

1. I know fact families.
2. I can recognize patterns.
3. I can add with carrying to hundreds' place.
4. I can skip-count by 2's, 5's, and 10's.
5. I know even and odd numbers.
6. I can read and write fractions.
7. I can learn the names of fractions.
8. I can subtract with borrowing to tens' place.
9. I can recognize flat and solid shapes.
10. I can learn about lines and end points.
11. I know pennies, nickels, dimes, quarters, and dollars.
12. I can check addition and subtraction problems.

Objectives



"Thou shalt not make unto thee any graven image, ..."

Exodus 20:4

Memory Verse



My name is

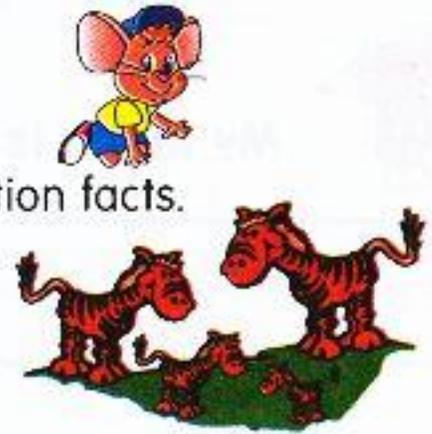


I. Part One

Some addition and subtraction facts belong together.
Facts that belong together are fact families.

Each family has two addition and two subtraction facts.

If we know one fact, we know four facts.
Fact families make it easier to learn.



If we know $2 + 3 = 5$
we also know $3 + 2 = 5$ $5 - 2 = 3$ $5 - 3 = 2$

If we know $15 - 8 = 7$
we also know $15 - 7 = 8$ $7 + 8 = 15$ $8 + 7 = 15$

1.1 Complete the fact families.

$6 + 4 = 10$
_____ = _____ _____ = _____

$14 - 8 = 6$
_____ = _____ _____ = _____

$8 + 5 = 13$
_____ = _____ _____ = _____

$9 - 1 = 8$
_____ = _____ _____ = _____

$7 + 9 = 16$
_____ = _____ _____ = _____

1.2 Write the numbers in number order.

923 523 823 723 623 423

1.3 Write the answers to the facts.

+	2	8	6	3	9	5	4	3	0
3									
6									

Patterns help us learn, to find answers, and to remember. When we find a pattern, we can tell what comes next.



The ten digits make a pattern. We can write part of the pattern.

We write three dots to show there is more.

0, 1, 2, 3, ...

1.4 Write the digits. Complete the pattern.

0, 1, 2, 3, _____

There is a pattern to addition and subtraction facts. Some addition and subtraction facts make a family of facts.

1.5 Write the family of facts. Complete the pattern.

$$5 + 6 = 11$$

_____ = _____

_____ = _____

_____ = _____

There is a pattern to counting.

We count in number order from small to large.

1.6 Write the next five numbers. Continue the pattern.

135, 136, 137, _____

Patterns are a sensible grouping of numbers.

We look for how numbers relate to each other. We look for a pattern.

1.7 Write the next three numbers.

84, 83, 82, _____

Describe the pattern.

1.8 Write the answer.

Jack was digging in his garden. The first day he found 2 worms, the second day he found 4 worms, the third day he found 6 worms. Following the pattern, how many worms would Jack find on the fourth day?



Write the pattern in numbers.

1.9 Add ones. Add tens. Add hundreds.

$$\begin{array}{r} 26 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 33 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ + 9 \\ \hline \end{array}$$

$$\begin{array}{r} 45 \\ + 3 \\ \hline \end{array}$$

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

$$\begin{array}{r} 79 \\ + 10 \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ + 23 \\ \hline \end{array}$$

$$\begin{array}{r} 63 \\ + 24 \\ \hline \end{array}$$

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

$$\begin{array}{r} 80 \\ + 15 \\ \hline \end{array}$$

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

$$\begin{array}{r} 75 \\ + 13 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ + 41 \\ \hline \end{array}$$

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

$$\begin{array}{r} 375 \\ + 23 \\ \hline \end{array}$$

$$\begin{array}{r} 462 \\ + 23 \\ \hline \end{array}$$

$$\begin{array}{r} 164 \\ + 25 \\ \hline \end{array}$$

$$\begin{array}{r} 446 \\ + 32 \\ \hline \end{array}$$

$$\begin{array}{r} 252 \\ + 433 \\ \hline \end{array}$$

$$\begin{array}{r} 217 \\ + 582 \\ \hline \end{array}$$

$$\begin{array}{r} 417 \\ + 341 \\ \hline \end{array}$$

$$\begin{array}{r} 379 \\ + 310 \\ \hline \end{array}$$

$$\begin{array}{r} 460 \\ + 423 \\ \hline \end{array}$$

$$\begin{array}{r} 543 \\ + 323 \\ \hline \end{array}$$

$$\begin{array}{r} 352 \\ + 114 \\ \hline \end{array}$$

$$\begin{array}{r} 462 \\ + 423 \\ \hline \end{array}$$

1.10 Add.

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

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

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

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

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

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



Keep trying!

If the sum of the ones' place is more than 9 we carry to the tens' place.

1.11 Add.

$$\begin{array}{r} 24 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 48 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 67 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 55 \\ + 9 \\ \hline \end{array}$$

$$\begin{array}{r} 43 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 25 \\ + 39 \\ \hline \end{array}$$

$$\begin{array}{r} 47 \\ + 37 \\ \hline \end{array}$$

$$\begin{array}{r} 29 \\ + 19 \\ \hline \end{array}$$

$$\begin{array}{r} 52 \\ + 28 \\ \hline \end{array}$$

$$\begin{array}{r} 66 \\ + 16 \\ \hline \end{array}$$

$$\begin{array}{r} 43 \\ + 47 \\ \hline \end{array}$$

$$\begin{array}{r} 58 \\ + 25 \\ \hline \end{array}$$

$$\begin{array}{r} 29 \\ + 28 \\ \hline \end{array}$$

$$\begin{array}{r} 49 \\ + 17 \\ \hline \end{array}$$

$$\begin{array}{r} 67 \\ + 24 \\ \hline \end{array}$$

$$\begin{array}{r} 56 \\ + 18 \\ \hline \end{array}$$

$$\begin{array}{r} 49 \\ + 33 \\ \hline \end{array}$$

$$\begin{array}{r} 25 \\ + 27 \\ \hline \end{array}$$

$$\begin{array}{r} 64 \\ + 26 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ + 13 \\ \hline \end{array}$$

