7\end{array}$
$\begin{array}{llllll}9 & 7 & 8 & 14 & 12 & 6\end{array}$

| SECTION 3 |  |  |  |
| :---: | :---: | :---: | :---: |
| $\mathbf{3 . 1}$ | 15 | 85 | 12 |
|  | 22 | 10 | 99 |
|  | 74 | 19 | 49 |
|  | 4 | 62 | 36 |
| $\mathbf{3 . 2}$ | 23 | 13 | 100 |
|  | 52 | 27 | 64 |
|  | 90 | 52 | 20 |
|  | 32 | 40 | 77 |
| $\mathbf{3 . 3}$ | 79 | 34 | 16 |
|  | 44 | 99 | 49 |
|  | 28 | 4 | 22 |
|  | 20 | 82 | 91 |

3.4 thirteen twenty-one sixty-two seventy-nine ten
fifty-two seventy forty
3.5 forty-five eighty-two thirteen
eight
sixty-seven
forty
ninety-four seventeen
3.6 twenty
forty-seven ninety-one sixty-eight
ten
seventy-four
thirty-six
ninety-nine

```
3.7
\begin{tabular}{cc}
+ & - \\
\(=\) & - \\
- & + \\
- & \(=\) \\
\(+/-\) & + \\
\(=\) & \(=\) \\
+ & - \\
- & \(=\) \\
\(=\) & -
\end{tabular}
```

$3.8=\neq$
$\neq \quad=$
$=\quad \neq$
$\neq \quad=$
$\neq \quad \neq$
$\neq \quad \neq$
$=\quad=$
3.9

3.10

3.11 13, 14, 16, 17, 18, 20

38, 39, 40, 42, 43, 44
$74,76,77,79,80,81$
$3.12 \quad 6+3=9$
$8-4 \neq 3$
$12>11$
$54<56$
$13-7=6$
$4>0$
$6+2 \neq 7$
$81<95$
$3+5>4+2$
$26-4<19+8$

## MATH 201

Date


Each answer = 1 point, except where otherwise noted

1. Match.

| thirty-six | 4 | 13 |
| :--- | :--- | :--- |
| sixty-three | 4 | 33 |
| sixty-six | 4 | 63 |
| thirteen | 4 | 66 |
| thirty-three | 4 | 36 |

2. Write in words.

11 $\qquad$
7 $\qquad$
56 $\qquad$
30 $\qquad$
82 $\qquad$
3. Write addition and subtraction facts.
$\begin{array}{r}7 \\ +\quad 3 \\ \hline\end{array}$

9
5
4
$+0$
$+6$
$+3$

4. Circle the tens' place.

46
13
84
5. Write what comes next.

5, 4, 3, $\qquad$
6. Add or subtract.
$\begin{array}{r} \\ 32 \\ +\quad 41 \\ +\quad 23 \\ \hline\end{array}$

## MATH TERMS GLOSSARY

acute angle ...................................................... An angle that is less than a right angle or less than

90 degrees.


[^0]:    *n/c = no carrying *w/c = with carrying

