I. PART ONE

Learn Box

I know digits and place value to 1,000.
I remember addition and subtraction.

There are 26 letters in the alphabet, but only 10 digits to our number system.

The **digits** are **0, 1, 2, 3, 4, 5, 6, 7, 8, 9.**

Digits mean the same thing to mathematics as the letters of the alphabet mean to reading. Letters can be arranged to form words and digits can be arranged to form numbers.

Digits have value because of their place in the number.

Think of all the numbers you can write using 10 digits.

1.1 Write a number using 3 as the first digit, 4 as the second digit, and 7 as the last digit. _____

What position is the 3 in? _____ 4? _____ 7? _____

Write the number in words. _____

The digit **zero** has no value. We call it a **place holder.**

1.2 Using the number you have written in 1.1, put a zero between the digits 3 and 4. _____

What position is the 3 in? _____ 0? _____ 4? _____ 7? _____

Write the number in words. _____

Numbers that have more than one digit are called **multi-digit** numbers.

1.3 Write a multi-digit number with 8 in the thousands' place, 4 in the ones' place, 7 in the tens' place, and 0 in the hundreds' place. _____

Operation signs tell us how numbers relate to each other.
When we use these signs, we are comparing numbers by their value.

equal = not equal ≠ greater than > less than <

3.2 Write the correct symbol. >, <

a. 942 is _____ than 982.

b. 531 is _____ than 631.

c. 676 is _____ than 776.

d. 862 is _____ than 662.

e. 468 is _____ than 486.

7,639 is _____ than 7,937.

8,556 is _____ than 9,556.

4,280 is _____ than 4,820.

5,050 is _____ than 5,000.

46,253 is _____ than 56,253.

3.3 Circle the correct symbol. =, ≠

a. 4,578 is = , ≠ to 4,478.

b. 45,681 is = , ≠ to 45,681.

c. 32,760 is = , ≠ to 32,670.

d. 43,200 is = , ≠ to 53,200.

e. 75,028 is = , ≠ to 65,028.

3,022 is = , ≠ to 3,220.

80,250 is = , ≠ to 70,250.

15,750 is = , ≠ to 15,750.

80,000 is = , ≠ to 90,000.

58,262 is = , ≠ to 58,262.

3.4 Write the correct symbol. >, <

a. 72,458 is _____ than 76,458.

b. 56,765 is _____ than 46,765.

c. 22,960 is _____ than 22,760.

d. 61,200 is _____ than 71,200.

e. 95,500 is _____ than 95,700.

42,960 is _____ than 42,961.

88,571 is _____ than 87,571.

15,000 is _____ than 13,000.

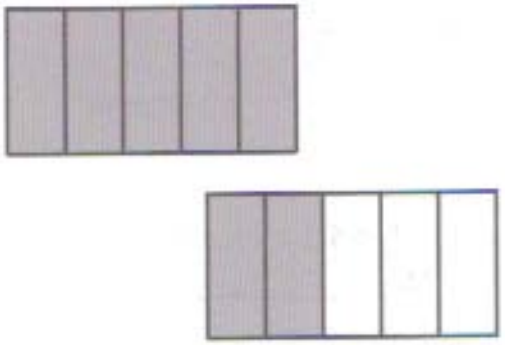
33,852 is _____ than 33,752.

47,900 is _____ than 43,900.

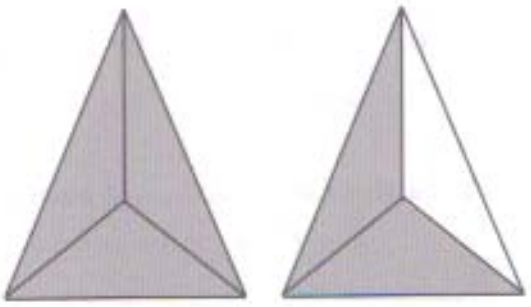
SELF TEST 1 (cont.)

1.06 Write each one of the following as 1) an improper fraction and 2) as a whole number or mixed number. (each answer, 1 point)

a.



b.



1) _____ 2) _____ 1) _____ 2) _____

1.07 Use division to change these improper fractions to whole numbers or mixed numbers. (each answer, 1 point)

a. $\frac{8}{5}$ = _____ b. $\frac{14}{7}$ = _____

1.08 Complete the number sentences. Circle the correct sign. (each answer, 1 point)

a. 2 + 5 + 8 (> , <) 3 x 6 b. 18 – 3 (> , <) 3 + 7 + 6

c. 48 ÷ 6 (= , ≠) 2 x 3 d. 75 – 3 (= , ≠) 9 x 8

1.09 Solve for the missing number. (each answer, 1 point)

a. N ÷ 3 = 9 N = _____

b. N – 6 = 7 N = _____

20/25

My score _____

Teacher check _____

MATHEMATICS 410: LIFEPAC TEST

1. Match (this exercise, 20 points).

a. _____ chart

b. _____ circle graph

c. _____ data

d. _____ predict

e. _____ bar graph

f. _____ picture graph

g. _____ estimation

h. _____ random sample

i. _____ average

j. _____ line graph

1. to tell something in advance
2. uses illustrations to show data
3. an opinion of the amount, value, or worth of something
4. connects points to show data
5. dividing the total number by the number being counted
6. represents the whole of the data
7. an arrangement of data in logical order
8. uses wide lines to show data
9. every member of a large group has an equal chance of being chosen
10. a list of facts from which a conclusion can be drawn

2. Complete these problems (each problem, 4 points).

a.
$$\begin{array}{r} 8{,}469 \\ +\ 3{,}216 \\ \hline \end{array}$$

b.
$$\begin{array}{r} 7{,}492 \\ -\ 1{,}493 \\ \hline \end{array}$$

c.
$$\begin{array}{r} 5{,}035 \\ \times\ 24 \\ \hline \end{array}$$

d. $5\overline{)463}$