1.12 Subtract ones. Subtract tens. Subtract hundreds.

$$\begin{array}{r} 58 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 74 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 48 \\ - 1 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 88 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 95 \\ - 15 \\ \hline \end{array}$$

$$\begin{array}{r} 67 \\ - 23 \\ \hline \end{array}$$

$$\begin{array}{r} 88 \\ - 13 \\ \hline \end{array}$$

$$\begin{array}{r} 58 \\ - 41 \\ \hline \end{array}$$

$$\begin{array}{r} 75 \\ - 25 \\ \hline \end{array}$$

$$\begin{array}{r} 85 \\ - 52 \\ \hline \end{array}$$

$$\begin{array}{r} 99 \\ - 17 \\ \hline \end{array}$$

$$\begin{array}{r} 58 \\ - 12 \\ \hline \end{array}$$

$$\begin{array}{r} 49 \\ - 30 \\ \hline \end{array}$$

$$\begin{array}{r} 85 \\ - 13 \\ \hline \end{array}$$

$$\begin{array}{r} 287 \\ - 31 \\ \hline \end{array}$$

$$\begin{array}{r} 559 \\ - 42 \\ \hline \end{array}$$

$$\begin{array}{r} 657 \\ - 34 \\ \hline \end{array}$$

$$\begin{array}{r} 999 \\ - 17 \\ \hline \end{array}$$

$$\begin{array}{r} 787 \\ - 251 \\ \hline \end{array}$$

$$\begin{array}{r} 983 \\ - 123 \\ \hline \end{array}$$

$$\begin{array}{r} 777 \\ - 435 \\ \hline \end{array}$$

$$\begin{array}{r} 958 \\ - 512 \\ \hline \end{array}$$

$$\begin{array}{r} 685 \\ - 433 \\ \hline \end{array}$$

$$\begin{array}{r} 799 \\ - 582 \\ \hline \end{array}$$

$$\begin{array}{r} 758 \\ - 341 \\ \hline \end{array}$$

$$\begin{array}{r} 689 \\ - 310 \\ \hline \end{array}$$

Self Test 1



1.01 Complete the fact families. (1 point each fact)

$7 + 6 = 13$

$\underline{\quad} = \underline{\quad} + \underline{\quad}$

$17 - 8 = 9$

$\underline{\quad} = \underline{\quad} - \underline{\quad}$

1.02 Write the next three numbers. Continue the pattern.

36, 37, 38, _____, _____, _____, ...

Are there more numbers in the pattern?

1.03 Add or subtract.

$$\begin{array}{r} 36 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 71 \\ + 25 \\ \hline \end{array}$$

$$\begin{array}{r} 421 \\ + 58 \\ \hline \end{array}$$

$$\begin{array}{r} 356 \\ + 642 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ 4 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 86 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 45 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} 37 \\ + 24 \\ \hline \end{array}$$

$$\begin{array}{r} 58 \\ + 33 \\ \hline \end{array}$$

$$\begin{array}{r} 29 \\ + 45 \\ \hline \end{array}$$

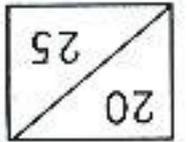
$$\begin{array}{r} 59 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 87 \\ - 36 \\ \hline \end{array}$$

$$\begin{array}{r} 378 \\ - 52 \\ \hline \end{array}$$

$$\begin{array}{r} 935 \\ - 203 \\ \hline \end{array}$$

$$\begin{array}{r} 764 \\ - 324 \\ \hline \end{array}$$



Teacher Check

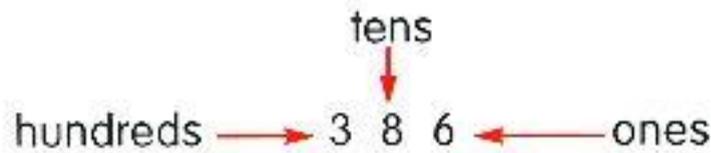
Initial

Date



II. Part Two

We have learned that there are only ten digits.
Their place in a number gives them their value.



2.1 Write the place of the underlined digit.

482 _____

630 _____

72 _____

409 _____

547 _____

361 _____

Numbers to hundreds can be written showing their place value.

$$943 = \underline{9} \text{ hundreds} + \underline{4} \text{ tens} + \underline{3} \text{ ones}$$
$$= \underline{900} + \underline{40} + \underline{3}$$



2.2 Write how many. Write the value.

863 = _____ hundreds + _____ tens + _____ ones

479 = _____ hundreds + _____ tens + _____ ones

= _____ + _____ + _____

= _____ + _____ + _____

570 = _____ hundreds + _____ tens + _____ ones

258 = _____ hundreds + _____ tens + _____ ones

= _____ + _____ + _____

= _____ + _____ + _____

2.3 Write the value of the underlined digit.

609 _____

840 _____

702 _____

Zero has no value. Zero is a _____.



Three digits can be used to write six different numbers.

2.4 Write six different numbers. Use the digits 5, 7, 8.

2.5 Write six different numbers. Use the digits 7, 3, 0.

Write the two numbers
that you did not use zero as a place holder.

2.6 Write the number words in digits.

If there is a zero, tell the place it is holding.

three hundred sixty

four hundred seven

fifty-seven

five hundred eleven

nine hundred four

Number order is from smallest to largest.

To find number order, we begin with the largest place.

486 We compare hundreds, tens, and ones.

491 The hundreds are equal. $400 = 400$

The tens are not equal. $80 < 90$

We know that $486 < 491$



2.7 Write the numbers in number order.

586

372

591

426

587

307

We have learned that when we add,
we may have more than 9 in the ones' place.

$$\begin{array}{r} 1 \\ 454 \\ + 139 \\ \hline 593 \end{array}$$

$$\begin{array}{l} 4 + 9 = 13 \\ 1 \text{ ten and } 3 \text{ ones} = 13 \\ 1 + 5 + 3 = 9 \\ 4 + 1 = 5 \end{array}$$

Add ones' place.
Change to tens and ones.
Write 3 in ones' place. Carry 1 ten.
Add tens.
Add hundreds.



2.8 Add. Carry ones.

$$\begin{array}{r} 365 \\ + 426 \\ \hline \end{array}$$

$$\begin{array}{r} 208 \\ + 728 \\ \hline \end{array}$$

$$\begin{array}{r} 534 \\ + 129 \\ \hline \end{array}$$

$$\begin{array}{r} 485 \\ + 207 \\ \hline \end{array}$$

$$\begin{array}{r} 716 \\ + 224 \\ \hline \end{array}$$

We may need to carry tens' place.

$$\begin{array}{r} 1 \\ 385 \\ + 461 \\ \hline 846 \end{array}$$

$$\begin{array}{l} 5 + 1 = 6 \\ 8 + 6 = 14 \\ 1 \text{ hundred and } 4 \text{ tens} = 14 \\ 1 + 3 + 4 = 8 \end{array}$$

Add ones' place.
Add tens' place.
Change to hundreds and tens.
Write 4 tens. Carry 1 hundred.
Add hundreds.



