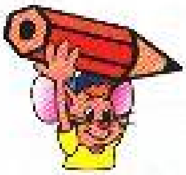


My name is

Memory Verse

"Thou shalt not kill."

Exodus 20:13

Objectives

1. I can add and subtract numbers to thousands.
2. I can learn the multiples for 2, 3, 5, and 10.
3. I can learn the meaning of 'quarter after' and 'quarter til'.
4. I can learn to give sensible answers.
5. I can learn to measure perimeter and area.
6. I can learn about equivalent fractions.
7. I can add and subtract money using dollar and cent signs.
8. I can learn the operation sign for multiplication.
9. I can learn multiplication facts for 2.
10. I can learn about line graphs.
11. I can learn about line segments and angles.

I. Part One

1.1 **Name each part of the addition problem.**

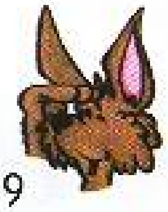
$$\begin{array}{rl} 38 & \underline{\qquad\qquad\qquad\qquad} \\ 46 & \underline{\qquad\qquad\qquad\qquad} \\ +\ 59 & \underline{\qquad\qquad\qquad\qquad} \\ \hline 143 & \underline{\qquad\qquad\qquad\qquad} \end{array}$$

1.2 **Add.**

$$\begin{array}{r} 3 \\ 6 \\ +\ 8 \\ \hline \end{array} \qquad \begin{array}{r} 24 \\ 36 \\ +\ 52 \\ \hline \end{array} \qquad \begin{array}{r} 74 \\ 21 \\ +\ 60 \\ \hline \end{array} \qquad \begin{array}{r} 43 \\ 38 \\ +\ 52 \\ \hline \end{array} \qquad \begin{array}{r} 321 \\ +\ 248 \\ \hline \end{array}$$

$$\begin{array}{r} 473 \\ +\ 209 \\ \hline \end{array} \qquad \begin{array}{r} 280 \\ +\ 450 \\ \hline \end{array} \qquad \begin{array}{r} 547 \\ +\ 363 \\ \hline \end{array} \qquad \begin{array}{r} 285 \\ +\ 696 \\ \hline \end{array} \qquad \begin{array}{r} 342 \\ 673 \\ +\ 428 \\ \hline \end{array}$$

We can add numbers to the thousands' place without carrying.



$$\begin{array}{r} 3{,}625 \\ 2{,}071 \\ \hline 5{,}696 \end{array}$$

Add ones' place. 5 + 1 = 6 Add tens' place. 2 + 7 = 9
Add hundreds' place. 6 + 0 = 6 Add thousands' place. 3 + 2 = 5
Write the comma to separate thousands from hundreds.

1.3 **Add.**

$$\begin{array}{r} 4{,}290 \\ +\ 3{,}506 \\ \hline \end{array} \qquad \begin{array}{r} 2{,}357 \\ +\ 6{,}232 \\ \hline \end{array} \qquad \begin{array}{r} 5{,}114 \\ +\ 4{,}603 \\ \hline \end{array} \qquad \begin{array}{r} 1{,}624 \\ +\ 3{,}053 \\ \hline \end{array}$$

We can add numbers to the thousands' place with carrying.

111			
4,736	Add ones.	6 + 6 = 12	Write the 2 and carry 1 ten.
2,496	Add tens.	1 + 3 + 9 = 13	Write the 3 and carry 1 hundred.
7,232	Add hundreds.	1 + 7 + 4 = 12	Write the 2 and carry 1 thousand.
	Add thousands.	1 + 4 + 2 = 7	Write the comma in the sum.

We do not always need to carry each place.

1 1			
3,315	Add ones.	5 + 8 = 13	Write the 3 and carry 1 ten.
4,738	Add tens.	1 + 1 + 3 = 5	Write the 5.
8,053	Add hundreds.	3 + 7 = 10	Write the 0 and carry 1 thousand.
	Add thousands.	1 + 3 + 4 = 8	Write the comma in the sum.

1.4 Add.

$$\begin{array}{r} 2,765 \\ +\ 3,051 \\ \hline \end{array} \qquad \begin{array}{r} 4,253 \\ +\ 2,807 \\ \hline \end{array} \qquad \begin{array}{r} 6,095 \\ +\ 2,538 \\ \hline \end{array} \qquad \begin{array}{r} 5,226 \\ +\ 3,485 \\ \hline \end{array}$$

$$\begin{array}{r} 7,364 \\ +\ 1,859 \\ \hline \end{array} \qquad \begin{array}{r} 6,773 \\ +\ 2,541 \\ \hline \end{array} \qquad \begin{array}{r} 3,440 \\ +\ 2,359 \\ \hline \end{array} \qquad \begin{array}{r} 1,057 \\ +\ 2,063 \\ \hline \end{array}$$

1.5 Write the numbers before and after.

________ 3,860 ________ 5,996 ________ 2,406

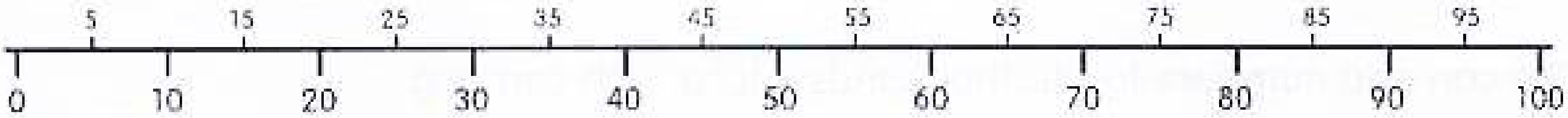
5,291 ________ 6,399 ________ 7,999 ________

1.6 Write the numbers in number order.

Remember, to arrange numbers in number order, we begin at the left (thousands) and then compare hundreds, tens, and ones.

8,654 8,645 8,456 8,564 6,845 6,458

________ ________ ________ ________ ________ ________



When we count by 2's, 3's, 5's, and 10's,
we are learning about multiplication.

When we count by 2's, 3's, 5's, and 10's,
we are saying the multiples of 2, 3, 5, and 10.

1.7 Count by 2's, 3's, 5's, and 10's. Write the multiples.

2 to 20 ____ ____ ____ ____ ____ ____ ____ ____ ____ ____

3 to 30 ____ ____ ____ ____ ____ ____ ____ ____ ____ ____

5 to 50 ____ ____ ____ ____ ____ ____ ____ ____ ____ ____

10 to 100 ____ ____ ____ ____ ____ ____ ____ ____ ____ ____

1.8 Circle the correct numbers.

6 is a multiple of (2, 3, 5, 10).

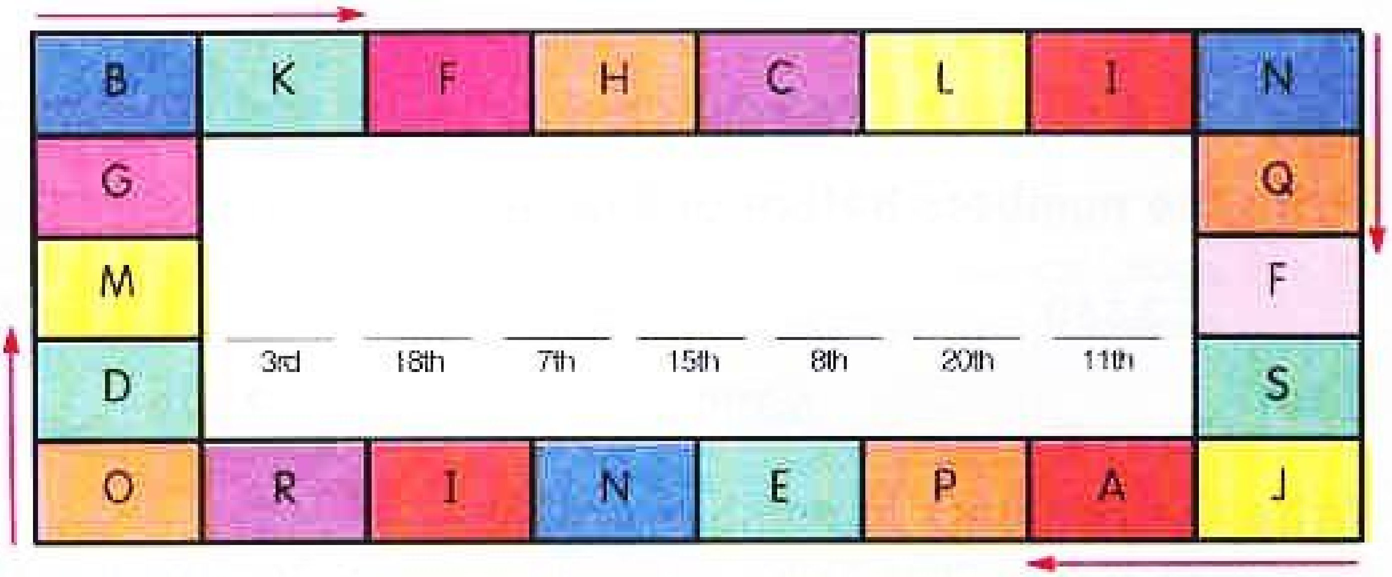
10 is a multiple of (2, 3, 5, 10).

15 is a multiple of (2, 3, 5, 10).

30 is a multiple of (2, 3, 5, 10).

The letters start with B and go around the chart to G.
Read the number order of the letters (B is first, K is second, F is third, ...).

1.9 Find the letter on the chart and write it on the line.



____ 3rd ____ 18th ____ 7th ____ 15th ____ 8th ____ 20th ____ 11th

Draw a picture
of your answer.

