

1. I can add three numbers with carrying to tens' place.
2. I can change coins to money.
3. I can measure weight and volume.
4. I can learn more about fact families.
5. I can subtract with borrowing to hundreds' place.
6. I can skip count by 3's.
7. I can follow oral instructions.
8. I can learn about fractions equal to one whole.
9. I know the meanings of AM and PM, midnight and noon.

Objectives



"Thou shalt not take the name of the Lord thy God in vain; ..."

Exodus 20:7

Memory Verse



My name is



I. Part One



Fact families make it easier to learn addition and subtraction facts.

There are three numbers in each fact family.

We use the three numbers to write two addition and two subtraction facts.

1.1 Write two addition and two subtraction facts.

addition

subtraction

5, 6, 11 _____

3, 4, 7 _____

8, 9, 17 _____

6, 7, 13 _____

We use addition and subtraction facts to 'think' answers.

1.2 Think the answer. Write the answer.

$6 + 8 - 7 + 4 = \underline{\quad}$

$13 - 5 + 2 - 5 = \underline{\quad}$

$4 + 3 + 5 - 6 = \underline{\quad}$

$8 - 0 + 2 + 6 = \underline{\quad}$

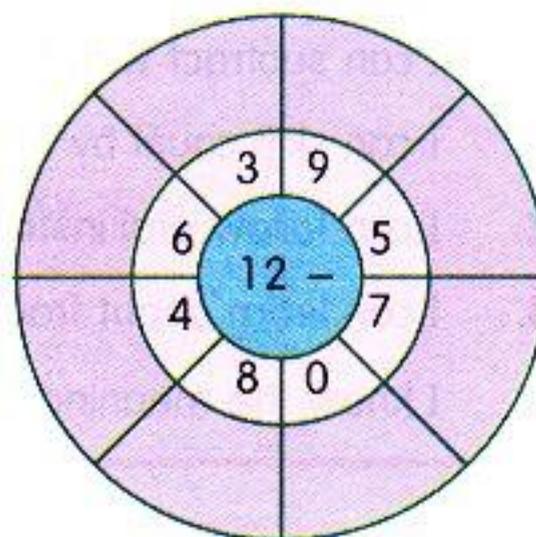
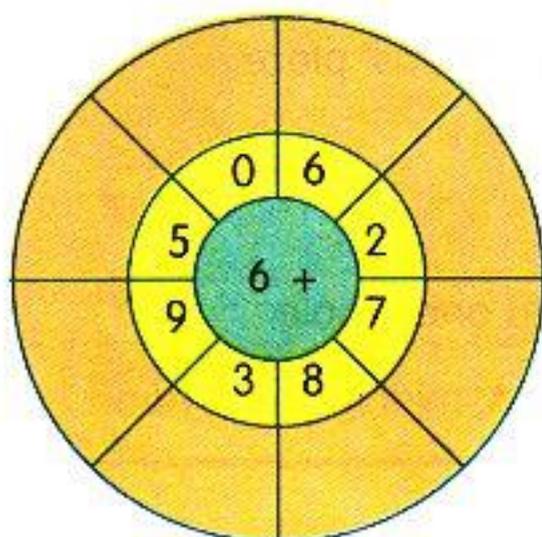
$15 - 8 - 3 + 2 = \underline{\quad}$

$5 + 4 + 8 - 9 = \underline{\quad}$

$7 + 6 - 5 - 8 = \underline{\quad}$

$18 - 9 - 5 + 2 = \underline{\quad}$

1.3 Write the answers to the facts.



Each part of an addition problem has a name. addend, addend, sum



1.4 Write the name on the line.

$$\begin{array}{r} 384 \\ + 215 \\ \hline 599 \end{array}$$

1.5 Find the sum of these addition problems.

$$\begin{array}{r} 52 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 73 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 52 \\ + 35 \\ \hline \end{array}$$

$$\begin{array}{r} 27 \\ + 41 \\ \hline \end{array}$$

$$\begin{array}{r} 84 \\ + 23 \\ \hline \end{array}$$

$$\begin{array}{r} 27 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 85 \\ + 9 \\ \hline \end{array}$$

$$\begin{array}{r} 58 \\ + 76 \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ + 58 \\ \hline \end{array}$$

$$\begin{array}{r} 63 \\ + 39 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ + 8 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ + 3 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 233 \\ + 45 \\ \hline \end{array}$$

$$\begin{array}{r} 356 \\ + 520 \\ \hline \end{array}$$

$$\begin{array}{r} 685 \\ + 112 \\ \hline \end{array}$$

$$\begin{array}{r} 227 \\ + 135 \\ \hline \end{array}$$

$$\begin{array}{r} 684 \\ + 132 \\ \hline \end{array}$$

$$\begin{array}{r} 467 \\ + 258 \\ \hline \end{array}$$

$$\begin{array}{r} 475 \\ + 376 \\ \hline \end{array}$$

$$\begin{array}{r} 288 \\ + 234 \\ \hline \end{array}$$

1.6 Answer the questions.

We say that 6 is a one-digit number.

What is the digit? _____

We say that 84 is a two-digit number.

What are the digits? _____

We can learn to add three two-digit numbers.

If we need to carry, we follow the same rules we have learned.

without carry

$$\begin{array}{r} 35 \\ 42 \\ + 61 \\ \hline 138 \end{array}$$

with carry

$$\begin{array}{r} \overset{1}{2}7 \\ 62 \\ + 36 \\ \hline 125 \end{array}$$

$$7 + 2 + 6 \text{ ones} = 15 \text{ ones}$$

$$1 \text{ ten} + 5 \text{ ones} = 15 \text{ ones}$$

Write the 5 and carry the 1 ten.

$$1 + 2 + 6 + 3 \text{ tens} = 12 \text{ tens}$$

1.7 Add.

$$\begin{array}{r} 56 \\ 32 \\ + 41 \\ \hline \end{array}$$

$$\begin{array}{r} 35 \\ 63 \\ + 20 \\ \hline \end{array}$$

$$\begin{array}{r} 56 \\ 40 \\ + 12 \\ \hline \end{array}$$

$$\begin{array}{r} 72 \\ 21 \\ + 46 \\ \hline \end{array}$$

$$\begin{array}{r} 60 \\ 25 \\ + 43 \\ \hline \end{array}$$

$$\begin{array}{r} 25 \\ 42 \\ + 64 \\ \hline \end{array}$$

$$\begin{array}{r} 39 \\ 41 \\ + 23 \\ \hline \end{array}$$

$$\begin{array}{r} 37 \\ 51 \\ + 83 \\ \hline \end{array}$$

$$\begin{array}{r} 43 \\ 72 \\ + 55 \\ \hline \end{array}$$

$$\begin{array}{r} 75 \\ 46 \\ + 28 \\ \hline \end{array}$$

$$\begin{array}{r} 83 \\ 25 \\ + 47 \\ \hline \end{array}$$

$$\begin{array}{r} 29 \\ 50 \\ + 63 \\ \hline \end{array}$$

$$\begin{array}{r} 44 \\ 23 \\ + 85 \\ \hline \end{array}$$

$$\begin{array}{r} 70 \\ 68 \\ + 29 \\ \hline \end{array}$$

$$\begin{array}{r} 53 \\ 46 \\ + 39 \\ \hline \end{array}$$

We do not always need to carry in addition problems.



1.8 Put a circle around each problem you need to carry.

Be sure to look at both ones' place and tens' place.