2.9 Add. Carry tens.

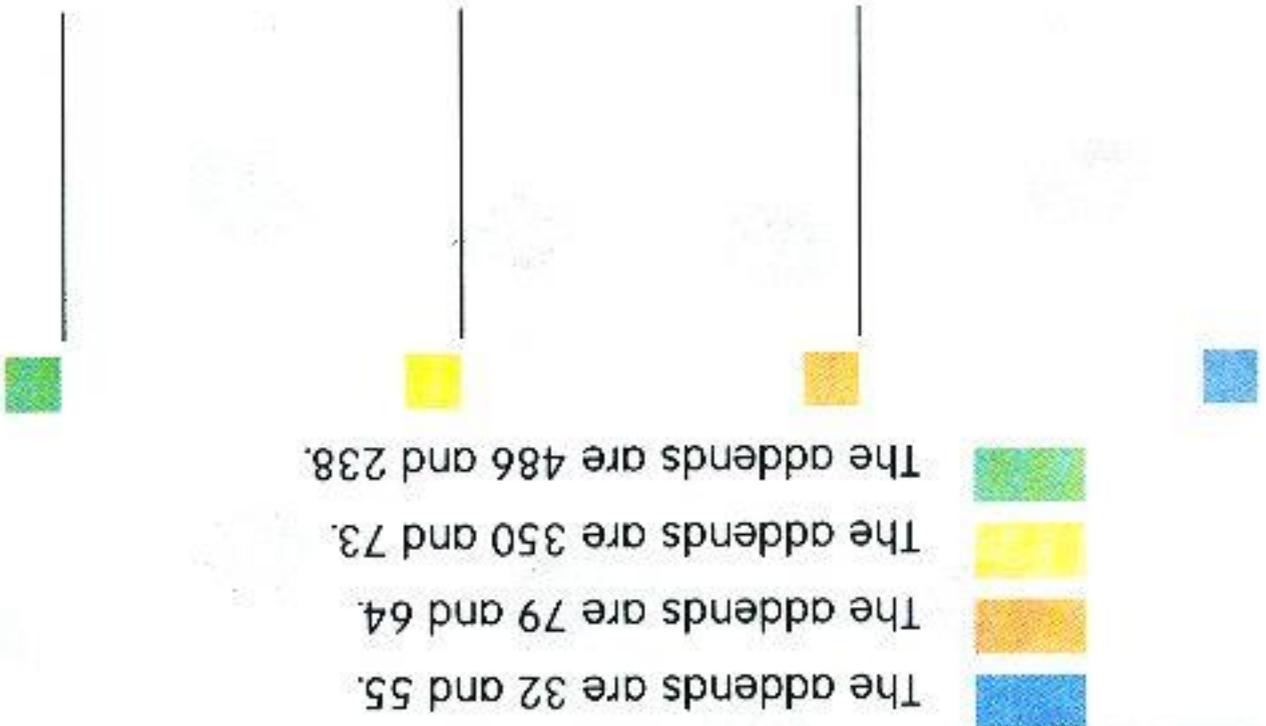
$$\begin{array}{r} 273 \\ + 482 \\ \hline \end{array}$$

$$\begin{array}{r} 556 \\ + 173 \\ \hline \end{array}$$

$$\begin{array}{r} 461 \\ + 492 \\ \hline \end{array}$$

$$\begin{array}{r} 325 \\ + 183 \\ \hline \end{array}$$

$$\begin{array}{r} 349 \\ + 470 \\ \hline \end{array}$$



2.11 Write the problem in the space. Find the sum.

$$\begin{array}{r} 346 \\ + 397 \\ \hline \end{array}$$

$$\begin{array}{r} 167 \\ + 785 \\ \hline \end{array}$$

$$\begin{array}{r} 692 \\ + 158 \\ \hline \end{array}$$

$$\begin{array}{r} 629 \\ + 293 \\ \hline \end{array}$$

$$\begin{array}{r} 378 \\ + 565 \\ \hline \end{array}$$

$$\begin{array}{r} 354 \\ + 269 \\ \hline \end{array}$$

$$\begin{array}{r} 583 \\ + 377 \\ \hline \end{array}$$

$$\begin{array}{r} 239 \\ + 485 \\ \hline \end{array}$$

2.10 Add. Carry ones and tens.

$$\begin{array}{r} 265 \\ + 387 \\ \hline 652 \\ 11 \end{array}$$

$5 + 7 = 12$

$1 \text{ ten and } 2 \text{ ones} = 12$

$1 + 6 + 8 = 15$

$1 \text{ hundred and } 5 \text{ tens} = 15$

$1 + 2 + 3 = 6$

We may need to carry both ones' place and tens' place.



Add ones' place.

Write 2 ones. Carry 1 ten.

Add tens' place.

Write 5 tens. Carry 1 hundred.

Add hundreds.



0

1

2

3

4

2.12 Look at the numbers.

Write the answers.

5

7

Start at 0. Count by 10's.
Draw a green circle around each number.

6

Start at 0. Count by 5's.
Draw a blue line under each number.

10

8

9

12

11

Start at 0. Count by 2's.
Draw a red X on each number.

13

15

17

14

16

18

There is a pattern
when we count by 10's, 5's, and 2's.

19

24

21

20

When we count by 10's, the number always ends in _____.

23

When we count by 5's, the number always ends in _____ or _____.

25

26

28

29

When we count by 2's, the number always ends in

27

30

_____, _____, _____ or _____.

seventy	17
sixty	563
five hundred sixty-three	119
four hundred ten	287
one hundred nineteen	60
seventeen	410
two hundred eighty-seven	70



2.16 Match.

_____	fifty
_____	eleven
_____	thirty-three
_____	five hundred twelve
_____	three hundred six
_____	nine hundred forty-four

2.15 Write the numbers in digits.

_____	13
_____	409
_____	382
_____	78

2.14 Write the number words.

_____	$9 - 4 - 2 + 8 =$
_____	$12 - 3 + 5 - 6 =$
_____	$8 + 3 - 6 + 5 =$
_____	$3 + 5 + 7 + 2 =$
_____	$13 - 7 - 5 + 2 =$
_____	$34 + 2 - 3 + 5 =$
_____	$76 - 5 + 2 - 4 =$
_____	$50 - 2 + 3 + 4 =$



2.13 Think the answer. Write the answer.

Self Test 2



2.01 Write the value of the underlined digit.

937 _____ 802 _____

Zero has no value. Zero is a _____.

2.02 Write how many. Write the value. (4 points)

863 = _____ hundreds + _____ tens + _____ ones 479 = _____ hundreds + _____ tens + _____ ones

= _____ + _____ + _____ = _____ + _____ + _____

2.03 Write the problem.

The addends are 56 and 42.
Find the sum.

2.04 Write the answer. (4 points)

When we count by ...

10's, the numbers end in _____. 5's, the numbers end in _____ or _____.

2's, the numbers end in _____, _____, _____, _____, or _____.

2.05 Write the number words.

508 _____

58 _____

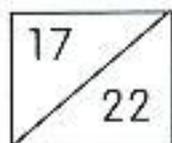
2.06 Add. Remember to carry. (2 points each)

$$\begin{array}{r} 387 \\ + 419 \\ \hline \end{array}$$

$$\begin{array}{r} 659 \\ + 267 \\ \hline \end{array}$$

$$\begin{array}{r} 448 \\ + 273 \\ \hline \end{array}$$

$$\begin{array}{r} 393 \\ + 587 \\ \hline \end{array}$$



Teacher Check _____

Initial _____
page 14 (fourteen)

Date _____



III. Part Three



Even numbers are the numbers we say when we count by 2.
 Odd numbers are the numbers we skip when we count by 2.
 The pattern is odd, even, odd, even, odd, ...