We can find patterns in numbers.
Learning patterns helps us understand numbers.

1.10 **Add.** Write E (even) or (O) odd on the line below each number.

12 + 26 = ____ 11 + 15 = ____ 16 + 13 = ____ 21 + 32 = ____

___ + ___ = ____ ___ + ___ = ____ ___ + ___ = ____ ___ + ___ = ____

When we add two even numbers or two odd numbers,
the answer is __________.

When we add an even and odd number together,
the answer is __________.

1.11 **Add.** Write E (even) or O (odd) on the line below each number.
Did your answer follow the pattern? Write 'yes' or 'no'.

(yes, no) (yes, no)

35 + 19 = ____ 44 + 38 = ____

___ + ___ = ____ ____ ___ + ___ = ____ ____

27 + 52 = ____ 62 + 45 = ____

___ + ___ = ____ ____ ___ + ___ = ____ ____

1.12 **Read the sentence.** Write the answer in numbers.

If we buy 3 dozen eggs, we have bought __________ eggs.

If we bake 4 dozen cookies, we have baked __________ cookies.

If there are a dozen inches in one foot,
we can say there are __________ inches in two feet.

If there are a dozen hours from midnight
to noon, we can say there are __________ hours in the morning.

1.13 Write the time on the clocks.

____:____

____:____

____:____

____:____

1.14 Write the answers. AM, PM, second, dial, hour, digital, minute

The first and second clocks above are ____________ clocks.

The third and fourth clocks are ____________ clocks.

The long hand on the clock is the ____________ hand.

The short hand on the clock the ____________ hand.

The hand that goes around once every minute is the ____________ hand.

The time from midnight to noon is ____________.

The time from noon to midnight is ____________.

1.15 Write the standard measurements for time.

_____ seconds = 1 minute

_____ minutes = 1 hour

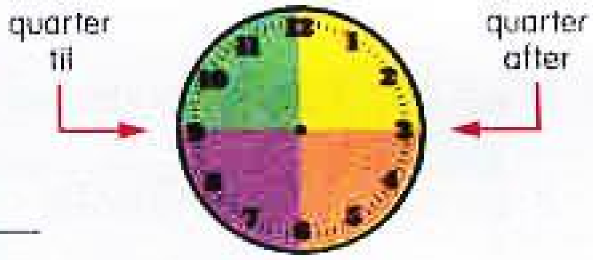
_____ hours = 1 day

_____ days = 1 month

_____ months = 1 year

_____ days = 1 year

We may use the expressions
'quarter after' or 'quarter til' to tell time.
Look at the clock in the illustration.
The clock has been divided into four parts.
Each part is one quarter of the whole.
How many minutes in one quarter? ________



If we say it is 'quarter after' 3, it is 3:15. If we way it is 'quarter til' 4, it is 3:45.

If we say it is 'quarter after' 6, it is ________.

If we say it is 'quarter til' 9, it is ________.

Self Test 1

1.01 Add. (2 points each)

4,368 + 2,305 = ____

5,447 + 2,396 = ____

2,853 + 1,678 = ____

3,435 + 2,791 = ____

1.02 Write the multiples of ... (3 points each)

2. ____, ____, ____, ____, ____, ____, ____, ____, ____, ____

3. ____, ____, ____, ____, ____, ____, ____, ____, ____, ____

1.03 Add. Write E (even) or O (odd) on the line below each number. Write 'yes' or 'no' for pattern.

31 + 27 = ____ (yes, no)

____ + ____ = ____ ____

55 + 32 = ____ (yes, no)

____ + ____ = ____ ____

1.04 Read the sentence. Write the answer.

When we add ...

two even numbers or two odd numbers, the answer is ________.

an even and odd number together, the answer is ________.

If we buy a dozen eggs, we have bought ________ eggs.

1.05 Write the answers. AM, PM, second, dial, hour, digital, minute

The short hand on the clock is the ____________ hand.

The hand that goes around once every minute is the ____________ hand.

1.06 Write the standard measurements for time.

____ seconds = 1 minute

____ minutes = 1 hour

____ hours = 1 day

____ days = 1 month

____ months = 1 year

____ days = 1 year

28
35

Teacher Check ____________________
Initial Date

II. Part Two

2.1 **Name each part of the subtraction problem.**

573 ____________________

− 251 ____________________

322 ____________________

2.2 **Subtract.**

$$\begin{array}{r} 56 \\ -\ 42 \\ \hline \end{array} \qquad \begin{array}{r} \square \\ 92 \\ -\ 76 \\ \hline \end{array} \qquad \begin{array}{r} \square \\ 85 \\ -\ 59 \\ \hline \end{array} \qquad \begin{array}{r} 763 \\ -\ 251 \\ \hline \end{array} \qquad \begin{array}{r} \square\square \\ 490 \\ -\ 367 \\ \hline \end{array}$$

$$\begin{array}{r} \square\square \\ 863 \\ -\ 291 \\ \hline \end{array} \qquad \begin{array}{r} \square\square \\ 532 \\ -\ 209 \\ \hline \end{array} \qquad \begin{array}{r} \square\square \\ 728 \\ -\ 456 \\ \hline \end{array} \qquad \begin{array}{r} \square\square\square \\ 634 \\ -\ 497 \\ \hline \end{array} \qquad \begin{array}{r} \square\square\square \\ 924 \\ -\ 638 \\ \hline \end{array}$$

We can subtract numbers to the thousands' place without borrowing.

$$\begin{array}{r} 7{,}663 \\ -\ 5{,}031 \\ \hline 2{,}632 \end{array}$$

Subtract ones' place. 3 − 1 = 2 Subtract tens' place. 6 − 3 = 3
Subtract hundreds' place. 6 − 0 = 6 Subtract thousands' place. 7 − 5 = 2
Write the comma to separate thousands from hundreds.

2.3 **Subtract.**

$$\begin{array}{r} 6{,}357 \\ -\ 4{,}235 \\ \hline \end{array} \qquad \begin{array}{r} 7{,}936 \\ -\ 2{,}034 \\ \hline \end{array} \qquad \begin{array}{r} 8{,}875 \\ -\ 6{,}253 \\ \hline \end{array} \qquad \begin{array}{r} 9{,}051 \\ -\ 4{,}030 \\ \hline \end{array}$$

It is important to look at our answers when we have finished a problem.
Do we have a sensible answer? Does the answer seem to be reasonable?
We always want our answers to be correct.

You have learned rules for even and odd numbers.
You have learned rules for rounding numbers.
These rules help you to know that you have a sensible answer.

2.4 *Do not read the sentences.* Close your LIFEPAC. Select ten numbers between 1 and 100. Write them on a piece of paper. Open the LIFEPAC. **Write the numbers from your list on the blank lines below.**

I ate ________ bowls of cereal for breakfast this morning.

I brushed all of my ________ teeth.

I took my dog for a walk. We walked ________ blocks.

I finished ________ pages in my math LIFEPAC during math class.

When I went out to play, I wore ________ sweaters to keep me warm.

My friend and I played basketball with ________ balls.

After playing, we ate ________ cookies and drank ________ glasses of milk.

We watched our favorite television show for ________ hours.

That night I was so tired, I slept ________ hours.

Read the sentences. How many sensible answers did you have?________

2.5 **Add 8 to each number.**

5 ________ 8 ________ 3 ________ 0 ________ 9 ________ 2 ________

2.6 **Subtract 7 from each number.**

13 ________ 9 ________ 11 ________ 7 ________ 15 ________ 10 ________

2.7 Write the standard measurements for length.

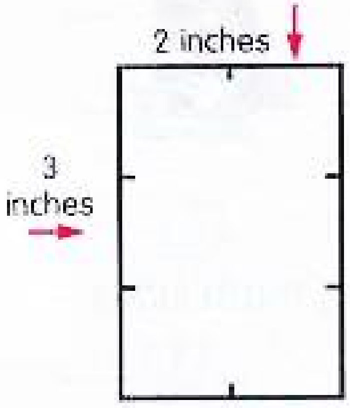
_____ inches = 1 foot   _____ inches = 1 yard   _____ feet = 1 yard

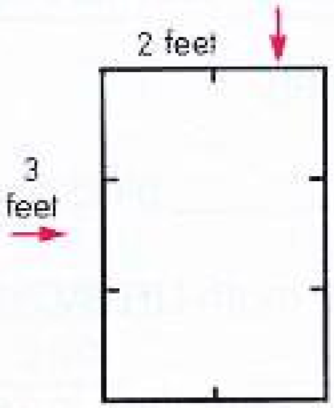
You should learn that 5,280 feet = 1 mile.

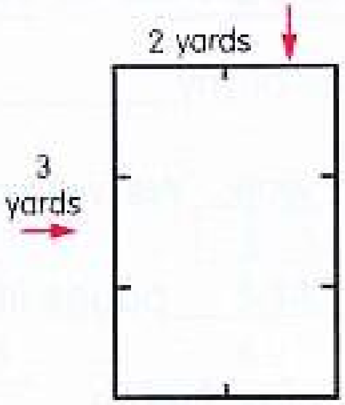
Perimeter is the distance around the outside of a plane shape.
Perimeter measures length.
Perimeter is measured in linear measurements.

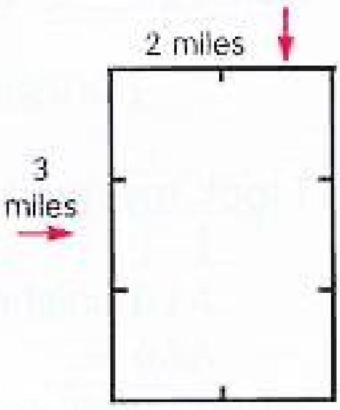
2.8 Each one of the rectangles below shows a different measurer.