$\begin{array}{r} 76 \\ + 72 \\ \hline \end{array}$	$\begin{array}{r} 47 \\ + 35 \\ \hline \end{array}$	$\begin{array}{r} 625 \\ + 341 \\ \hline \end{array}$	$\begin{array}{r} 523 \\ + 184 \\ \hline \end{array}$	$\begin{array}{r} 423 \\ + 659 \\ \hline \end{array}$	$\begin{array}{r} 312 \\ + 385 \\ \hline \end{array}$	$\begin{array}{r} 35 \\ + 21 \\ \hline \end{array}$	$\begin{array}{r} 24 \\ + 63 \\ \hline \end{array}$
---	---	---	---	---	---	---	---

1.9 Add.

$$\begin{array}{r} 27 \\ + 46 \\ \hline \end{array}$$

$$\begin{array}{r} 53 \\ + 82 \\ \hline \end{array}$$

$$\begin{array}{r} 74 \\ + 51 \\ \hline \end{array}$$

$$\begin{array}{r} 57 \\ + 36 \\ \hline \end{array}$$

$$\begin{array}{r} 85 \\ + 79 \\ \hline \end{array}$$

$$\begin{array}{r} 23 \\ 62 \\ + 43 \\ \hline \end{array}$$

$$\begin{array}{r} 38 \\ 22 \\ + 61 \\ \hline \end{array}$$

$$\begin{array}{r} 65 \\ 24 \\ + 39 \\ \hline \end{array}$$

$$\begin{array}{r} 83 \\ 22 \\ + 60 \\ \hline \end{array}$$

$$\begin{array}{r} 43 \\ 51 \\ + 86 \\ \hline \end{array}$$

$$\begin{array}{r} 245 \\ + 352 \\ \hline \end{array}$$

$$\begin{array}{r} 317 \\ + 269 \\ \hline \end{array}$$

$$\begin{array}{r} 283 \\ + 591 \\ \hline \end{array}$$

$$\begin{array}{r} 183 \\ + 439 \\ \hline \end{array}$$

$$\begin{array}{r} 536 \\ + 297 \\ \hline \end{array}$$

$$\begin{array}{r} 364 \\ + 375 \\ \hline \end{array}$$

$$\begin{array}{r} 290 \\ + 580 \\ \hline \end{array}$$

$$\begin{array}{r} 625 \\ + 148 \\ \hline \end{array}$$

$$\begin{array}{r} 465 \\ + 247 \\ \hline \end{array}$$

$$\begin{array}{r} 328 \\ + 176 \\ \hline \end{array}$$

1.10 Write the number word in digits.

Circle the number in the puzzle.

six hundred three _____

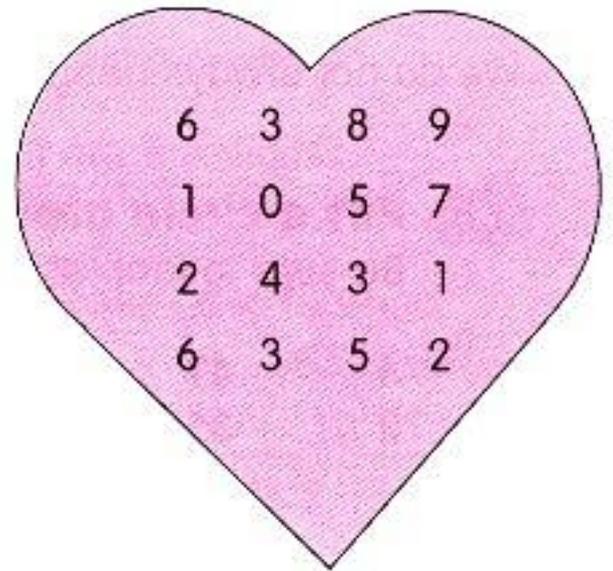
four hundred fifty-nine _____

three hundred fifty-two _____

seventy-one _____

one hundred twenty-six _____

thirty-eight _____



1.11 Add the coins. Color the banks.

50¢ blue

\$1.00 green

\$1.50 orange



Self Test 1

1.01 Write the family of facts.

7, 8, 15

1.02 Name the problem.

$$\begin{array}{r} 63 \\ + 29 \\ \hline 92 \end{array}$$

1.03 Write the number words in digits.

three hundred seventy-two _____

eight hundred nine _____

1.04 Add.

$$\begin{array}{r} 33 \\ + 56 \\ \hline \end{array}$$

$$\begin{array}{r} 74 \\ + 59 \\ \hline \end{array}$$

$$\begin{array}{r} 38 \\ + 63 \\ \hline \end{array}$$

$$\begin{array}{r} 27 \\ + 81 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ 27 \\ + 63 \\ \hline \end{array}$$

$$\begin{array}{r} 71 \\ 32 \\ + 85 \\ \hline \end{array}$$

$$\begin{array}{r} 465 \\ + 429 \\ \hline \end{array}$$

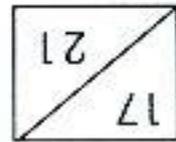
$$\begin{array}{r} 367 \\ + 518 \\ \hline \end{array}$$

$$\begin{array}{r} 356 \\ + 520 \\ \hline \end{array}$$

$$\begin{array}{r} 287 \\ + 355 \\ \hline \end{array}$$

$$\begin{array}{r} 729 \\ + 186 \\ \hline \end{array}$$

$$\begin{array}{r} 352 \\ + 365 \\ \hline \end{array}$$



Teacher Check

Initial _____

Date _____



II. Part Two

Weight tells us 'how heavy'.

The standard measurements for weight are ounces, pounds, and tons.

You will need
a scale(s) that measures ounces and pounds,
an eraser, cracker, book, box of cereal, ten pennies,
bag of flour, carton of juice or milk, and a friend.



2.1 Arrange the items from lightest to heaviest.

Decide what standard measurement you will use to measure each one.

List the item under the name of the measure, ounces or pounds.

Measure the item and write its weight.

If you chose the right measure write (Y), the wrong measure write (N).

Ounces	Weight	Y or N	Pounds	Weight	Y or N
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

16 ounces = 1 pound 2,000 pounds = 1 ton

Were any of the items that you measured equal to 1 ton? _____

2.2 Write the measurement you would use for how heavy.

(O) ounces, (P) pounds, (T) tons.

lamp	_____	pencil	_____	bag of sugar	_____
truck	_____	balloon	_____	elephant	_____
cookie	_____	ruler	_____	toothbrush	_____
clock	_____	house	_____	computer	_____

You should learn the standard measurements for weight now.

You should learn the standard measurements for volume now.

- pop can
- doll
- table
- box of cereal
- button
- soup can
- crayon
- paper bag
- salt shaker
- gallon of milk
- toy box
- piece of string

2.4 Draw a circle around things that have volume.



We use ounces to measure weight and volume. Ounces that measure volume are fluid ounces. Volume tells us how much something will hold.

_____ quarts = 1 gallon

Fill the gallon container with water.
Pour the water into the quart container.
Write how many quarts in a gallon.

_____ pints = 1 quart

Fill the quart container with water.
Pour the water into the pint container.
Write how many pints in a quart.

_____ cups = 1 pint

Fill the pint container with water.
Pour the water into the standard cup.
Write how many cups in a pint.

_____ ounces = 1 pint

Fill the pint container with water.
Pour the water into the standard measurer for ounces.
Write how many ounces in a pint.

2.3 Find standard measurements for volume.

You will need
rice, beans, dry cereal, or water, and
standard measurers for cup, pint, quart, and gallon.
The measurer for cup or pint should show ounces.

Volume tells us "how much";
The standard measurements for volume are ounces, cups, pints, quarts, gallons.

2.5 Write the fact families.

3, 8, 11 _____

4, 9, 13 _____

Fact families are made of two addition and two subtraction facts.