3.1 Write the next two numbers in the even number sequence.

2, 4, 6, _____
 24, 26, 28, _____

132, 134, 136, _____
 776, 778, 780, _____

3.2 Write the next two numbers in the odd number sequence.

1, 3, 5, _____
 45, 47, 49, _____

257, 259, 261, _____
 863, 865, 867, _____

3.3 Write a pattern of five even numbers.

3.4 Write a pattern of five odd numbers.

3.5 Add. Remember to carry.

$$\begin{array}{r} 36 \\ + 58 \\ \hline \end{array}$$

$$\begin{array}{r} 49 \\ + 63 \\ \hline \end{array}$$

$$\begin{array}{r} 258 \\ + 376 \\ \hline \end{array}$$

$$\begin{array}{r} 478 \\ + 356 \\ \hline \end{array}$$

$$\begin{array}{r} 432 \\ + 288 \\ \hline \end{array}$$

$$\begin{array}{r} 47 \\ + 48 \\ \hline \end{array}$$

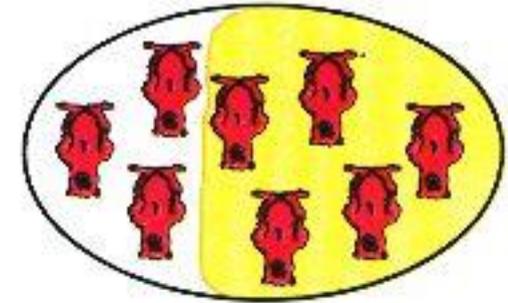
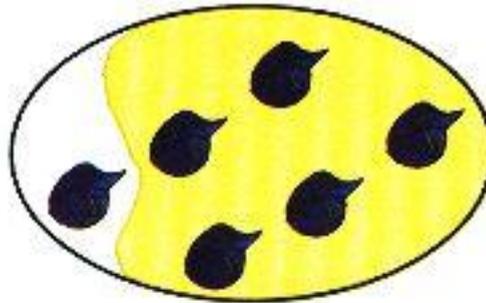
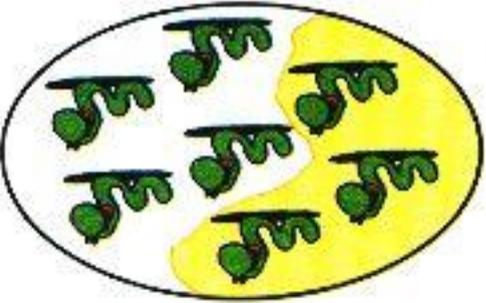
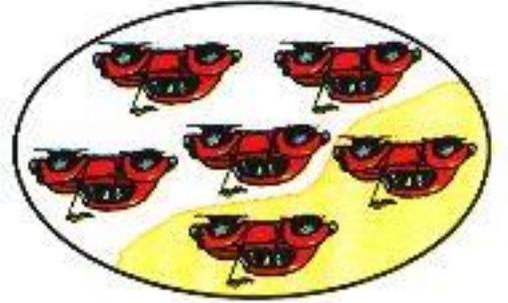
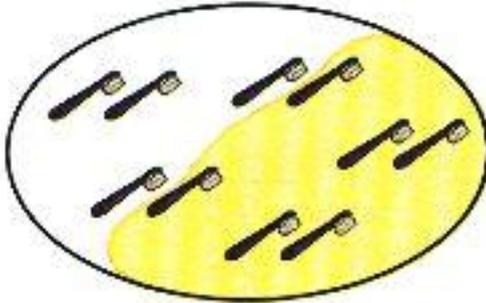
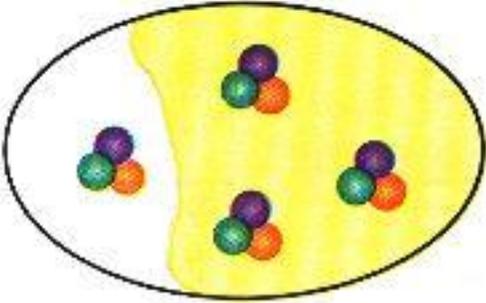
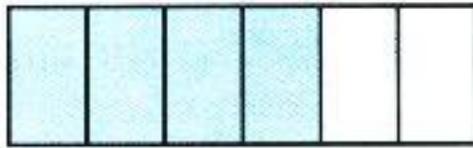
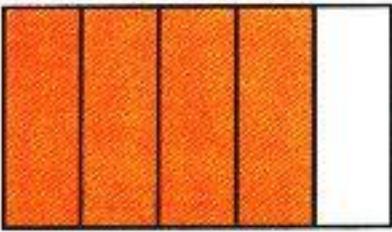
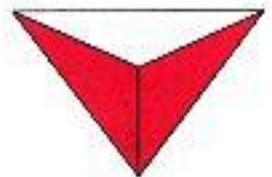
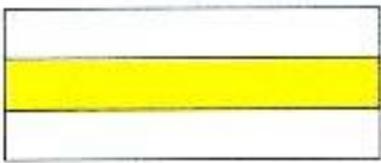
$$\begin{array}{r} 29 \\ + 63 \\ \hline \end{array}$$

$$\begin{array}{r} 532 \\ + 248 \\ \hline \end{array}$$

$$\begin{array}{r} 370 \\ + 462 \\ \hline \end{array}$$

$$\begin{array}{r} 539 \\ + 286 \\ \hline \end{array}$$

3.10 Write the fraction for the shaded part of each picture.
Write in numbers and in words.



When we cannot subtract, we need to borrow.

$$\begin{array}{r}
 \boxed{6} \boxed{12} \\
 \cancel{7} \cancel{2} \\
 + 49 \\
 \hline
 23
 \end{array}$$

We cannot subtract 9 ones from 2 ones.

We need to borrow.

We will borrow 1 ten from 7 tens.

Now we have 6 tens.

We add the ten we borrowed to 2 ones.

Now we have 12 ones.

We subtract 9 from 12. We subtract 4 from 6.