Find the perimeter measurement of each one. Label answers.



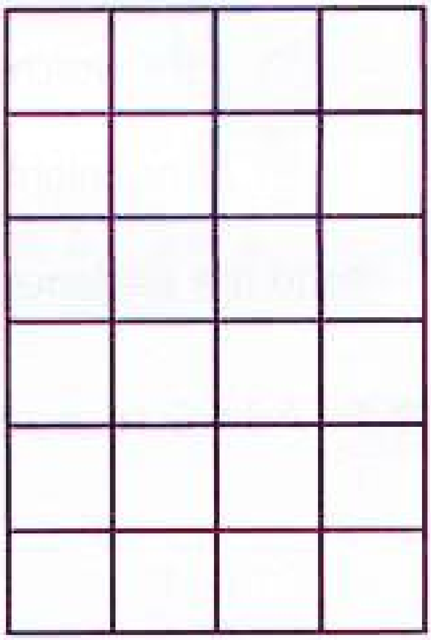






_______   _______   _______   _______

Area measures surface.
Area is measured in square measurements.
Look at the rectangle.
Each box represents one square inch.



2.9 Write the answer.

How many linear inches are there around the outside of the rectangle? _________

The perimeter is _________ linear inches.

How many square inches in the rectangle? _________

The area is _________ square inches.

You will need
a large piece of paper, a ruler, scissors,
and a large table.

2.10 Draw a square on the large piece of paper.

Make the square 12 inches (1 foot) on each side.
Draw a line at every inch both across and up and down.
Your drawing will have squares like the drawing on page 10.
Cut out the square foot.
Write a number in each square until every square is filled.

Write how many. _______ square inches = 1 square foot

The standard measurements for square measurement are ...

144 square inches = 1 square foot 9 square feet = 1 square yard

2.11 Place the square foot that you have cut out on a flat table.

Place a marker at the corner where you are beginning.
Measure the surface of the table by moving the square foot until you have measured all of the top of the table.

Write the measurement.
Label your answer correctly. ______________________

2.12 Find some places to measure using the square foot.

Write the name of what you are measuring.
Write the measurement. Label your answer correctly.

______________________ = ______________________

______________________ = ______________________

______________________ = ______________________

______________________ = ______________________

______________________ = ______________________

2.13 **Write the names of the fraction on the lines.**

fraction bar numerator denominator

$$\frac{7}{8}$$

____________ ____________

____

2.14 **Add or subtract.** Follow the steps. Draw the fraction bar. Write the denominator. Add or subtract the numerator.

$$\begin{array}{r} \frac{3}{5} \\ + \frac{2}{5} \\ \hline \end{array} \qquad \begin{array}{r} \frac{4}{9} \\ + \frac{3}{9} \\ \hline \end{array} \qquad \begin{array}{r} \frac{5}{16} \\ + \frac{7}{16} \\ \hline \end{array} \qquad \begin{array}{r} \frac{6}{7} \\ - \frac{3}{7} \\ \hline \end{array} \qquad \begin{array}{r} \frac{5}{8} \\ - \frac{1}{8} \\ \hline \end{array} \qquad \begin{array}{r} \frac{9}{16} \\ - \frac{4}{16} \\ \hline \end{array}$$

We can add and subtract fractions written as horizontal problems. We rewrite the problem and then follow the steps.

$\frac{2}{7} + \frac{4}{7} =$ ________

$$\begin{array}{r} \frac{2}{7} \\ + \frac{4}{7} \\ \hline \frac{6}{7} \end{array}$$

$\frac{9}{12} - \frac{5}{12} =$ ________

$$\begin{array}{r} \frac{9}{12} \\ - \frac{5}{12} \\ \hline \frac{4}{12} \end{array}$$

2.15 **Rewrite the horizontal problems.** Add or subtract.

$\frac{3}{8} + \frac{4}{8} =$ _____. $\frac{2}{9} + \frac{3}{9} =$ _____. $\frac{6}{10} - \frac{2}{10} =$ _____. $\frac{9}{15} - \frac{3}{15} =$ _____.

2.16 **Think the answer.** Write the answer.

3 + 4 + 7 − 6 + 2 − 5 = _____. 9 − 6 + 2 − 0 + 3 + 8 = _____.

12 − 8 + 6 − 4 + 9 − 3 = _____. 15 + 3 − 9 + 4 + 2 − 6 = _____.

2.17 Write how many. Write the value.

283 = _____ thousands _____ hundreds _____ tens _____ ones

= __________ + __________ + ________ + _____

2,904 = _____ thousands _____ hundreds _____ tens _____ ones

= __________ + __________ + ________ + _____

4,006 = _____ thousands _____ hundreds _____ tens _____ ones

= __________ + __________ + ________ + _____

84 = _____ thousands _____ hundreds _____ tens _____ ones

= __________ + __________ + ________ + _____

2.18 Write six different numbers. 3, 5, 1, 7

Write the value of the 7 below each number. 7, 70, 700, 7,000

________ ________ ________ ________ ________ ________

________ ________ ________ ________ ________ ________

2.19 Write the smallest number and the largest number.

4, 7, 0, 8 ________ ________ 0, 6, 7, 5 ________ ________

6, 0, 3, 1 ________ ________ 9, 2, 6, 0 ________ ________

Which digit was not used when you wrote the smallest number? ________

Why is zero written in a number? ____________________________

2.20 Circle the correct operation signs.

6 + 3 (=, ≠) 2 + 7 5 + 6 (>, <) 8 + 4 17 − 9 (=, ≠) 15 − 8

1,399 (>, <) 1,299 3 + 0 (=, ≠) 3 − 0 2,656 (>, <) 2,246

Self Test 2

2.01 **Subtract.**

43 − 29 = ____

782 − 536 = ____

427 − 243 = ____

544 − 378 = ____

4,675 − 2,341 = ____

2.02 **Write the standard measurements.**

_____ inches = 1 foot

_____ inches = 1 yard

_____ feet = 1 yard

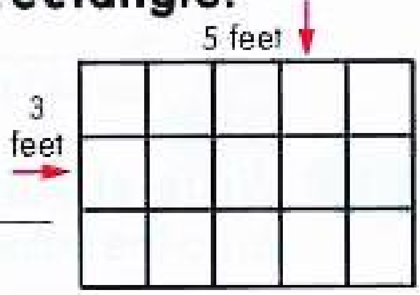
_____ feet = 1 mile

_____ square inches = 1 square foot

_____ square feet = 1 square yard

2.03 **Write the perimeter measurement of the rectangle.**

Write the area measurement.
You must label your answers correctly.



perimeter ________________ area ________________

2.04 **Rewrite the fraction problems.** Add or subtract.

$\frac{2}{7} + \frac{3}{7} =$ _____.

$\frac{5}{12} + \frac{6}{12} =$ _____.

$\frac{8}{10} - \frac{4}{10} =$ _____.

$\frac{9}{16} - \frac{3}{16} =$ _____.

2.05 **Write the smallest number and the largest number.**

5, 6, 0, 3 ________ ________

1, 0, 5, 4 ________ ________

Why is zero written in a number? ____________________

2.06 **Circle the correct operation signs.**

7 + 8 (=, ≠) 9 + 5

13 − 6 (>, <) 6 + 4

4,682 (>, <) 4,582

20/25

Teacher Check ____________________
Initial Date

III. Part Three

3.1 **Add.**

3 6 + 8	14 27 + 30	476 + 289	687 + 208	328 654 + 791
1,256 + 3,684	4,305 + 5,473	1,509 + 2,483	5,476 + 3,185	4,638 + 3,794
2,543 + 4,261	5,320 + 3,567	4,768 + 2,735	5,639 + 3,253	2,773 + 6,124

3.2 **Write numbers in digits.** Circle them in the number puzzle.

Three thousand, fifty-seven ____________

Six thousand, eight hundred seventeen ____________

Two thousand, six hundred twenty-nine ____________

Seven thousand, three hundred seven ____________

Five thousand, one hundred nine ____________

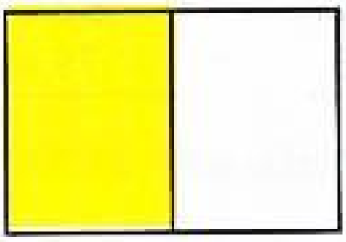
Six thousand, one hundred twenty-one ____________

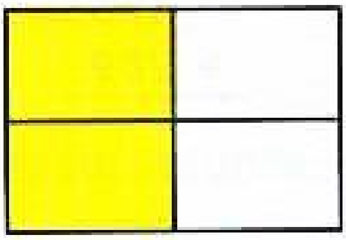
6	3	4	2	7
5	1	0	9	3
7	4	2	5	0
1	6	8	1	7
2	3	9	0	8

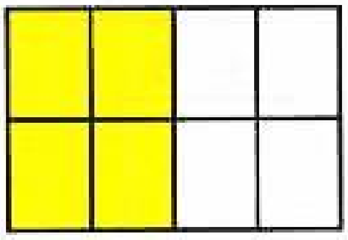
The denominator of a fraction tells how many parts in the whole (or set).
The numerator of a fraction tells how many parts we are talking about.

3.3 Write the fraction that describes the yellow part of the box.

Answer the question.