We can write a fact family for 3, 3, 6.



$$3 \text{ dogs} + 3 \text{ cats} = 6 \text{ animals}$$

$$6 \text{ animals} - 3 \text{ dogs} = 3 \text{ cats}$$

$$3 \text{ cats} + 3 \text{ dogs} = 6 \text{ animals}$$

$$6 \text{ animals} - 3 \text{ cats} = 3 \text{ dogs}$$

We can write a fact family for 8, 0, 8.



$$8 \text{ dogs} + 0 \text{ cats} = 8 \text{ animals}$$

$$8 \text{ animals} - 8 \text{ dogs} = 0 \text{ cats}$$

$$0 \text{ cats} + 8 \text{ dogs} = 8 \text{ animals}$$

$$8 \text{ animals} - 0 \text{ cats} = 8 \text{ dogs}$$

We can write a fact family for 15, 8, 7. The numbers may be in any order.

$$7 + 8 = 15$$

$$8 + 7 = 15$$

$$15 - 7 = 8$$

$$15 - 8 = 7$$

2.6 Write the fact families.

4, 3, 7 _____

16, 7, 9 _____

5, 5, 10 _____

7, 7, 0 _____

6, 6, 12 _____

2.7 Write a number with ...

3 in the ones' place and 8 in the tens' place. _____

7 in the tens' place, 6 in the hundreds' place,
and 0 in the ones' place. _____

2.8 Write these numbers in words.

Remember the hyphen.

Do not use the word 'and'.

49

386

76

708

12

400

90

650

2.9 Write six numbers.

Use the digits 7, 9, 3.

2.11 Write the answer.

(ones, tens, hundreds)

To write the smallest number using three digits, we write

the largest digit in the _____ place

and the smallest digit in the _____ place.

To write the largest number using three digits, we write

the largest digit in the _____ place

and the smallest digit in the _____ place.

2.12 Write the largest and smallest number.

smallest

largest

smallest

largest

2, 1, 6

7, 9, 4

5, 3, 8

8, 0, 5

3, 2, 4

9, 6, 1

We can check addition problems. First, add down. Then, add up.
 We can add down and add up in the same problem.
 We place the carry number in the problem.



$$\begin{array}{r} 862 \\ \underline{1387} \\ \underline{1475} \\ 862 \end{array}$$

add down
 $7 + 5 \text{ ones} = 12 \text{ ones}$
 Write the 2. Carry 1 ten.
 $1 + 8 + 7 \text{ tens} = 16 \text{ tens}$
 Write the 6 tens and
 carry 1 hundred.
 $1 + 3 + 4 \text{ hundreds} = 8 \text{ hundreds}$

add up
 $5 + 7 \text{ ones} = 12 \text{ ones}$
 Write the 2. Carry 1 ten.
 $1 + 7 + 8 \text{ tens} = 16 \text{ tens}$
 Write the 6 tens and
 carry 1 hundred.
 $1 + 4 + 3 \text{ hundreds} = 8 \text{ hundreds}$

2.13 Add. Check.

$$\begin{array}{r} 47 \\ + 62 \\ \hline \end{array}$$

$$\begin{array}{r} 26 \\ + 89 \\ \hline \end{array}$$

$$\begin{array}{r} 53 \\ + 28 \\ \hline \end{array}$$

$$\begin{array}{r} 67 \\ + 35 \\ \hline \end{array}$$

$$\begin{array}{r} 52 \\ + 26 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ 8 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ 9 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 27 \\ 31 \\ + 54 \\ \hline \end{array}$$

$$\begin{array}{r} 53 \\ 22 \\ + 34 \\ \hline \end{array}$$

$$\begin{array}{r} 43 \\ 28 \\ + 61 \\ \hline \end{array}$$

$$\begin{array}{r} 246 \\ + 321 \\ \hline \end{array}$$

$$\begin{array}{r} 567 \\ + 329 \\ \hline \end{array}$$

$$\begin{array}{r} 386 \\ + 473 \\ \hline \end{array}$$

$$\begin{array}{r} 465 \\ + 287 \\ \hline \end{array}$$

$$\begin{array}{r} 329 \\ + 286 \\ \hline \end{array}$$

$$\begin{array}{r} 485 \\ + 137 \\ \hline \end{array}$$

$$\begin{array}{r} 268 \\ + 552 \\ \hline \end{array}$$

$$\begin{array}{r} 106 \\ + 437 \\ \hline \end{array}$$

$$\begin{array}{r} 432 \\ + 81 \\ \hline \end{array}$$

$$\begin{array}{r} 357 \\ + 209 \\ \hline \end{array}$$

$$\begin{array}{r} 618 \\ + 231 \\ \hline \end{array}$$

$$\begin{array}{r} 586 \\ + 394 \\ \hline \end{array}$$

$$\begin{array}{r} 347 \\ + 29 \\ \hline \end{array}$$

$$\begin{array}{r} 563 \\ + 259 \\ \hline \end{array}$$

$$\begin{array}{r} 271 \\ + 518 \\ \hline \end{array}$$

$$\begin{array}{r} 705 \\ + 215 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 3 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + 2 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ + 56 \\ + 31 \\ \hline \end{array}$$

$$\begin{array}{r} 47 \\ + 63 \\ + 25 \\ \hline \end{array}$$

$$\begin{array}{r} 38 \\ + 43 \\ + 72 \\ \hline \end{array}$$

$$\begin{array}{r} 32 \\ + 59 \\ \hline \end{array}$$

$$\begin{array}{r} 63 \\ + 27 \\ \hline \end{array}$$

$$\begin{array}{r} 75 \\ + 35 \\ \hline \end{array}$$

$$\begin{array}{r} 69 \\ + 24 \\ \hline \end{array}$$

$$\begin{array}{r} 34 \\ + 61 \\ \hline \end{array}$$

2.14 Add. Check.



Keep trying!!

Self Test 2

cup ounce pound quart gallon ton



2.01 Write the standard measurement that you would use to measure the ...

weight of a bag of apples. _____ pitcher of milk. _____

water to fill a swimming pool. _____ box of cereal. _____

2.02 Write the standard measurements.

_____ ounces = 1 pound

_____ pounds = 1 ton

_____ ounces = 1 pint

_____ cups = 1 pint

_____ pints = 1 quart

_____ quarts = 1 gallon

2.03 Write the fact families. (12 points)

12, 4, 8 _____

7, 7, 14 _____

9, 0, 9 _____

2.04 Write the smallest and largest number.

5, 6, 3 smallest _____ largest _____

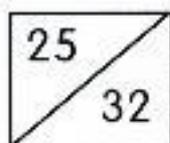
2.05 Add. Check. (2 points each)

$$\begin{array}{r} \underline{263} \\ + 481 \\ \hline \end{array}$$

$$\begin{array}{r} \underline{517} \\ + 356 \\ \hline \end{array}$$

$$\begin{array}{r} \underline{465} \\ + 478 \\ \hline \end{array}$$

$$\begin{array}{r} \underline{23} \\ 65 \\ + 34 \\ \hline \end{array}$$



Teacher Check _____

Initial

Date



III. Part Three

Each part of a subtraction problem has a name.

minuend, subtrahend, difference

3.1 Write the name on the line.



$$\begin{array}{r}
 869 \\
 - 452 \\
 \hline
 417 \\
 \hline
 \end{array}$$

We may need to borrow from tens' place before we subtract.

$$\begin{array}{r}
 752 \\
 - 628 \\
 \hline
 124
 \end{array}$$

The tens' place (5) and ones' place (2) are boxed in red.

Borrow 1 ten (10 ones).
Add 10 ones to 2 ones.

Subtract.