3.11 Subtract. Follow the steps.

$$\begin{array}{r}
 \boxed{} \boxed{} \\
 64 \\
 - 28 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \boxed{} \boxed{} \\
 42 \\
 - 37 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \boxed{} \boxed{} \\
 86 \\
 - 48 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \boxed{} \boxed{} \\
 92 \\
 - 73 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \boxed{} \boxed{} \\
 46 \\
 - 27 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \boxed{} \boxed{} \\
 84 \\
 - 36 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \boxed{} \boxed{} \\
 72 \\
 - 39 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \boxed{} \boxed{} \\
 54 \\
 - 26 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \boxed{} \boxed{} \\
 97 \\
 - 38 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \boxed{} \boxed{} \\
 50 \\
 - 21 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \boxed{} \boxed{} \\
 65 \\
 - 38 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \boxed{} \boxed{} \\
 75 \\
 - 36 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \boxed{} \boxed{} \\
 92 \\
 - 18 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \boxed{} \boxed{} \\
 64 \\
 - 27 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \boxed{} \boxed{} \\
 82 \\
 - 56 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \boxed{} \boxed{} \\
 95 \\
 - 37 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \boxed{} \boxed{} \\
 48 \\
 - 29 \\
 \hline
 \end{array}$$

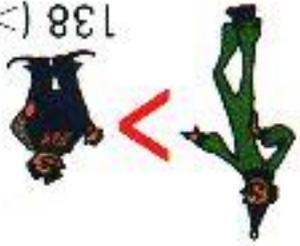
$$\begin{array}{r}
 \boxed{} \boxed{} \\
 32 \\
 - 24 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \boxed{} \boxed{} \\
 53 \\
 - 28 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \boxed{} \boxed{} \\
 74 \\
 - 36 \\
 \hline
 \end{array}$$

- 18 (>, <) 23
- 2 + 3 (=, ≠) 6
- 3 + 2 (>, <) 2 + 4
- 6 + 6 (=, ≠) 12 - 7
- 47 (>, <) 46
- 7 + 8 (=, ≠) 15
- 9 - 3 (>, <) 4 + 5
- 5 + 3 (=, ≠) 17 - 9
- 138 (>, <) 318
- 14 (=, ≠) 7 + 6
- 3 + 4 (>, <) 13 - 8
- 10 - 6 (=, ≠) 2 + 2

3.15 Circle the correct symbol.



- _____ 593
- _____ 395
- _____ 905
- _____ 950
- _____ 935
- _____ 530

3.14 Write the numbers in order from large to small.



- _____ 486
- _____ 86
- _____ 840
- _____ 480
- _____ 604
- _____ 406

3.13 Write the numbers in order from small to large.



- _____ 200
- _____ 479
- _____ 123
- _____ 36
- _____ 301
- _____ 718
- _____ 509
- _____ 963

3.12 Write the number before and after.

3.16 Write the number words.

13 _____

156 _____

28 _____

309 _____

56 _____

215 _____

40 _____

911 _____

70 _____

840 _____

3.17 Write the numbers.

6 hundreds + 3 tens + 4 ones = _____

700 + 40 + 8 = _____

500 + 70 + 1 = _____

2 hundreds + 6 tens + 0 ones = _____

4 hundreds + 1 ten + 9 ones = _____

300 + 50 + 3 = _____

20 + 5 = _____

9 tens + 6 ones = _____

400 + 80 + 7 = _____

900 hundreds + 9 tens + 9 ones = _____

1 hundred + 2 tens + 1 ones = _____

9 tens + 9 ones = _____



Self Test 3

3.01 Write the next two numbers in the number pattern.
Circle even or odd.

16, 18, 20, _____

43, 45, 47, _____

even odd
even odd



3.02 Write the names.

$\frac{2}{5}$

$\frac{5}{2}$

3.03 Write $\frac{5}{2}$ in words.

3.04 Draw a picture

of the fraction $\frac{2}{5}$.

3.05 Subtract.

$$\begin{array}{r} \square \\ \square \\ - 48 \\ \hline 76 \end{array}$$

$$\begin{array}{r} \square \\ \square \\ - 25 \\ \hline 93 \end{array}$$

$$\begin{array}{r} \square \\ \square \\ - 37 \\ \hline 52 \end{array}$$

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

$$\begin{array}{r} \square \\ \square \\ - 18 \\ \hline 62 \end{array}$$

3.06 Circle the correct symbol.

246 (>, <) 356

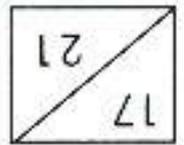
6 + 2 (>, <) 9 - 4

7 + 3 (=, ≠) 10

6 + 2 (=, ≠) 18 - 9

3.07 Write the number word.

593



Teacher Check

Initial

Date



IV. Part Four

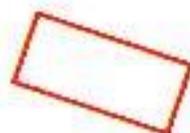
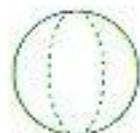
Some shapes are flat shapes. They lie flat on a surface.
Some shapes are solid shapes. They take up space.



Do you remember the names of the shapes?

4.1 Match the name of the shape with the picture.

Draw a circle around the flat shapes. Draw an X on the solid shapes.



rectangle

cylinder

square

rectangular solid

cone

triangle

cube

circle

sphere



Shapes are made from drawing lines.

We draw lines from dot-to-dot. The dots are end points.

We can give end points names. A, B, C, D, ...

4.2 Connect the end points.

Use a ruler.

A and B, B and C, C and D, D and A,
E and F, F and G, G and H, H and E,
A and E, B and F, D and H, C and G.

A.

E.

B.

F.

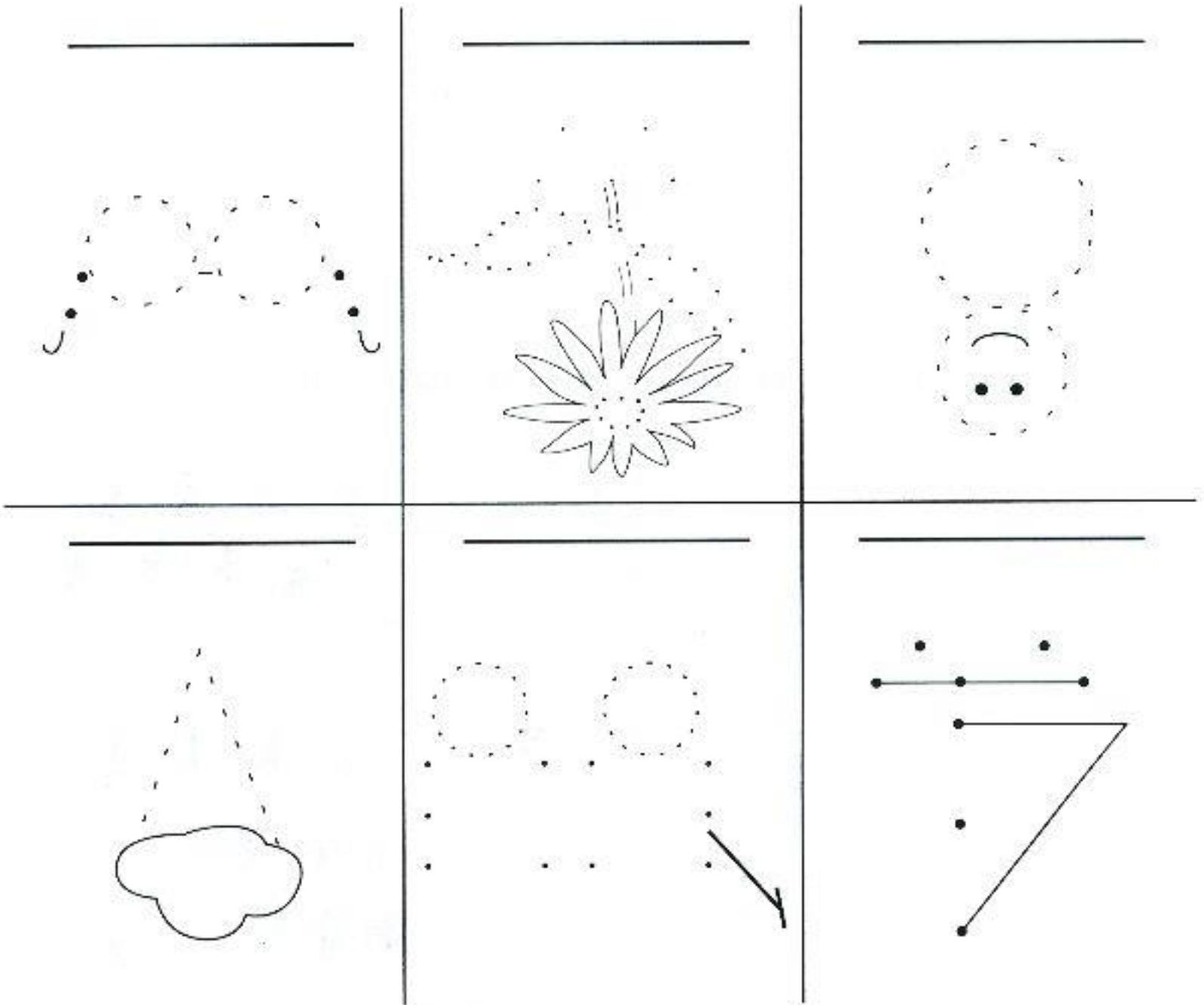
What did you draw?