______ ______ ______

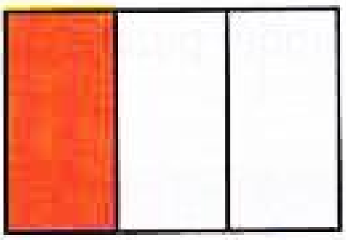
How are the boxes alike?
Each box is the same size. Each yellow part is the same size.
How are the boxes different?
The first box has 2 parts, the second has 4 parts, the third has 8 parts.

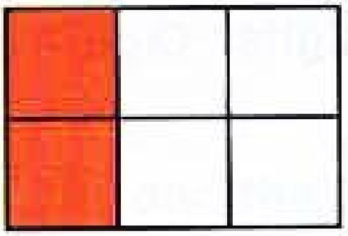
You have written three fractions.
Each fraction describes the same part (the yellow part) of the same box.
Fractions that describe like things are equivalent fractions.

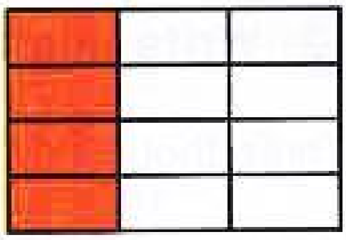
Write the equivalent fractions for the boxes. _____ = _____ = _____

3.4 Write the fraction that describes the orange part of the box.

Answer the question.







______ ______ ______

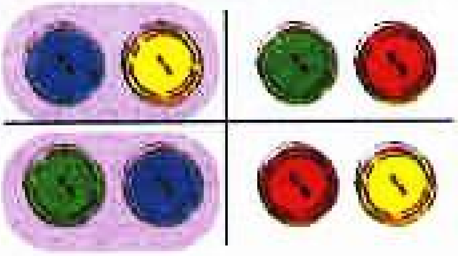
Look at the fractions that you wrote.
You could describe the orange part of the box in three ways.

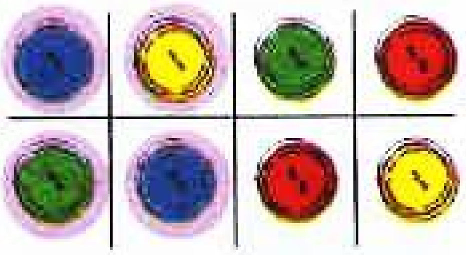
Each time the denominator changed, the ______________ also changed.

_____, _____, and _____ are alike. They are equivalent fractions.

A set of 8 buttons has been divided into 2 parts, 4 parts, and 8 parts.
The number of parts we are talking about are shaded purple.

3.5 Write the fraction that describes the circled part of the set.





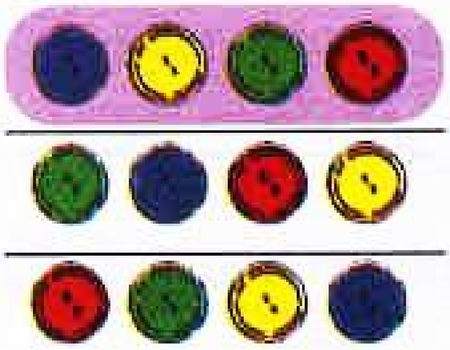
_____ _____ _____

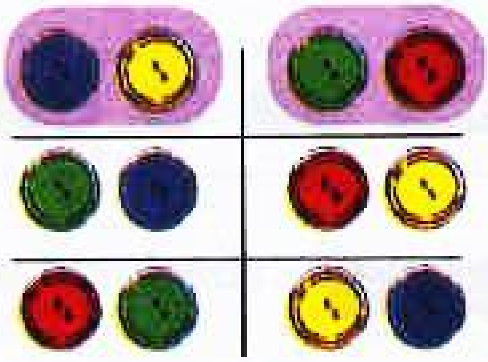
How are the sets alike?
Each set is the same size. Each circled part is the same size.
How are the sets different?
The first set has 2 parts, the second has 4 parts, the third has 8 parts.

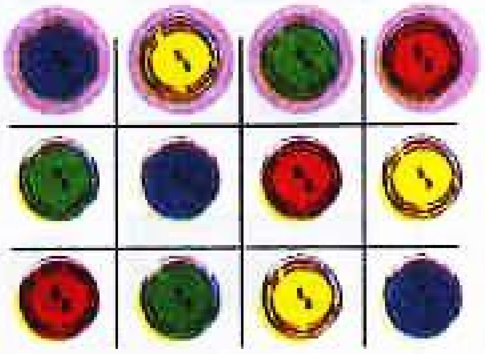
You have written three fractions.
Each fraction describes the same part (the circled part) of the same set.
Fractions that describe like things are equivalent fractions.

Write the equivalent fractions for the sets. _____ = _____ = _____

3.6 Write the fraction that describes the circled part of the set.







_____ _____ _____

Look at the fractions that you wrote.
You could describe the circled part of the set in three ways.

Each time the denominator changed, the _____________ also changed.

_____, _____, and _____ are alike. They are equivalent fractions.

Money that is less than 100 cents is written using the cent sign (¢) 45¢
or with the dollar sign and decimal point. $ .45

Money greater than 100 cents is written
with the dollar sign and decimal point. $5.45

We can add or subtract money problems.
We add or subtract the problem. We carry or borrow as we have learned.
We write the sign(s) in the answer. Study each example carefully.

$$\begin{array}{r} 1\phantom{0\text{¢}} \\ 48\text{¢} \\ +\ 37\text{¢} \\ \hline 85\text{¢} \end{array} \qquad \begin{array}{r} 1\phantom{0\text{¢}} \\ 83\text{¢} \\ +\ 59\text{¢} \\ \hline \$1.42 \end{array} \qquad \begin{array}{r} 1\ 1\ 1 \\ \$25.48 \\ +\ \$36.72 \\ \hline \$62.20 \end{array} \qquad \begin{array}{r} \boxed{6}\boxed{14}\phantom{\text{¢}} \\ 74\text{¢} \\ -\ 26\text{¢} \\ \hline 48\text{¢} \end{array} \qquad \begin{array}{r} \boxed{3}\boxed{12} \\ \$39.\cancel{4}\cancel{2} \\ -\ \$29.27 \\ \hline \$10.15 \end{array} \qquad \begin{array}{r} \boxed{7}\boxed{15} \\ \$72.\cancel{8}\cancel{5} \\ -\ \$72.37 \\ \hline \$\ \ .48 \end{array}$$

3.7 **Write money using cent signs or dollar signs and decimal points.** Add or subtract. Label answers correctly.

____

\+ __________

____

____

\+ __________

____

____

\- __________

____

____

\- __________

____

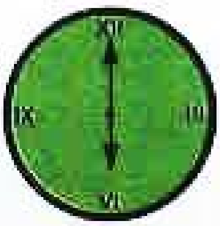
Roman numerals correspond to Arabic numerals in this way.

I = 1 V = 5 X = 10 L = 50 C = 100 D = 500 M = 1,000

Fours and nines are the only Roman numerals formed by subtraction.
The Roman numeral is placed before the numeral it is to be subtracted from.

XIV = X + V − I = 10 + 5 − 1 = 14

CXIX = C + X + X − I = 100 + 10 + 10 − 1 = 119



3.8 Write Roman numerals in Arabic numerals.

Follow the example.

LX = ______________ = ______________ = ________

LVII = ______________ = ______________ = ________

LIV = ______________ = ______________ = ________

CXIV = ______________ = ______________ = ________

DXC = ______________ = ______________ = ________

MCXV = ______________ = ______________ = ________

3.9 Round numbers to tens' place.

47 ______ 18 ______ 73 ______ 25 ______ 96 ______ 32 ______

3.10 Round numbers to hundreds' place.

358 ______ 642 ______ 153 ______ 829 ______ 471 ______ 292 ______

3.11 Round the numbers. Add both problems. Is your answer sensible?

53 ______ 42 ______ 326 ______ 553 ______

\+ 29 ______ + 86 ______ + 468 ______ + 347 ______

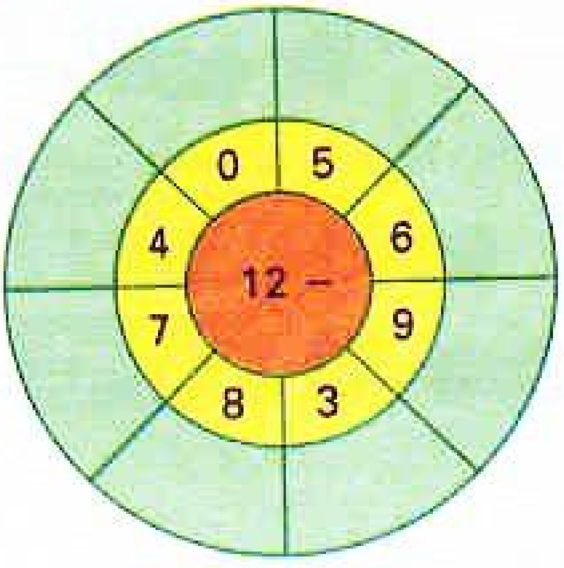
3.12 **Subtract.**

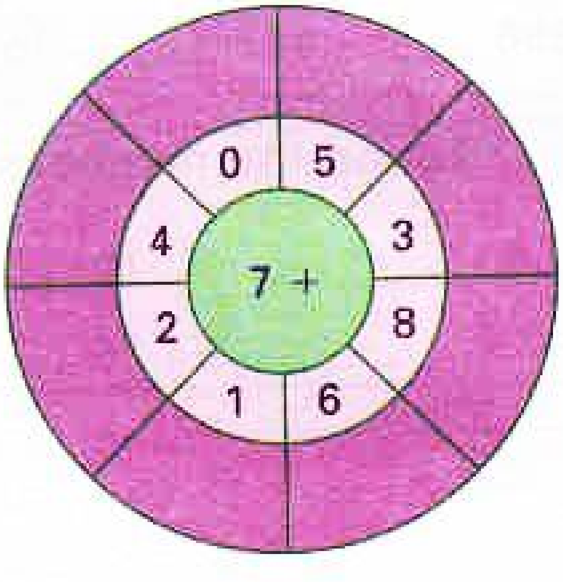
$$\begin{array}{r} 76 \\ -\ 23 \\ \hline \end{array} \qquad \begin{array}{r} 97 \\ -\ 52 \\ \hline \end{array} \qquad \begin{array}{r} 438 \\ -\ 27 \\ \hline \end{array} \qquad \begin{array}{r} \square\square \\ 692 \\ -\ 86 \\ \hline \end{array} \qquad \begin{array}{r} \square\square\square \\ 723 \\ -\ 65 \\ \hline \end{array}$$