Cross out the 5 and write 4 above it.
 $10 + 2 = 12$
 $12 - 8 = 4$
 $4 - 2 = 2$
 $7 - 6 = 1$

3.2 Subtract.

$\begin{array}{r} 374 \\ - 136 \\ \hline \end{array}$	$\begin{array}{r} 870 \\ - 46 \\ \hline \end{array}$	$\begin{array}{r} 584 \\ - 76 \\ \hline \end{array}$	$\begin{array}{r} 263 \\ - 27 \\ \hline \end{array}$	$\begin{array}{r} 26 \\ - 18 \\ \hline \end{array}$
$\begin{array}{r} 47 \\ - 19 \\ \hline \end{array}$	$\begin{array}{r} 81 \\ - 39 \\ \hline \end{array}$	$\begin{array}{r} 52 \\ - 23 \\ \hline \end{array}$	$\begin{array}{r} 64 \\ - 27 \\ \hline \end{array}$	$\begin{array}{r} 43 \\ - 26 \\ \hline \end{array}$
$\begin{array}{r} 50 \\ - 26 \\ \hline \end{array}$	$\begin{array}{r} 95 \\ - 58 \\ \hline \end{array}$	$\begin{array}{r} 86 \\ - 37 \\ \hline \end{array}$	$\begin{array}{r} 72 \\ - 49 \\ \hline \end{array}$	$\begin{array}{r} 72 \\ - 49 \\ \hline \end{array}$

We may need to borrow from hundreds' place.
 We complete all of the borrowing before we subtract.



8	13	
9 38		Borrow 1 hundred (10 tens). Cross out the 9 and write 8 above it.
- 452		Add 10 tens to 3 tens. $10 + 3 = 13$
486		Subtract. $8 - 2 = 6$ $13 - 5 = 8$ $8 - 4 = 4$

3.3 Subtract. Borrow from the hundreds' place.

873	
- 292	

936	
- 285	

752	
- 470	

420	
- 280	

624	
- 352	

227	
- 146	

856	
- 392	

718	
- 256	

481	
- 190	

463	
- 271	

985	
- 494	

861	
- 581	

657	
- 275	

819	
- 623	

525	
- 361	

436	
- 254	

$105 > 111$

$99 - 10 \neq 88 + 10$

$18 - 9 = 2 + 7$

$6 + 3 > 12 - 4$

3.5 Write in words.

Christie had 12 rocks in her rock collection. She gave 5 rocks to Carol. How many rocks does Christie have now?



It takes Bob 15 minutes to walk to school. It takes John 20 minutes. Compare the time it takes Bob and John to walk to school.

Mary ate 3 cookies on Monday and 4 cookies on Tuesday. Aaron ate 4 cookies on Monday and 2 cookies on Tuesday. Show that the number of cookies that Mary ate is not equal to the number of cookies that Aaron ate.

Terry has earned \$2.25. Joe has earned \$2.48. Compare the money they earned. Use greater than or less than.

Larry has 3 brothers and 2 sisters. How many brothers and sisters does Larry have altogether?



Compare the pages they read. Use greater than or less than.

Jessie read 73 pages in her book and Betty read 68.

Think the answer in words. Write the answer in digits and symbols.

3.4 Read each problem.

Eighty-five is greater than seventy-six. Five plus nine is equal to fourteen.

$5 + 9 = 14$

$85 > 76$

Number sentences can be written in digits and operation symbols.

plus + minus - equal = not equal ≠
greater than > less than <

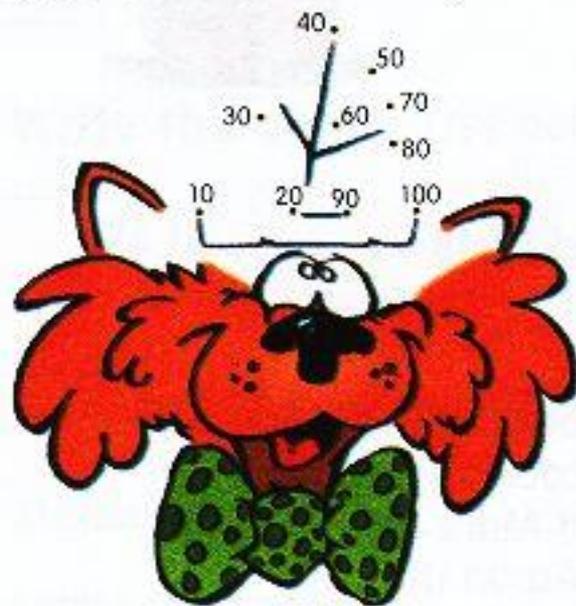


3.6 Write the missing numbers.

- Count by 2's. 2, 4, _____, 8, 10, _____, _____, 16, _____, 20
- Count by 3's. 3, 6, _____, 12, _____, 18, _____, _____, 27, 30
- Count by 5's. 5, _____, 15, 20, _____, 30, _____, 40, _____, 50
- Count by 10's. 10, 20, _____, 40, _____, _____, 70, _____, 90, 100

3.7 Connect the points in the drawings.

Write on the line how you are counting. Finish coloring the pictures.



Count by _____.



Count by _____.



Count by _____.



Count by _____.

We can check subtraction problems. Add the subtrahend to the difference.

The answer is the same as the minuend.

Suppose you have 8 pennies in your hand.

Put 3 pennies on the table.

Now you have 5 pennies in your hand.

Pick up the 3 pennies, add to the 5 pennies in your hand.

You are back to 8 pennies.

Subtract 248 from 376. Borrow from tens.

To check, add 248 to 128. Carry the tens.

$$376 = 376$$

$$\begin{array}{r} 376 \\ - 248 \\ \hline 128 \\ + 248 \\ \hline 376 \end{array}$$

6 16

$$\begin{array}{r} 8 \\ - 3 \\ \hline 5 \\ + 8 \\ \hline 8 \end{array}$$

3.8 Subtract. Check.

$$\begin{array}{r} 56 \\ - 32 \\ \hline \end{array}$$

$$\begin{array}{r} 85 \\ - 41 \\ \hline \end{array}$$

$$\begin{array}{r} 73 \\ - 24 \\ \hline \end{array}$$

$$\begin{array}{r} 51 \\ - 37 \\ \hline \end{array}$$

$$\begin{array}{r} 643 \\ - 29 \\ \hline \end{array}$$

$$\begin{array}{r} 561 \\ - 47 \\ \hline \end{array}$$

$$\begin{array}{r} 982 \\ - 723 \\ \hline \end{array}$$

$$\begin{array}{r} 265 \\ - 127 \\ \hline \end{array}$$

$$\begin{array}{r} 736 \\ - 472 \\ \hline \end{array}$$

$$\begin{array}{r} 536 \\ - 294 \\ \hline \end{array}$$

$$\begin{array}{r} 839 \\ - 255 \\ \hline \end{array}$$

$$\begin{array}{r} 657 \\ - 372 \\ \hline \end{array}$$



3.9 Listen and write.

You will need
a ruler.