D.

H.

C.

G.

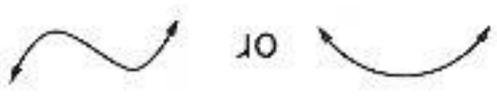
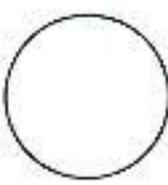


Color the shapes. Give each shape a name.

4.3 Connect the lines and end points.

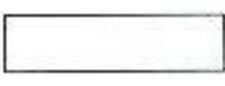
We can use straight lines or curved lines to draw. We need to use a closed line to make a flat or solid shape.

A curved line that is closed may be called a circle.



Some lines are curved.

When a line forms a shape, we say it is a closed line.



A line may look like this.

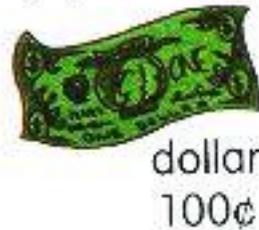
You will need pennies, nickels, dimes, quarters, dollars.

We go to the store to buy things.

We give the storekeeper money to pay for the things we are buying.

We may pay in coins,

or we may pay in dollars.



4.4 Find the total amounts in cents of each set of coins.



_____ ¢



_____ ¢



_____ ¢



_____ ¢

We can write money using the cent sign or the dollar sign and decimal point.



cent sign
= 176¢

or

dollar sign decimal point
\$1.76

4.5 Write the coins that you would use. Write the dollars and coins.

how many coins

how many dollars and coins

\$1.36 _____

158¢ _____

\$2.41 _____

Let's review subtraction with borrowing.

$$\begin{array}{r} 70 \\ - 39 \\ \hline 41 \end{array}$$

We cannot subtract 9 ones from 0 ones. We need to borrow.

We will borrow 1 ten from 8 tens.

Now we have 7 tens.

We add the ten we borrowed to 0 ones.

Now we have 10 ones.

We subtract 9 from 10. We subtract 3 from 7.

The answer is 41.

4.6 Subtract. Follow the steps.

$\begin{array}{r} \square \square \\ - 29 \\ \hline 95 \end{array}$	$\begin{array}{r} \square \square \\ - 45 \\ \hline 62 \end{array}$	$\begin{array}{r} \square \square \\ - 38 \\ \hline 51 \end{array}$	$\begin{array}{r} \square \square \\ - 55 \\ \hline 80 \end{array}$	$\begin{array}{r} \square \square \\ - 63 \\ \hline 91 \end{array}$
$\begin{array}{r} \square \square \\ - 18 \\ \hline 56 \end{array}$	$\begin{array}{r} \square \square \\ - 14 \\ \hline 63 \end{array}$	$\begin{array}{r} \square \square \\ - 22 \\ \hline 40 \end{array}$	$\begin{array}{r} \square \square \\ - 38 \\ \hline 77 \end{array}$	$\begin{array}{r} \square \square \\ - 49 \\ \hline 87 \end{array}$
$\begin{array}{r} \square \square \\ - 27 \\ \hline 73 \end{array}$	$\begin{array}{r} \square \square \\ - 26 \\ \hline 45 \end{array}$	$\begin{array}{r} \square \square \\ - 47 \\ \hline 95 \end{array}$	$\begin{array}{r} \square \square \\ - 13 \\ \hline 32 \end{array}$	$\begin{array}{r} \square \square \\ - 18 \\ \hline 64 \end{array}$
$\begin{array}{r} \square \square \\ - 48 \\ \hline 93 \end{array}$	$\begin{array}{r} \square \square \\ - 39 \\ \hline 53 \end{array}$	$\begin{array}{r} \square \square \\ - 26 \\ \hline 42 \end{array}$	$\begin{array}{r} \square \square \\ - 19 \\ \hline 27 \end{array}$	$\begin{array}{r} \square \square \\ - 35 \\ \hline 73 \end{array}$



When we add, we want to be sure we have the right answer.
 We check our work. We add down. We add up.
 The sum must be the same.

without carrying



$$\begin{array}{r} \text{Check} \\ \text{addend} \\ \text{addend} \\ \text{sum} \end{array} \quad \begin{array}{r} 773 \\ \hline 241 \\ + 532 \\ \hline 773 \end{array}$$

with carrying

$$\begin{array}{r} \text{check} \\ \text{addend} \\ \text{addend} \\ \text{sum} \end{array} \quad \begin{array}{r} 11 \\ \hline 387 \\ + 295 \\ \hline 682 \end{array}$$

$$\begin{array}{r} 682 \\ \hline 387 \\ + 295 \\ \hline 11 \end{array}$$



4.7 Add. Check.

$$\begin{array}{r} 5 \\ 8 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ 2 \\ + 9 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ 8 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 263 \\ + 715 \\ \hline \end{array}$$

$$\begin{array}{r} 508 \\ + 471 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ + 36 \\ \hline \end{array}$$

$$\begin{array}{r} 78 \\ + 54 \\ \hline \end{array}$$

$$\begin{array}{r} 63 \\ + 49 \\ \hline \end{array}$$

$$\begin{array}{r} 87 \\ + 55 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ + 36 \\ \hline \end{array}$$

$$\begin{array}{r} 568 \\ + 309 \\ \hline \end{array}$$

$$\begin{array}{r} 385 \\ + 293 \\ \hline \end{array}$$

$$\begin{array}{r} 616 \\ + 158 \\ \hline \end{array}$$

$$\begin{array}{r} 583 \\ + 259 \\ \hline \end{array}$$

$$\begin{array}{r} 365 \\ + 475 \\ \hline \end{array}$$

When we subtract, we want to be sure we have the right answer. We check our work. We subtract the subtrahend from the minuend. We add the difference to the subtrahend. The sum must be the same as the minuend.