$$\begin{array}{r} 456 \\ -\ 134 \\ \hline \end{array} \qquad \begin{array}{r} 527 \\ -\ 303 \\ \hline \end{array} \qquad \begin{array}{r} \square\square \\ 685 \\ -\ 429 \\ \hline \end{array} \qquad \begin{array}{r} \square\square \\ 763 \\ -\ 582 \\ \hline \end{array} \qquad \begin{array}{r} \square\square\square \\ 951 \\ -\ 365 \\ \hline \end{array}$$

$$\begin{array}{r} 4{,}361 \\ -\ 1{,}230 \\ \hline \end{array} \qquad \begin{array}{r} 9{,}755 \\ -\ 4{,}024 \\ \hline \end{array} \qquad \begin{array}{r} \square\square \\ 453 \\ -\ 237 \\ \hline \end{array} \qquad \begin{array}{r} \square\square \\ 846 \\ -\ 581 \\ \hline \end{array} \qquad \begin{array}{r} \square\square\square \\ 538 \\ -\ 249 \\ \hline \end{array}$$

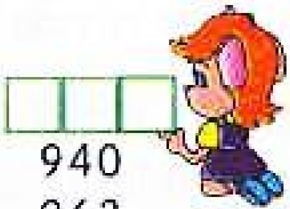
3.13 **Write the answers to the facts.**





Self Test 3

3.01 **Add or subtract.**



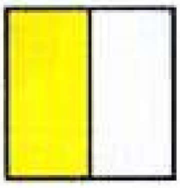
2,086
+ 3,456
______

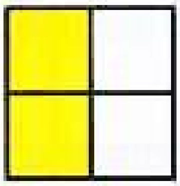
7,649
+ 1,583
______

940
− 263
______

5,726
− 3,401
______

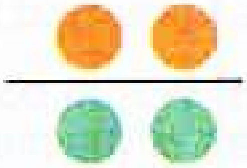
3.02 **Write the fraction** for the yellow part of the boxes.

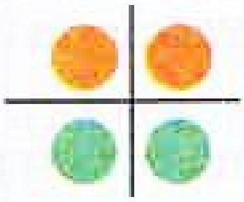




______ = ______

3.03 **Write the fraction** for the orange part of the sets.





______ = ______

3.04 **Write money using cent signs or dollar signs and decimal points.** Be sure to put the correct signs in your answer. (3 points)

______
+ ______
______

3.05 **Write Roman numerals in Arabic numerals.**
Write the missing numbers. (6 points)

LXIV = __________ = __________ = ______

MCCX = __________ = __________ = ______

3.06 **Round the numbers**. Add problems. Is your answer sensible?

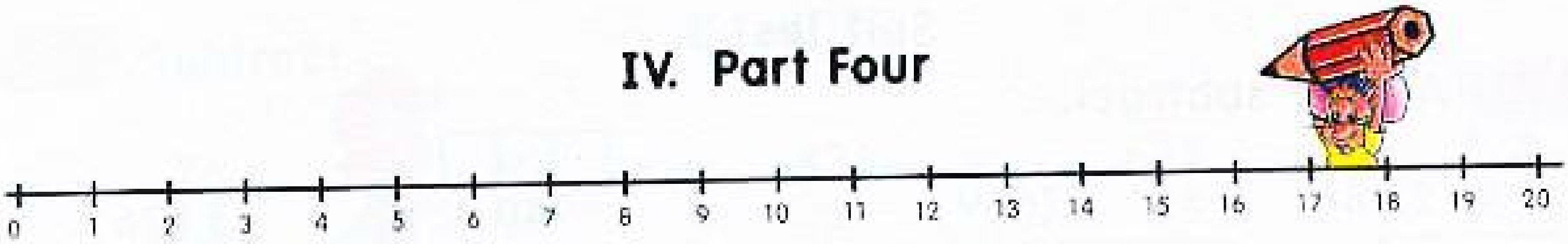
72 ______
+ 35 ______
______

524 ______
+ 382 ______
______

20/25

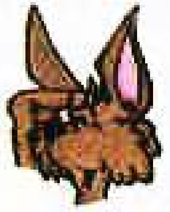
Teacher Check ____________
Initial Date

IV. Part Four



4.1 Write the multiples of 2 to 20.

______, ______, ______, ______, ______, ______, ______, ______, ______, ______



In mathematics, we like to find 'short cuts'.
We can do things faster and more easily if we use 'short cuts'.

Multiplication is a fast way to do addition.
Look at the pattern of the numbers. Compare the pattern to the multiples.

2 = 2	One two is equal to 2.
2 + 2 = 4	Two 2's are equal to 4.
2 + 2 + 2 = 6	Three 2's are equal to 6.
2 + 2 + 2 + 2 = 8	Four 2's are equal to 8.

4.2 Continue the pattern. Write the numbers on the blanks.

Five 2's are equal to ______. Six 2's are equal to ______.

Seven 2's are equal to ______. Eight 2's are equal to ______.

Nine 2's are equal to ______. Ten 2's are equal to ______.

We use the word 'times' and the operation symbol '×' in multiplication.

One times two equals two. 1 × 2 = 2

4.3 Write the missing numbers. Write the missing words.

1 × 2 = ______ 2 × 2 = ______ 3 × 2 = ______ 4 × 2 = ______

5 × 2 = ______ 6 × 2 = ______ 7 × 2 = ______ 8 × 2 = ______

9 × 2 = ______ 10 × 2 = ______

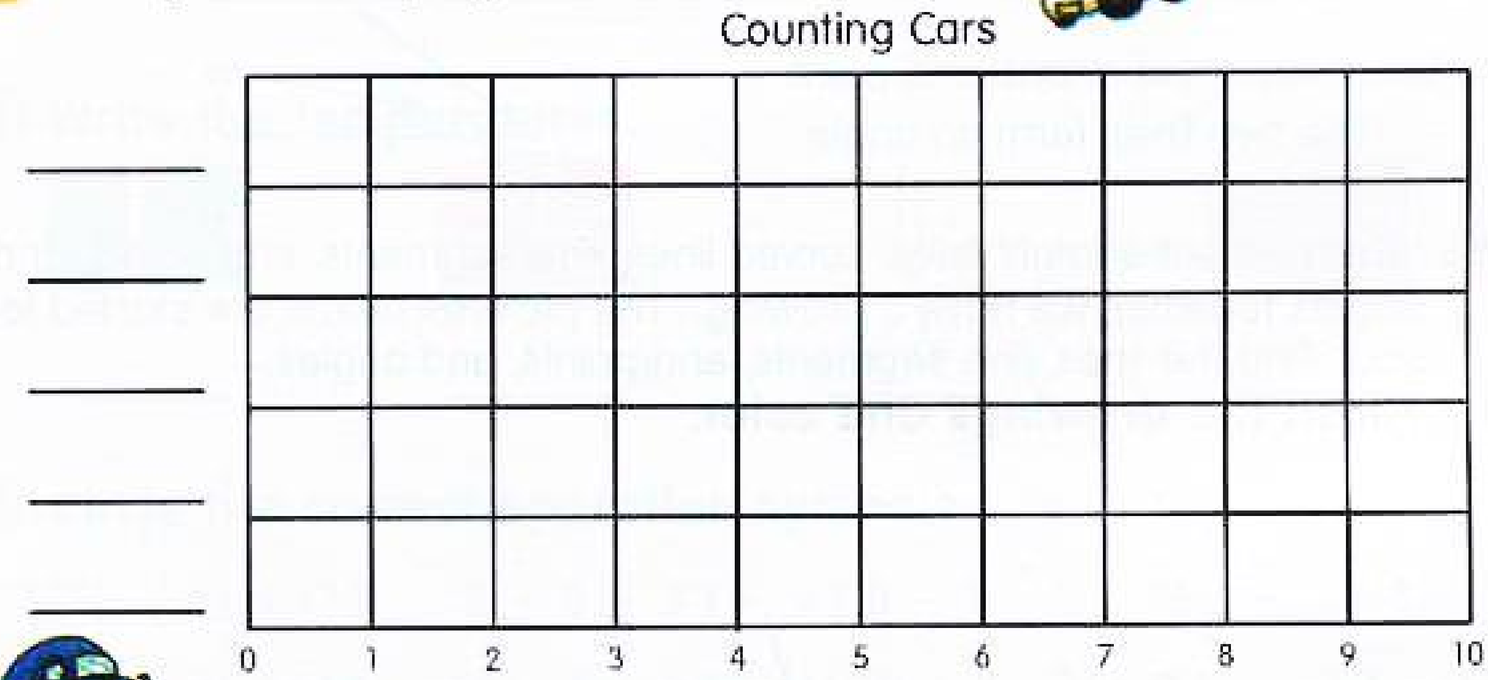
Three times two equals ______. Seven times two equals ______.