:

Self Test 3

3.01 Subtract. Borrow tens. Check. (2 points each)

$$\begin{array}{r} \square \square \\ - 47 \\ \hline 63 \end{array}$$

$$\begin{array}{r} \square \square \\ - 26 \\ \hline 84 \end{array}$$

$$\begin{array}{r} \square \square \\ - 154 \\ \hline 372 \end{array}$$

$$\begin{array}{r} \square \square \\ - 249 \\ \hline 973 \end{array}$$

3.02 Subtract. Borrow hundreds. Check. (2 points each)

$$\begin{array}{r} \square \square \\ - 271 \\ \hline 653 \end{array}$$

$$\begin{array}{r} \square \square \\ - 361 \\ \hline 725 \end{array}$$

$$\begin{array}{r} \square \square \\ - 560 \\ \hline 832 \end{array}$$

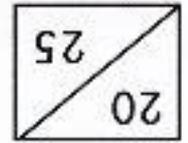
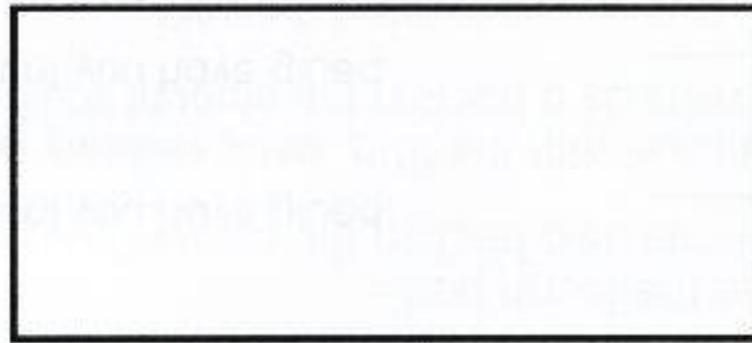
$$\begin{array}{r} \square \square \\ - 367 \\ \hline 939 \end{array}$$

3.03 Write sentences. Use digits and operation symbols. (2 points each)

Jack walked 6 blocks to school.
John walked 4 blocks to school.
Compare the number of blocks that they walked.

Lisa practiced piano 15 minutes on Monday
and 14 minutes on Tuesday. Betty practiced
20 minutes on Monday and 15 minutes on
Tuesday. Show that the time Lisa practiced is
not equal to the time that Betty practiced.

3.04 Listen and write.



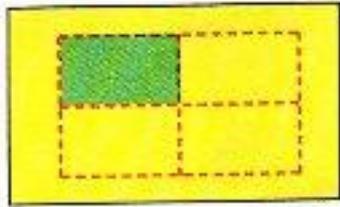
Teacher Check

Initial _____

Date _____



IV. Part Four



You will need
construction paper - one piece for cutting and
one piece for gluing, ruler, scissors, glue.



Draw a rectangle on construction paper and cut it out. Place it on another piece of paper and draw around it. Divide and cut the rectangle you cut out into four parts of equal size using pencil, ruler, and scissors.

4.1 Answer the questions.

The rectangle is divided into _____ parts.

The number of parts is the denominator of the fraction.

Write the denominator below the fraction bar.

_____ fraction
bar

Pick up one part. The number of parts we are talking about is the numerator of the fraction.

Write the numerator above the fraction bar.

Write the fraction in words. _____

Write the fraction on the part of the rectangle that you have picked up.

Look at the other parts. Are all of the parts the same? _____

Write the fraction on each part of the rectangle.

Glue one part of the rectangle on the construction paper inside the pencil drawing.

How much of the rectangle did you glue on the paper? _____

Glue another part next to the first part.

How much of the rectangle is glued on the paper? _____

Glue the third part.

Write as a fraction the amount you have glued. _____

Glue the fourth part.

Write as a fraction the amount you have glued. _____

Have you completed the rectangle? _____



$\frac{4}{4}$ of a rectangle = 1 rectangle

When the numerator and denominator are the same, the fraction equals one whole.



$\frac{8}{8}$ of a set of balls = 1 set

Have you completed the set?

Continue with the fifth, sixth, seventh, and eighth parts.
Write as a fraction the amount you have glued.

Glue the fourth part.
Write as a fraction the amount you have glued.

Glue the third part.
Write as a fraction the amount you have glued.

Glue another part of the set next to the first part.
How much of the set is glued on the paper?

Draw a large circle on the construction paper.
Glue one part of the set of balls in the circle.
How much of the set did you glue on the paper?

Look at the other parts. Are all of the parts the same?
Write the fraction on each part of the set.

Write the fraction on the part of the set that you have picked up.

Write the fraction in words.

Pick up one part (ball). The number of parts we are talking about is the numerator of the fraction.
Write the numerator above the fraction bar.

The number of parts is the denominator of the fraction.
Write the denominator below the fraction bar.

The set of balls may be divided into _____ parts (balls).

4.2 Answer the questions. Use the set of eight balls.



Draw eight balls on a piece of construction paper. They may be different sizes. You may color them, put dots or lines on them. Then cut them out.

fraction
bar

4.3 Add.

$$\begin{array}{r} 36 \\ + 9 \\ \hline \end{array}$$

$$\begin{array}{r} 85 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 76 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} 90 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 52 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} 27 \\ + 63 \\ \hline \end{array}$$

$$\begin{array}{r} 48 \\ + 51 \\ \hline \end{array}$$

$$\begin{array}{r} 75 \\ + 83 \\ \hline \end{array}$$

$$\begin{array}{r} 97 \\ + 36 \\ \hline \end{array}$$

$$\begin{array}{r} 88 \\ + 50 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ 9 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ 5 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ 8 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ 0 \\ + 9 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ 6 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 37 \\ 52 \\ + 45 \\ \hline \end{array}$$

$$\begin{array}{r} 73 \\ 20 \\ + 56 \\ \hline \end{array}$$

$$\begin{array}{r} 86 \\ 29 \\ + 31 \\ \hline \end{array}$$

$$\begin{array}{r} 43 \\ 62 \\ + 85 \\ \hline \end{array}$$

$$\begin{array}{r} 19 \\ 65 \\ + 47 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ 35 \\ + 18 \\ \hline \end{array}$$

$$\begin{array}{r} 56 \\ 13 \\ + 14 \\ \hline \end{array}$$

$$\begin{array}{r} 64 \\ 10 \\ + 20 \\ \hline \end{array}$$

$$\begin{array}{r} 52 \\ 27 \\ + 17 \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ 26 \\ + 34 \\ \hline \end{array}$$