without borrowing

with borrowing



minuend
subtrahend
difference
check

$$\begin{array}{r} 683 \\ - 351 \\ + 332 \\ \hline 683 \end{array}$$

minuend
subtrahend
difference
check

$$\begin{array}{r} 611 \\ - 48 \\ \hline 23 \end{array}$$

$$\begin{array}{r} 48 \\ + 23 \\ \hline 71 \end{array}$$



4.8 Subtract. Check.

$$\begin{array}{r} 68 \\ - 23 \\ \hline \end{array}$$

$$\begin{array}{r} 79 \\ - 45 \\ \hline \end{array}$$

$$\begin{array}{r} 697 \\ - 352 \\ \hline \end{array}$$

$$\begin{array}{r} 463 \\ - 201 \\ \hline \end{array}$$

$$\begin{array}{r} 375 \\ - 241 \\ \hline \end{array}$$

$$\begin{array}{r} 582 \\ - 320 \\ \hline \end{array}$$

$$\begin{array}{r} 960 \\ - 320 \\ \hline \end{array}$$

$$\begin{array}{r} 876 \\ - 153 \\ \hline \end{array}$$

$$\begin{array}{r} 75 \\ - 36 \\ \hline \end{array}$$

$$\begin{array}{r} 83 \\ - 27 \\ \hline \end{array}$$

$$\begin{array}{r} 51 \\ - 34 \\ \hline \end{array}$$

$$\begin{array}{r} 92 \\ - 76 \\ \hline \end{array}$$

Self Test 4

4.01 Follow directions. Write the answers.

Connect the end points. A, B B, C C, A

Name the shape. _____

Is this a flat or solid shape? _____

A curved line that is closed may be called a _____.

A
•

B
•

C
•



4.02 Write the amount of coins ... in cents. in dollars and cents.



4.03 Add. Check. (2 points each)

$$\begin{array}{r} \text{---} \\ 4 \\ 8 \\ + 3 \\ \text{---} \end{array}$$

$$\begin{array}{r} \text{---} \\ 263 \\ + 715 \\ \text{---} \end{array}$$

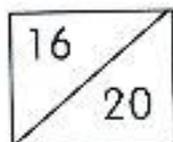
$$\begin{array}{r} \text{---} \\ 508 \\ + 471 \\ \text{---} \end{array}$$

4.04 Subtract. Check. (2 points each)

$$\begin{array}{r} 83 \\ - 27 \\ \text{---} \\ + \text{---} \\ \text{---} \end{array}$$

$$\begin{array}{r} 51 \\ - 34 \\ \text{---} \\ + \text{---} \\ \text{---} \end{array}$$

$$\begin{array}{r} \boxed{}\boxed{} \\ 92 \\ - 46 \\ \text{---} \\ + \text{---} \\ \text{---} \end{array}$$



Teacher Check _____

Initial

Date



V. Part Five



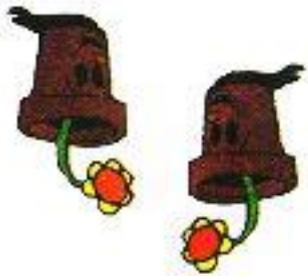
5.1 Write the ten digits.

5.2 Write the numbers before and after.

_____	800	_____	_____	_____	431	_____
_____	549	_____	81	_____	1	_____
_____	207	_____	_____	_____	_____	_____

5.3 Match.

385	eight hundred forty-five
27	eight hundred fifty-four
35	thirty-seven
372	twenty-seven
854	three hundred seventy-two
37	two hundred seventy-two
845	three hundred eighty-five
272	thirty-five



5.4 Write the numbers from exercise 5.3 in number order.

5.5 Write a number with ...

6 in the tens' place, 4 in the ones' place, and 8 in the hundreds' place.
 three in the hundreds' place, two in the ones' place, seven in the tens' place.
 five in the hundreds' place, six in the tens' place, four in the ones' place.

5.6 Think the answer. Write the answer.

_____	$3 + 7 + 4 =$	_____	$23 - 3 + 6 =$	_____	$47 - 2 - 5 =$
_____	$12 - 9 + 4 =$	_____	$17 - 2 - 8 =$	_____	$55 + 5 + 3 =$



5.7 Write the place of the underlined digit.

Write the value.

275 _____

56 _____

915 _____

853 _____

50 _____

302 _____

In 302, the value of 0 is _____. Zero is a _____.

5.8 Write how many. Write the value.

52 = _____ hundreds + _____ tens + _____ ones

407 = _____ hundreds + _____ tens + _____ ones

= _____ + _____ + _____

= _____ + _____ + _____

63 = _____ hundreds + _____ tens + _____ ones

784 = _____ hundreds + _____ tens + _____ ones

= _____ + _____ + _____

= _____ + _____ + _____

380 = _____ hundreds + _____ tens + _____ ones

91 = _____ hundreds + _____ tens + _____ ones

= _____ + _____ + _____

= _____ + _____ + _____

5.9 Write the standard measurements for length.

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

5.10 There was a spelling contest at school. Jan's class had 432 points. Jenny's class had 456 points. How many more points did Jenny's class have than Jan's class?

5.11 Peter and Michael were collecting coins. Peter had twelve Liberty Nickels. Michael had twenty-seven Indian Head Pennies. How many coins did they have altogether?

Peter made a row of his nickels on the table. Would he measure the row in inches, feet, or yards?

day of week _____ month _____ date _____ year _____

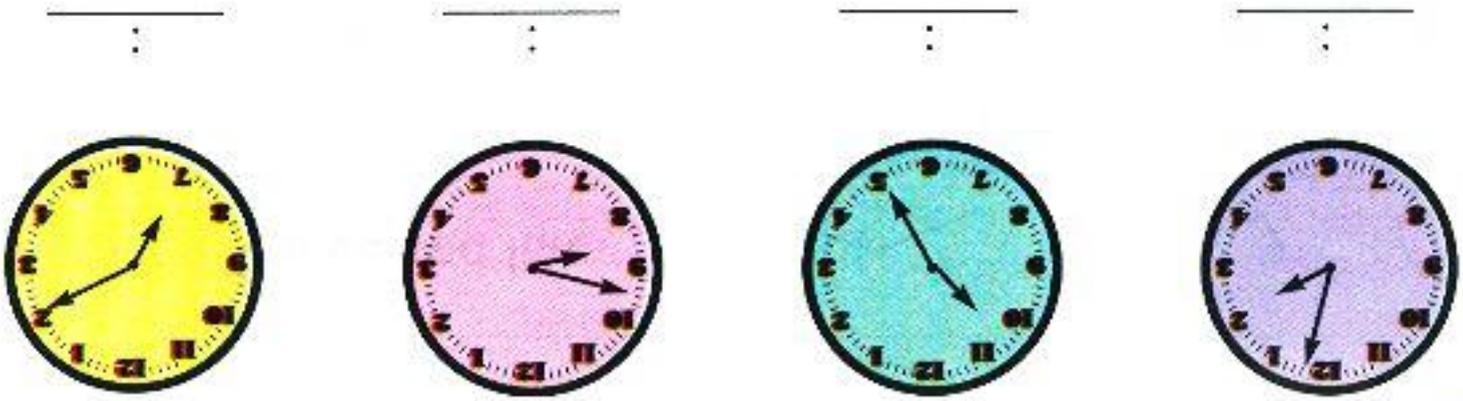
Write today's date.