Danny and Kenny live on a busy street. They decided to count the cars as they came by. They counted 27 cars in these colors:

7 - blue 5 - green 8 - white 2 - yellow 5 - black

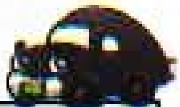
They wanted to tell their friends about the cars that they counted. Danny decided to use a bar graph. Here is the bar graph that he started.

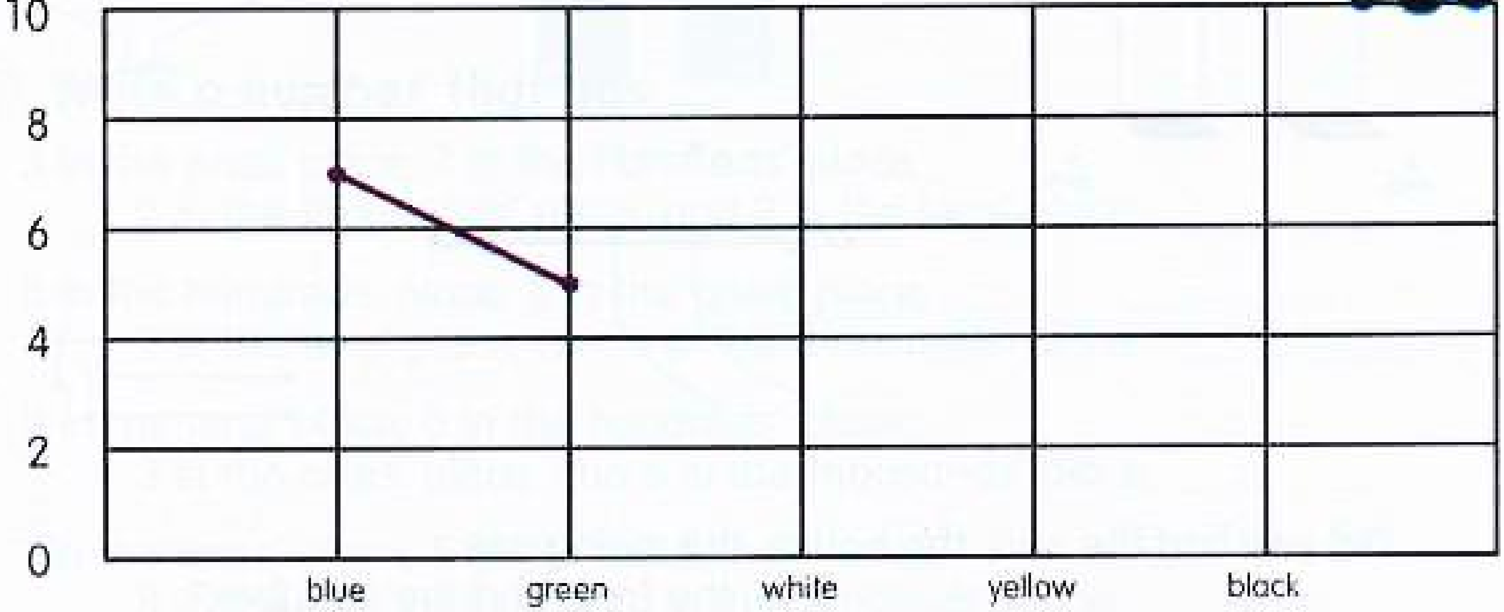
4.4 Complete the graph.



Line graphs are similar to bar graphs. Line graphs use lines to show the data. Kenny decided to use a line graph. Here is the line graph that he started.

4.5 Complete the graph.





You will need
a ruler and crayons.

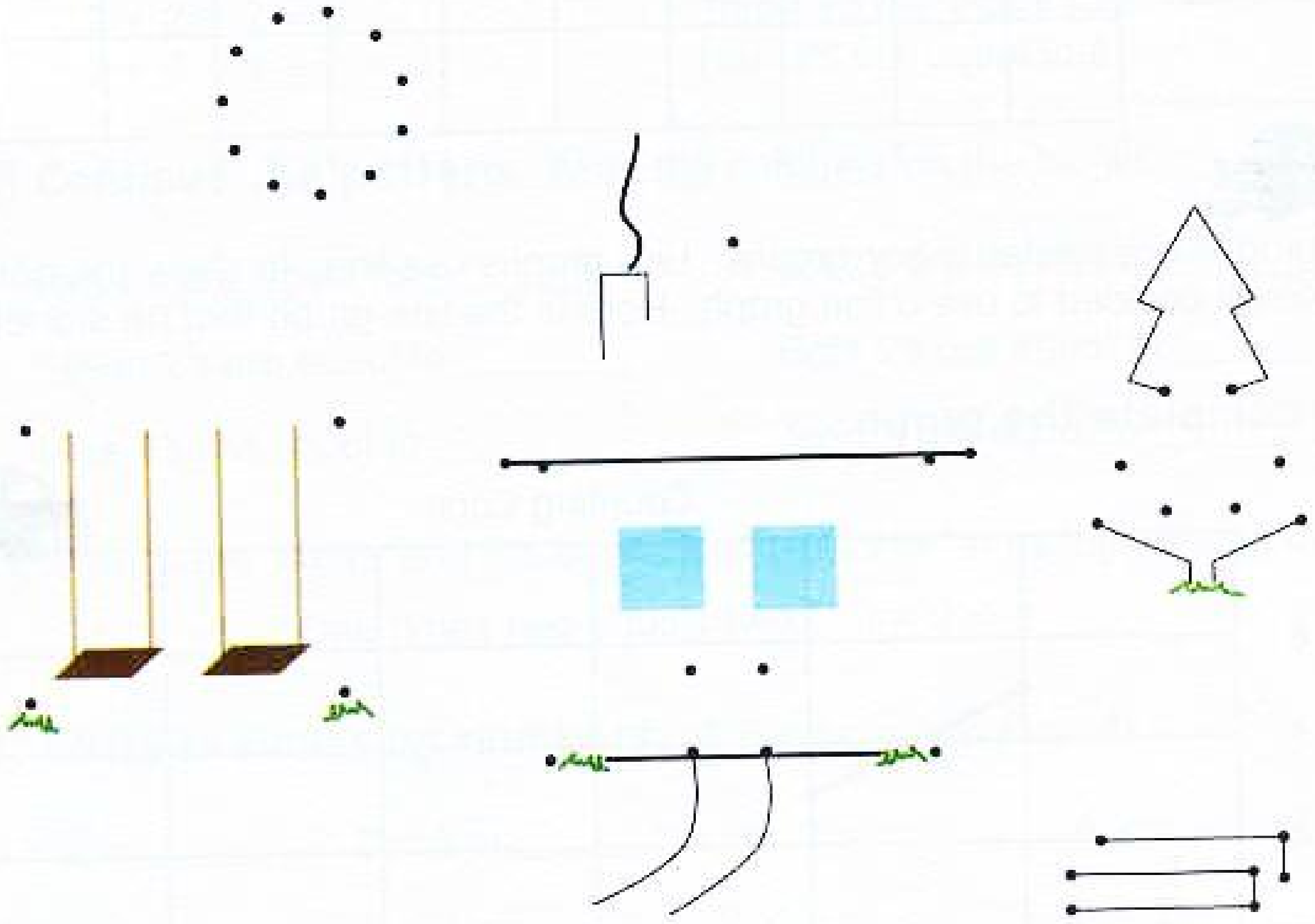
A line may be straight  or curved 

A part of a line is a line segment. 

The dots that show the beginning and end of the line segment are end points.

Two lines may meet at one end point.
The two lines form an angle.

4.6 When we put straight lines, curved lines, line segments, end points, and angles together, we have a drawing. The pictures below are started for you. Find the lines, line segments, end points, and angles.
Finish the drawings and color.



Did you find the sun, the house, the swing set,
the tree, and the sandbox? ________

4.7 Write the family of facts.

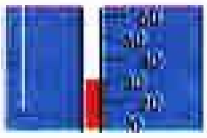
4, 7, 11 ________ ________ ________ ________

6, 8, 14 ________ ________ ________ ________

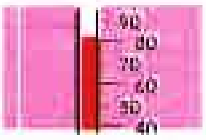
3, 5, 8 ________ ________ ________ ________

7, 9, 16 ________ ________ ________ ________

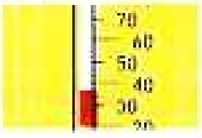
4.8 Write the temperatures.