$$5 \text{ coins} = 62¢$$

$$5 \text{ coins} = 32¢$$

$$5 \text{ coins} = 41¢$$

$$5 \text{ coins} = 17¢$$

4.4 Name the coins.

quarters dimes nickels pennies



$$\begin{array}{r} + 365 \\ 615 \end{array}$$

$$\begin{array}{r} + 426 \\ 285 \end{array}$$

$$\begin{array}{r} + 239 \\ 745 \end{array}$$

$$\begin{array}{r} + 281 \\ 637 \end{array}$$

$$\begin{array}{r} + 221 \\ 354 \end{array}$$

$$\begin{array}{r} + 450 \\ 189 \end{array}$$

$$\begin{array}{r} + 378 \\ 574 \end{array}$$

$$\begin{array}{r} + 465 \\ 293 \end{array}$$

$$\begin{array}{r} + 140 \\ 367 \end{array}$$

$$\begin{array}{r} + 328 \\ 356 \end{array}$$

$$\begin{array}{r} + 197 \\ 683 \end{array}$$

$$\begin{array}{r} + 579 \\ 223 \end{array}$$

$$\begin{array}{r} + 318 \\ 538 \end{array}$$

$$\begin{array}{r} + 156 \\ 823 \end{array}$$

$$\begin{array}{r} + 431 \\ 157 \end{array}$$

$$\begin{array}{r} + 447 \\ 256 \end{array}$$

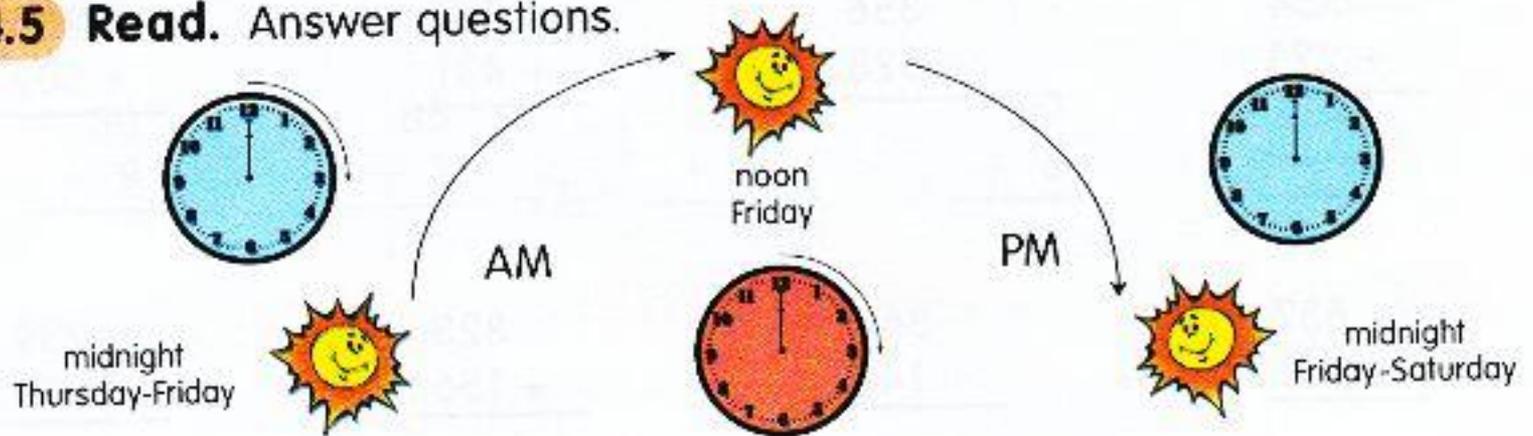
$$\begin{array}{r} + 261 \\ 736 \end{array}$$

$$\begin{array}{r} + 273 \\ 684 \end{array}$$

$$\begin{array}{r} + 230 \\ 739 \end{array}$$

$$\begin{array}{r} + 509 \\ 286 \end{array}$$

4.5 Read. Answer questions.



There are 12 hours on the clock. There are 24 hours in a day.

The hour hand must go around the clock _____ times each day.

We often see the clock at 12:00 noon.

Why don't we see the clock at 12:00 midnight? _____

When we say 'day', we may mean Sunday, Monday, and so on.

What is the day today on your calendar? _____

Sometimes when we say 'day', we mean the time that it is light outside.

What hours will it be light today? from ___ : ___ o'clock to ___ : ___ o'clock

When we say the time, it is not enough to say 6:00 o'clock. We should say AM or PM. This will tell if we mean the time before noon or after noon.

The chart shows that the day changes at midnight.

What complete day is shown on the chart? _____

What is the day before? _____ What is the day after? _____

Janie had a busy day.

Write the time of day she may have done these activities.

Write AM or PM.

ate her breakfast _____ : _____

walked her dog _____ : _____

finished her math _____ : _____

worked in her garden _____ : _____

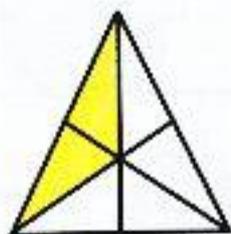
played on the swing set _____ : _____

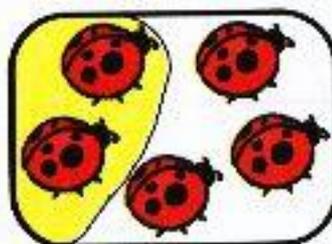
went to bed _____ : _____



Self Test 4

4.01 Write the fraction that represents the shaded part.







4.02 Write the fraction that describes...

the whole triangle. _____

the whole set of bugs. _____

4.03 Write the answer.

What time of day does it change from Monday to Tuesday? _____

If the clock starts at midnight, what time is it after 12 hours? _____

Beth usually eats breakfast at 7:00 _____. (AM or PM)

4.04 Write the place of the underlined digit. Write the value.

352 _____ 84 _____

7 _____ 690 _____

4.05 Add.

$$\begin{array}{r} 6 \\ 3 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ 25 \\ + 32 \\ \hline \end{array}$$

$$\begin{array}{r} 29 \\ 76 \\ + 32 \\ \hline \end{array}$$

$$\begin{array}{r} 432 \\ + 526 \\ \hline \end{array}$$

$$\begin{array}{r} 389 \\ + 213 \\ \hline \end{array}$$

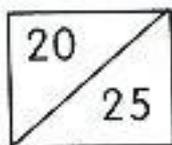
$$\begin{array}{r} 483 \\ + 251 \\ \hline \end{array}$$

$$\begin{array}{r} 663 \\ + 259 \\ \hline \end{array}$$

$$\begin{array}{r} 557 \\ + 432 \\ \hline \end{array}$$

$$\begin{array}{r} 267 \\ + 385 \\ \hline \end{array}$$

$$\begin{array}{r} 459 \\ + 274 \\ \hline \end{array}$$



Teacher Check _____

Initial _____

Date _____



V. Part Five



5.1 Check the addition problems.
Circle the answers that are not correct.

$$\begin{array}{r} 23 \\ + 48 \\ \hline 81 \end{array}$$

$$\begin{array}{r} 326 \\ + 325 \\ \hline 751 \end{array}$$

$$\begin{array}{r} 571 \\ + 259 \\ \hline 831 \end{array}$$

$$\begin{array}{r} 318 \\ + 423 \\ \hline 741 \end{array}$$

$$\begin{array}{r} 851 \\ + 109 \\ \hline 950 \end{array}$$

$$\begin{array}{r} 310 \\ + 254 \\ \hline 564 \end{array}$$

$$\begin{array}{r} 327 \\ + 389 \\ \hline 716 \end{array}$$

$$\begin{array}{r} 412 \\ + 291 \\ \hline 603 \end{array}$$

The minuends are missing in these subtraction problems.
Finish the subtraction problem by checking it.

5.2 Write the minuend in the problem.

$$\begin{array}{r} - 16 \\ + 32 \\ \hline \end{array}$$

$$\begin{array}{r} - 102 \\ + 191 \\ \hline \end{array}$$

$$\begin{array}{r} - 521 \\ + 342 \\ \hline \end{array}$$

$$\begin{array}{r} - 136 \\ + 656 \\ \hline \end{array}$$

$$\begin{array}{r} - 236 \\ + 358 \\ \hline \end{array}$$

$$\begin{array}{r} - 203 \\ + 488 \\ \hline \end{array}$$

$$\begin{array}{r} - 63 \\ + 34 \\ \hline \end{array}$$

$$\begin{array}{r} - 274 \\ + 583 \\ \hline \end{array}$$

5.3 Write the fact families.

6, 3, 9

4, 4, 8

0, 5, 5

- 5.4** Ericka's family is going to host a student from France. The student, Josette, will arrive August first and stay through November. How many months will Josette stay with Ericka's family? _____

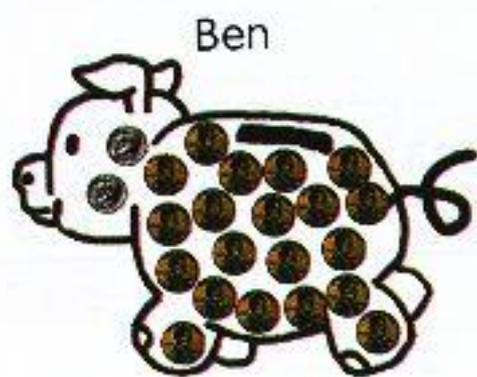


How many days? _____

Josette will attend school Monday through Friday. She will take regular classes on Monday, Wednesday, and Friday. The other days she will be studying English. What days will Josette be studying English? _____

Josette wants to spend Saturday and Sunday learning more about Ericka's family. How many hours are there altogether on Saturday and Sunday? _____ hours

- 5.5** Ben, Jeff, and Mark each had a bank with some money. They wanted an easy way to find out who had the most money. They put their banks on a scale to weigh them. Ben said he had the most money because his bank was the heaviest. Jeff's bank was the second heaviest, and Mark's bank was the lightest. Count the money in each bank. Write the amount on the line.



Who had the most money? _____ Who had the least money? _____

Is it better to weigh money or count money? _____

- 5.6 Write these cents.** Use dollar signs and decimal points. Remember to use the zero place holder. Follow the example.

6¢ is \$.06

507¢ is \$5.07

54¢ is _____

60¢ is _____

192¢ is _____

307¢ is _____

5¢ is _____

42¢ is _____

5.7 Write the money. Use dollar signs and decimal points.

five dollars and fifteen cents _____

thirteen dollars and seventy cents _____

four dollars and two cents _____

six dollars and three cents _____

5.8 Draw lines. Connect the end points. Measure each line.

Write the measurement on each line. Write the name of the shape.

A

B

A

A

B

D

C

C

B

D

C

5.9

Candi was helping her baby brother put a puzzle together. The puzzle was divided into eight pieces. The pieces were in different rooms of the house. Candi found one-eighth of the puzzle in the living room, three-eighths in the bedroom, one-eighth in the play room, and two-eighths in the basement. Circle the pieces of the puzzle that Candi found.



Write as a fraction ...

the amount Candi found. _____ did not find.

the amount she would need to find _____

for the whole puzzle. _____

5.10 Write number sentences. Use these symbols. $+$, $-$, $=$, $<$, $>$



Ken and Roger each had paper routes.

Ken delivered 146 papers and Roger delivered 122 papers. How many papers did they deliver altogether?

Compare the number of papers that Ken and Roger delivered.



Jennifer's mother made a salad using 5 oranges, 3 apples, 2 bananas, and 18 marshmallows. How much fruit did her mother use in the salad?

Compare the amount of fruit to the amount of marshmallows.



Kaylin and Jason were swimming. Kaylin swam 5 laps and Jason swam 7 laps. How many more laps did Jason swim than Kaylin?

Compare the number of laps that Kaylin and Jason swam.

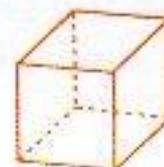
5.11 Match.



square



circle



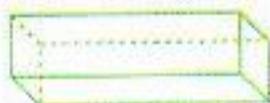
rectangular solid



cone



oval



cylinder

cube

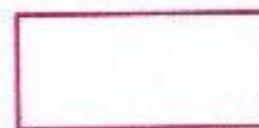


rectangle

triangle



pyramid



$$\begin{array}{r} \\ - 254 \\ 637 \\ \hline \square \square \end{array}$$

$$\begin{array}{r} \\ - 329 \\ 752 \\ \hline \square \square \end{array}$$

$$\begin{array}{r} \\ - 62 \\ 143 \\ \hline \square \square \end{array}$$

$$\begin{array}{r} \\ - 376 \\ 438 \\ \hline \square \square \end{array}$$

$$\begin{array}{r} \\ - 586 \\ 739 \\ \hline \square \square \end{array}$$

$$\begin{array}{r} \\ - 378 \\ 494 \\ \hline \square \square \end{array}$$

$$\begin{array}{r} \\ - 82 \\ 126 \\ \hline \square \square \end{array}$$

$$\begin{array}{r} \\ - 495 \\ 762 \\ \hline \square \square \end{array}$$

$$\begin{array}{r} \\ - 239 \\ 354 \\ \hline \square \square \end{array}$$

$$\begin{array}{r} \\ - 362 \\ 647 \\ \hline \square \square \end{array}$$

$$\begin{array}{r} \\ - 338 \\ 946 \\ \hline \square \square \end{array}$$

$$\begin{array}{r} \\ - 386 \\ 879 \\ \hline \square \square \end{array}$$

$$\begin{array}{r} \\ - 27 \\ 43 \\ \hline \square \square \end{array}$$

$$\begin{array}{r} \\ - 39 \\ 65 \\ \hline \square \square \end{array}$$

$$\begin{array}{r} \\ - 59 \\ 76 \\ \hline \square \square \end{array}$$

$$\begin{array}{r} \\ - 27 \\ 52 \\ \hline \square \square \end{array}$$

$$\begin{array}{r} \\ - 36 \\ 85 \\ \hline \square \square \end{array}$$

$$\begin{array}{r} \\ - 7 \\ 18 \\ \hline \end{array}$$

$$\begin{array}{r} \\ - 33 \\ 86 \\ \hline \end{array}$$

$$\begin{array}{r} \\ - 12 \\ 13 \\ \hline \end{array}$$

$$\begin{array}{r} \\ - 3 \\ 15 \\ \hline \end{array}$$

$$\begin{array}{r} \\ - 62 \\ 83 \\ \hline \end{array}$$

5.13 Subtract.

_____ days = 1 week _____ or _____ days = 1 month _____ days = 1 year

_____ minutes = 1 hour _____ hours = 1 day

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

5.12 Write the standard measurements.

Self Test 5



5.01 Write the fact families. (2 points each)

10, 8, 2 _____

0, 4, 4 _____

5.02 Write the cents. Use dollar signs and decimal points.

74¢ is _____.

309¢ is _____.

5.03 Add or subtract.

$$\begin{array}{r} 26 \\ 32 \\ + 54 \\ \hline \end{array}$$

$$\begin{array}{r} 229 \\ + 563 \\ \hline \end{array}$$

$$\begin{array}{r} 287 \\ + 469 \\ \hline \end{array}$$

$$\begin{array}{r} \square \square \\ 64 \\ - 57 \\ \hline \end{array}$$

$$\begin{array}{r} \square \square \\ 432 \\ - 129 \\ \hline \end{array}$$

$$\begin{array}{r} \square \square \\ 527 \\ - 365 \\ \hline \end{array}$$

5.04 Write number sentences.

Erin and Jenny were playing on the swing set. Erin counted as she swung back and forth. She counted to 34. Jenny was counting also. Jenny counted to 29. How many swings did Jenny and Erin have altogether? _____

Compare the number of swings that Erin counted to the number of swings that Jenny counted. _____

5.05 Look at the set of fruit. Write a fraction for the ...



oranges. _____

apples. _____

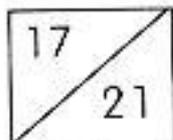
whole set. _____

5.06 Connect the end points.

Measure each line.

Write the measurement.

Name the shape. (4 points)



Teacher Check _____

Initial

Date



My Name



300 North McKerny Avenue, Chandler, Arizona 85226-2618
Copyright © MCMXXCVIII, All rights reserved



Alpha Omega Publications

Author:

Editor:

Graphic Design:

Carol Bauler, B.A.