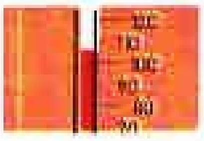
________ °F



________ °F



________ °F



________ °F

4.9 Circle the correct operation symbols.

5,362 (>, <) 5,373   2 + 5 − 3 (=, ≠) 6 − 1 − 2   16 (+, −) 8 = 8

3,664 (>, <) 3,654   14 − 6 + 5 (=, ≠) 10 + 3 − 0   9 (+, −) 6 = 15

4.10 Write the numbers in number order.

2,654   2,067   3,645   2,670   3,456   5,465

________ ________ ________ ________ ________ ________

4.11 Write a number that has ...

3 in the one's place, 7 in the hundreds' place,
2 in the thousands' place, and 9 in the tens' place. ________

8 in the hundreds' place, 2 in the ones' place,
5 in the tens' place, and 4 in the thousands' place. ________

7 in the tens' place, 0 in the hundreds' place,
3 in the ones' place, and 6 in the thousands' place. ________

1 in the ones' place, 5 in the thousands' place,
8 in the tens' place, and 4 in the hundreds' place. ________

4.12 Write in digits and operation symbols.

+ − = ≠ > < ×

Three plus five equals two plus six. ______

Thirty minus two equals twenty-eight plus two. ______

Forty-one is less than fifty-six. ______

Fifteen minus eight is not equal to six. ______

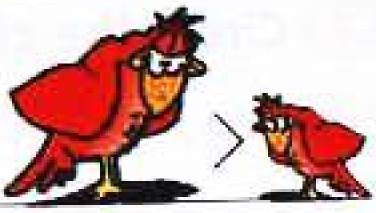
Four plus one is equal to six minus one. ______

Eighty-five is greater than sixty-five. ______

Thirty plus two is less than thirty-five. ______

Three times two is equal to six. ______

4.13 Write in words.



56 ______

705 ______

3,055 ______

$6 + 4 \neq 11$ ______

$76 > 49$ ______

4.14 Write the multiples of 2.

______, ______, ______, ______, ______, ______, ______, ______, ______, ______

4.15 Write the missing numbers.

$1 \times 2 =$ ______ $2 \times 2 =$ ______ $3 \times 2 =$ ______ $4 \times 2 =$ ______

$5 \times 2 =$ ______ $6 \times 2 =$ ______ $7 \times 2 =$ ______ $8 \times 2 =$ ______

$9 \times 2 =$ ______ $10 \times 2 =$ ______

4.16 Add.

36 27 + 52	48 52 + 30	91 58 + 63	281 432 + 329	538 306 + 221
3,264 + 2,705	3,108 + 5,468	3,295 + 4,168	5,250 + 3,684	4,735 + 2,687

4.17 Subtract.

95 − 43	☐☐ 67 − 38	526 − 302	☐☐ 873 − 269	☐☐☐ 560 − 294
☐☐ 982 − 365	☐☐ 875 − 306	☐☐☐ 743 − 295	☐☐☐ 624 − 256	☐☐☐ 720 − 386
☐☐ 632 − 481	☐☐ 936 − 572	☐☐☐ 435 − 156	5,834 − 2,601	2,746 − 1,345

Self Test 4

4.01 Write the multiples of 2.

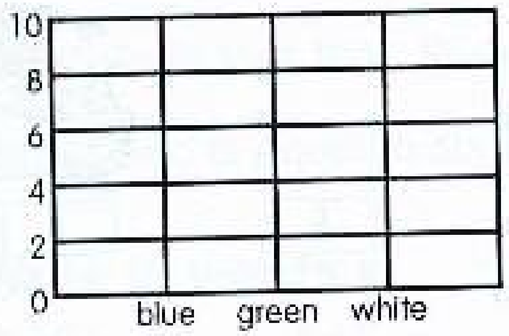
1 × 2 = ____ 2 × 2 = ____ 3 × 2 = ____ 4 × 2 = ____

5 × 2 = ____ 6 × 2 = ____ 7 × 2 = ____ 8 × 2 = ____

9 × 2 = ____ 10 × 2 = ____

4.02 Complete the line graph.

Show 5 blue cars, 3 green cars, 8 white cars. (3 points)



4.03 Draw an example of ...

a straight line.

a curved line.

a line segment with end points.

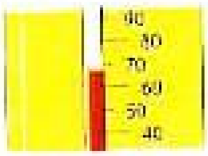
an angle.

4.04 Write in digits and operation signs.

Four plus six is not equal to eleven. ____________

Ninety-five is greater than seventy-six. ____________

4.05 Write the temperature.



____ °F

4.06 Write a number that has ...

3 in the hundreds' place, 2 in the ones' place, 5 in the tens' place, and 3 in the thousands' place.

____

4 in the tens' place, 6 in the thousands' place, 0 in the ones' place, and 8 in the hundreds' place.

____

17/22

Teacher Check ____________
Initial Date

V. Part Five

5.1 Write addition or subtraction facts.

$\frac{\_\_\_}{8}$ $\frac{\_\_\_}{8}$ $\frac{\_\_\_}{8}$ $\frac{\_\_\_}{8}$ $\frac{\_\_\_}{8}$ $\frac{\_\_\_}{8}$ $\frac{\_\_\_}{8}$ $\frac{\_\_\_}{8}$

5.2 Write the multiples of 10 from 10 to 100.

____, ____, ____, ____, ____, ____, ____, ____, ____, ____

5.3 Find the sum. The addends are 381 and 265. ____________

5.4 Write a fraction.

The denominator is 9 and the numerator is 6. Write the fraction in words. ________ ______________

5.5 Carlo had saved $5.76 to spend at the store. He bought two new cars for his collection. One car cost $2.38 and the other car cost $2.19. How much money did Carlo have left after he bought the two cars? ____________

5.6 Philip has three dozen marbles. How many marbles is that? ____________

5.7 Jamie's father is building a fence around the back yard of their house. When he is finished with the fence, he will plant grass in the yard.

Will Jamie's father build the fence on the (area or perimeter) of the back yard? ____________

Will Jamie's father plant grass on the (area or perimeter) of the back yard? ____________

5.8 Would you wear your jacket if the outside temperature were …

45° F? ____________ 82° F? ____________

5.9 Write the standard measurements for square measure.

_____ square inches = 1 square foot _____ square feet = 1 square yard

5.10 Karen and her family were traveling by car to visit her aunt. Her aunt lives 832 miles away. They planned two days for the trip. They travelled 465 miles the first day. How many miles did they need to drive the second day?

5.11 Joseph walks one mile to school. How many linear feet does he walk?

5.12 There are 15 boys standing in line. They are grouped in order by the color of their shirts. There are three colors. The order of the colors is blue, green, and red. What is the color of the shirt for the eleventh boy in line?

5.13 Add fractions.

two-sevenths and four-sevenths

three-fifths and one-fifth

five-tenths and three-tenths

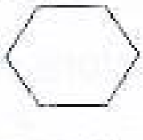
5.14 Subtract fractions.

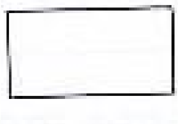
five-eighths and four-eighths

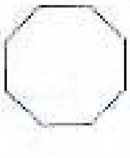
seven-ninths and five-ninths

four-sixths and three-sixths

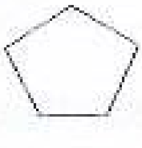
5.15 Match the plane shapes.

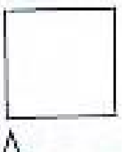






octagon
triangle
square
hexagon
rectangle
pentagon





5.16 Lisa was reading a library book. The chapter that she was reading was numbered XVIII. Write in Arabic numerals the number of the chapter that Lisa was reading. ______

5.17 Jackie had erased part of a subtraction problem. She knew the subtrahend was 547 and the difference was 156. Can you help her find the minuend? ______

5.18 Write the answers.

Even numbers end in ______, ______, ______, ______, and ______.

Odd numbers end in ______, ______, ______, ______, and ______.

Select and write the even and odd numbers.

162 37 1,263 8 9,999 426 700 354 5,441 805

Even ______, ______, ______, ______, ______.

Odd ______, ______, ______, ______, ______.

5.19 Tell the place of the underlined digits.

ones, tens, hundreds, thousands

54 ______ 673 ______

3,682 ______ 420 ______

106 ______ 9,461 ______

5.20 Jenny's family is having pizza for supper. There are six people in Jenny's family. Jenny's mother has asked her to cut the pizza into six pieces. Write a fraction describing the amount of pizza that each person in the family will receive. ______

5.21 Write in number words.

8,406 ______

5,049 ______

5.22 Write the standard measurements for time.

____ seconds = 1 minute ____ minutes = 1 hour ____ hours = 1 day

____ days = 1 month ____ months = 1 year ____ days = 1 year

MAY

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

5.23 Write the answers.

The standard time measurements that are given on a calendar include ...

____________, ____________, ____________, and ____________.

Arrange the months of the year in order. Number them 1 through 12.

____ December ____ June ____ August ____ February

____ September ____ March ____ May ____ January

____ November ____ July ____ April ____ October

Write the date for the third Tuesday of the month of May.

____________, ____________ ____________

day month date

5.24 Answer these questions. Use the calendar on page 32.

Are there more even days or odd days on the calendar? __________

What does the number pattern 2, 9, 16, 23, 30 describe? __________

Start at the fifth Thursday of the month. Count backward nine days. What is the date? __________

Melanie started reading a book on the ninth day of the month. She finished it in fifteen days. What day of the week did she finish the book? __________

It is May 22nd. Jason plans on visiting his cousin on the next Friday. What is the date he will visit his cousin? __________

Write a problem. Add the dates of all of the Fridays together.

Show your problem and your answer.

____

Write a problem. Add the date of the first Wednesday to the date of the second Tuesday. Subtract the date of the first Saturday, and add the date of the second Friday.

Show your problem and your answer.

____

Write the multiples of 2.

______, ______, ______, ______, ______, ______, ______, ______, ______, ______

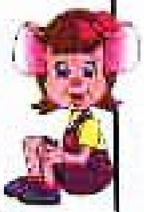
What is the day of the week for the ...

5th multiple? ________________ the 8th multiple? ________________

Start on the 23rd day of the month. Count forward six days, count backward thirteen days, count forward two days. What day of the week is it? __________

Linda has had three music lessons this month. They have been on May 3rd, May 10th, and May 17th. What date do you think she will have her next music lesson? __________

Self Test 5



5.01 **Write a fraction with a ...** (3 points)

denominator of 8 and a numerator of 6.

with a denominator of 8 and a numerator of 3.