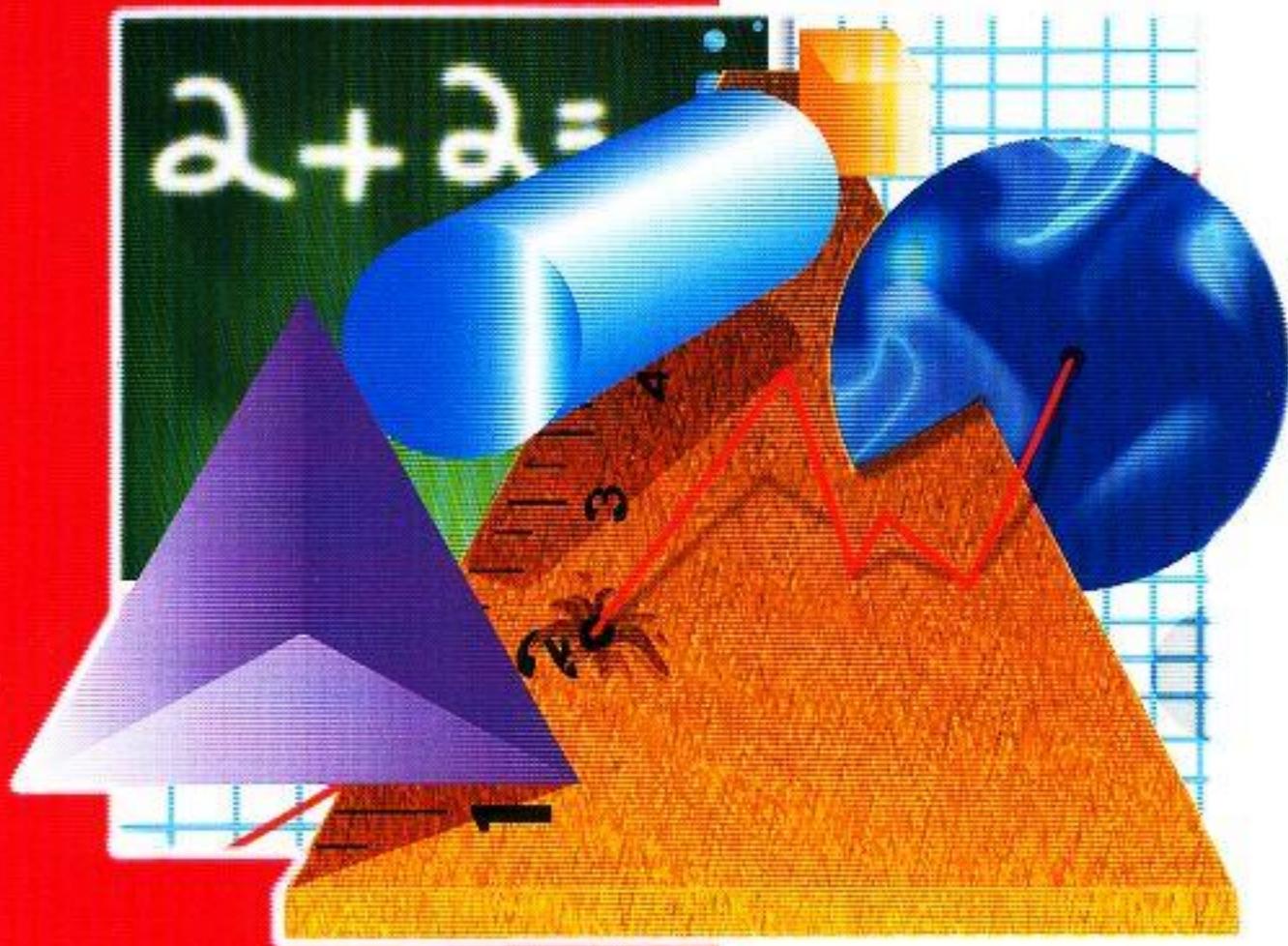
Alan Christopherson, M.S.

JoAnn Cumming, A.A.

Contents

I. Addition and Subtraction Facts, Add with carrying, Money	2
II. Measurements, Fact Families, Place Value, Check Addition	8
III. Subtract with borrowing, Check Problems, Number Sentences, Oral Instruction	15
IV. Fractions, Addition, Time, Place Value	22
V. Review, Story Problems	29

New
303
Edition



M A T H



Meet the
Bridgestone Characters.
There's Doc and Revver,
And Vicki, too.

They'll guide
you through the LIFEPAcs,
And keep the scores
for you.



Doc



Revver



Vicky

MATHEMATICS 303 : LIFE PAC TEST

1. Write the fact families. (4 points)

12, 6, 6 _____

5, 0, 5 _____

2. Name the problem. (6 points)

difference addend minuend sum subtrahend

27 _____

85 _____

$\begin{array}{r} + 63 \\ \hline \end{array}$ _____

$\begin{array}{r} - 47 \\ \hline \end{array}$ _____

90 _____

38 _____

3. Write the number words in digits.

five hundred three _____

4. Add and subtract.

$$\begin{array}{r} 95 \\ + 68 \\ \hline \end{array}$$

$$\begin{array}{r} 587 \\ + 249 \\ \hline \end{array}$$

$$\begin{array}{r} 360 \\ + 390 \\ \hline \end{array}$$

$$\begin{array}{r} \boxed{}\boxed{} \\ 74 \\ - 27 \\ \hline \end{array}$$

$$\begin{array}{r} \boxed{}\boxed{} \\ 832 \\ - 426 \\ \hline \end{array}$$

$$\begin{array}{r} \boxed{}\boxed{} \\ 948 \\ - 365 \\ \hline \end{array}$$

5. Write the standard measurements.

_____ ounces = 1 pound

_____ pounds = 1 ton

_____ ounces = 1 pint

_____ cups = 1 pint

_____ pints = 1 quart

_____ quarts = 1 gallon

6. Write the standard measurement that you would use to measure ...

a bucket of sand. _____

the time from the July 4th to Thanksgiving. _____

7. Write the smallest and largest number.

9, 4, 2

smallest _____

largest _____

8. Add and subtract. Check. (4 points)

$$\begin{array}{r} 384 \\ + 271 \\ \hline \end{array}$$

$$\begin{array}{r} 437 \\ + 195 \\ \hline \end{array}$$

$$\begin{array}{r} \\ - 34 \\ \hline \end{array}$$

$$\begin{array}{r} \\ - 238 \\ \hline \end{array}$$

9. Write sentences. Use digits and operation symbols. (2 points each)

Jordan has five people in his family. Emily has seven people in her family. Compare the number of people in Jordan's family to the number of people in Emily's family.

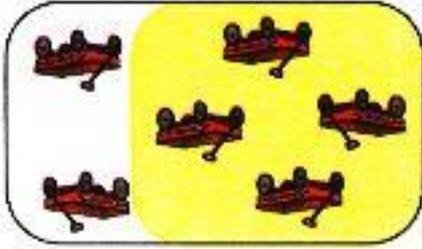
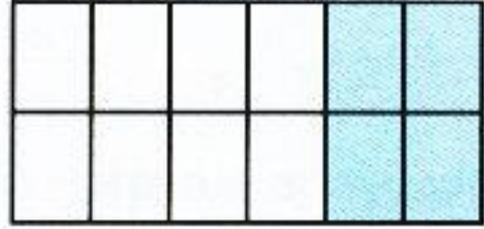
Alex completed 2 math pages on Monday and 3 on Tuesday. Karen completed 2 pages on Monday and 4 on Tuesday. Show that the number of pages Alex read is not equal to the number of pages that Karen read?

10. Write the fractions in digits.

four-sevenths _____

three-fifths _____

11. Write the fraction that represents the shaded part.



12. Write the fraction that describes...

the whole rectangle. _____ the whole set of toys. _____

13. Write the answer.

What time of day does it change from Sunday to Monday? _____

The clock shows noon. What will be the time after 12 hours? _____

Mark usually eats supper at 6:00 _____. (AM, PM)

14. Write the place of the underlined digit. Write the value.

763 _____

15. Write the cents. Use dollar signs and decimal points..

57¢ is _____. 365¢ is _____.

16. Connect the end points. (2 points)

A • •B

Measure line AB. _____

Name the shape. _____

D • •C

Name

Date

Score

40 / 50

LIFEPAC TEST

3 0 3

MATHEMATICS