Subtract the second fraction from the first fraction.

5.02 Jennifer had $8.41 cents to spend at the store. She spent $3.59 for drawing paper and $2.76 for a paint set. How much money does she have now? (2 points) ____________

5.03 **Answer the question.** ______ square inches = 1 square foot

5.04 **Select and write the even numbers.**

356 49 3,285 4 821 8,492 650 17 5,383 408

__________, __________, __________, __________, __________.

5.05 **Write in number words.**

9,063 ____

5.06 **Write the standard measurements for time.**

_____ seconds = 1 minute _____ minutes = 1 hour _____ hours = 1 day

_____ days = 1 month _____ months = 1 year _____ days = 1 year

5.07 **Write the standard time measurements on a calendar.**

____________, ____________, ____________, and ____________.

5.08 If the second of May is Thursday, what day would it be the fifth of May? ____________

5.09 **Describe this pattern of numbers.**

2, 4, 6, 8, 10, 12, 14, 16, 18, 20 ______________________________

19/24

Teacher Check ______________________

Initial Date

MATHEMATICS 306

Contents

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

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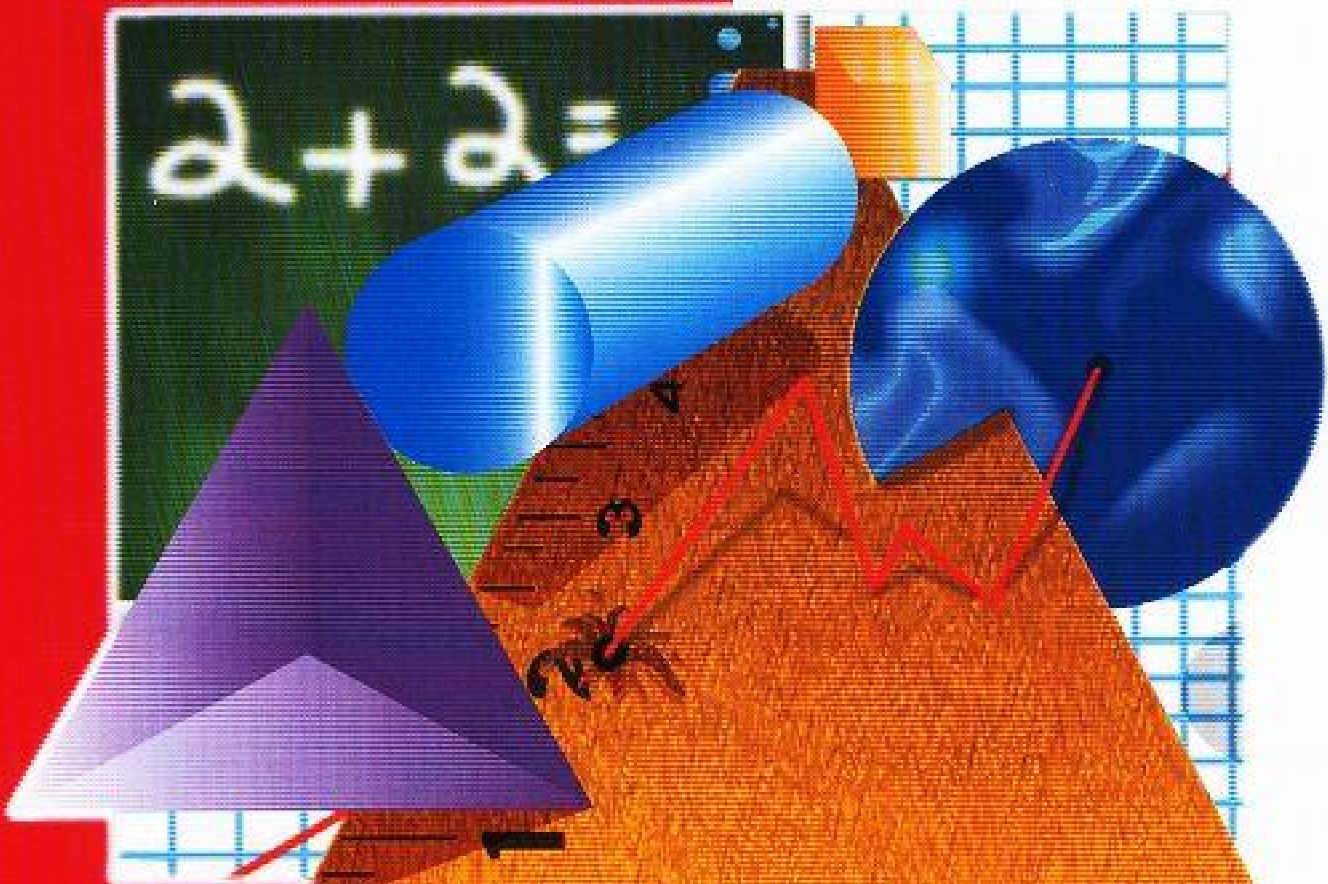
New
306
Edition

LIFEPAC
GOLD



MATH

Doc

Vicky

Revver

MATHEMATICS 306: LIFEPAC TEST

1. Add or subtract.

$\begin{array}{r} 6,275 \\ +\ 1,309 \\ \hline \end{array}$ $\begin{array}{r} 5,046 \\ +\ 2,487 \\ \hline \end{array}$ $\begin{array}{r} 3,648 \\ +\ 3,205 \\ \hline \end{array}$ $\begin{array}{r} \square\square\square \\ 635 \\ -\ 248 \\ \hline \end{array}$ $\begin{array}{r} \square\square\square \\ 924 \\ -\ 367 \\ \hline \end{array}$ $\begin{array}{r} 8,359 \\ -\ 7,136 \\ \hline \end{array}$

2. Write the multiples of 2. (2 points)

____, ____, ____, ____, ____, ____, ____, ____, ____, ____

3. Add. Write E (even) or O (odd). Write 'yes' or 'no' for pattern. (3 points each)

(yes, no) (yes, no)

45 + 31 = ____   20 + 67 = ____

____ + ____ = ____   ____   ____ + ____ = ____   ____

4. Write the standard measurements.

____ seconds = 1 minute   ____ hours = 1 day

____ inches = 1 yard   ____ days = 1 year

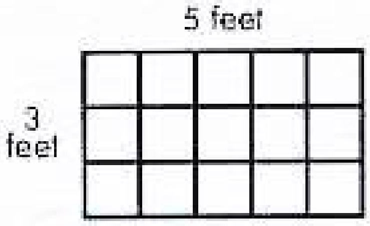
____ square inches = 1 square foot   ____ square feet = 1 square yard

5. Write the perimeter and area measurement.

Label answers correctly.

perimeter ____________________

area ____________________



6. Write the smallest and largest numbers. 6 5 0 2

smallest ______________   largest ______________

7. **Rewrite the fraction problems.** Add or subtract.

$\frac{3}{7} + \frac{2}{7} =$

$\frac{7}{9} - \frac{4}{9} =$

8. **Circle the correct operation signs.**

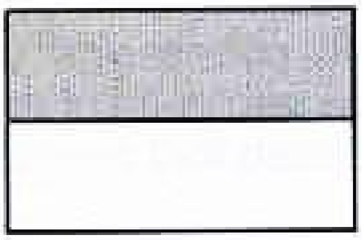
9,170 (=, ≠) 9,107

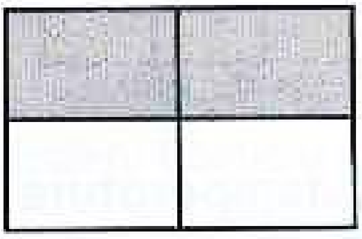
5,673 (>, <) 5,637

4 + 5 (=, ≠) 17 – 9

14 – 6 (>, <) 15 – 6

9. **Write the fraction for the shaded part.**


______


______

10. **Write the money in digits.** Add. (3 points)

______
\+ ______

11. **Write Roman numerals in Arabic numerals.** (2 points)

LXXIX = ______ = ______ = ______

12. **Round the numbers.** Add. (2 points each)

79 ______
\+ 36 ______

231 ______
\+ 495 ______

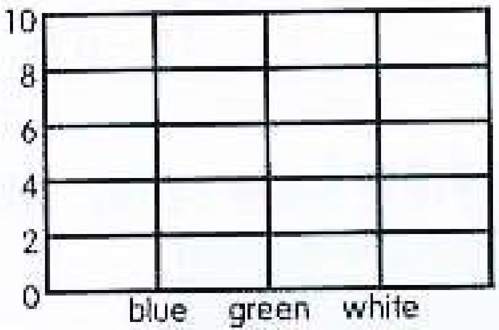
13. Write in digits and operation signs.

Five plus three is equal to sixteen minus eight. ______________

Thirty is less than forty-six. ______________

14. Complete the line graph.

Show 7 blue cars, 3 green cars, and 4 white cars. (1 point)

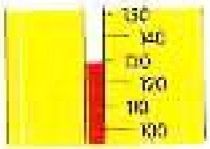


15. Draw an example of ...

a line segment with end points.

an angle.

16. Write the temperature.



________°F

17. Write in number words. 8,054

____

18. Find the answer to the problem. (2 points)

Chris had $9.34 to spend at the store. He spent $6.53 on a model airplane, and 79¢ on glue. How much money did Chris have after he paid for the airplane and the glue? ______________

MATHEMATICS

3 0 6

LIFEPAC TEST

40/50

Name ____________________

Date ____________________

Score ____________________