Does the month of August have 30 or 31 days?

If November 5th is on Tuesday, what day is November 7th?

How many days in the year before the 5th day of February?

5.16 Write the answer.



5.15 Write the time on the clocks.

The minuend is 83 and the subtrahend is 36. What is the difference?

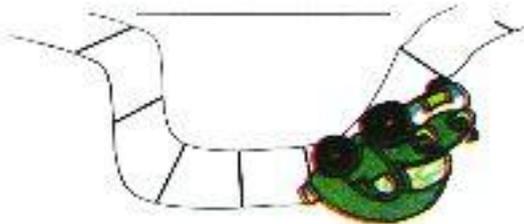
The addends are 385 and 456. What is the sum?

5.14 Write the problem. Find the answer.

$13 - 7 < 18 - 9$
 $6 + 8 > 9 + 3$
 $64 + 37 \neq 91$
 $23 + 46 = 69$

5.13 Write in words.

5.12 Paul and Jeffrey made a track in Paul's back yard to race their battery-operated cars. Do you think the track measured 8 inches or 8 feet?



Ten people are standing in line in alphabetical order.
Their names are ...

Laura, Jan, Abby Will, Tom, Cathy, Ken, Bruce, Don, Nora

5.17 Write the name of the person who is in line ...

first	_____	sixth	_____
second	_____	seventh	_____
third	_____	eighth	_____
fourth	_____	ninth	_____
fifth	_____	tenth	_____

5.18 Answer the questions about the pattern. 2, 4, 6, 8, ...

How do we know there are more numbers in the pattern? _____

Write the next three numbers in the pattern. _____

There are two ways to describe this pattern. Can you name them?

5.19 Circle the closed line.



Name the end points. _____



Name the shape. _____

5.20 Lisa and Ken were saving money to go to the circus.
Lisa had six quarters, three dimes, and two nickels.
Ken had four quarters, eight dimes and seven pennies.

How much money had Lisa saved? _____

How much money had Ken saved? _____

Who had saved the most money, Lisa or Ken? _____

How much more? _____

5.21 Write the answers to the facts.

Do you remember your facts?



$$\begin{array}{l} 9 + 9 = \underline{\quad} \\ 8 + 7 = \underline{\quad} \\ 6 + 5 = \underline{\quad} \\ 9 + 2 = \underline{\quad} \\ 5 + 4 = \underline{\quad} \\ 7 + 1 = \underline{\quad} \\ 6 + 0 = \underline{\quad} \\ 8 + 4 = \underline{\quad} \\ 4 + 6 = \underline{\quad} \\ 5 + 7 = \underline{\quad} \\ 18 - 9 = \underline{\quad} \\ 15 - 7 = \underline{\quad} \\ 11 - 5 = \underline{\quad} \\ 11 - 2 = \underline{\quad} \\ 9 - 4 = \underline{\quad} \\ 8 - 1 = \underline{\quad} \\ 6 - 0 = \underline{\quad} \\ 12 - 4 = \underline{\quad} \\ 10 - 6 = \underline{\quad} \\ 12 - 7 = \underline{\quad} \end{array}$$

$$\begin{array}{l} 6 + 1 = \underline{\quad} \\ 4 + 7 = \underline{\quad} \\ 7 + 7 = \underline{\quad} \\ 7 + 0 = \underline{\quad} \\ 8 + 8 = \underline{\quad} \\ 9 + 1 = \underline{\quad} \\ 7 + 9 = \underline{\quad} \\ 6 + 3 = \underline{\quad} \\ 5 + 5 = \underline{\quad} \\ 4 + 8 = \underline{\quad} \\ 7 - 1 = \underline{\quad} \\ 11 - 7 = \underline{\quad} \\ 14 - 7 = \underline{\quad} \\ 7 - 0 = \underline{\quad} \\ 16 - 8 = \underline{\quad} \\ 10 - 1 = \underline{\quad} \\ 16 - 9 = \underline{\quad} \\ 9 - 3 = \underline{\quad} \\ 10 - 5 = \underline{\quad} \\ 12 - 8 = \underline{\quad} \end{array}$$

$$\begin{array}{l} 5 + 8 = \underline{\quad} \\ 9 + 8 = \underline{\quad} \\ 8 + 1 = \underline{\quad} \\ 7 + 8 = \underline{\quad} \\ 5 + 3 = \underline{\quad} \\ 6 + 2 = \underline{\quad} \\ 7 + 4 = \underline{\quad} \\ 9 + 4 = \underline{\quad} \\ 8 + 6 = \underline{\quad} \\ 6 + 7 = \underline{\quad} \\ 5 + 8 = \underline{\quad} \\ 13 - 8 = \underline{\quad} \\ 17 - 8 = \underline{\quad} \\ 9 - 1 = \underline{\quad} \\ 15 - 8 = \underline{\quad} \\ 8 - 3 = \underline{\quad} \\ 8 - 2 = \underline{\quad} \\ 11 - 4 = \underline{\quad} \\ 13 - 4 = \underline{\quad} \\ 14 - 6 = \underline{\quad} \\ 13 - 7 = \underline{\quad} \end{array}$$

Self Test 5



5.01 Write the place of the underlined digit.

Write the value.

275 _____ 56 _____

915 _____ 853 _____

5.02 Write the answer.

The standard measurements for length are ...

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

If September 12 is on Friday, what day is September 11? _____

5.03 Write in words.

$69 + 28 \neq 87$ _____

$14 - 8 < 4 + 6$ _____

5.04 Read the story. Work the problem.

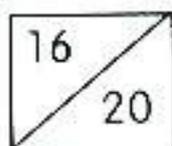
Jack and Matthew were counting cars.
Jack counted 23 black cars. Matthew
counted 18 green cars. How many cars
did they count altogether?

How many more black cars were there
than green cars?

5.05 Write the problem. Find the answer. Check the answer. (4 points)

The addends are
378 and 463.
What is the sum?

The minuend is 95 and
the subtrahend is 47.
What is the difference?



Teacher Check _____
Initial _____ Date _____



MATHEMATICS 302

Contents

I. Family of Facts, Patterns, Add with carrying, Subtraction	2
II. Place Value, Add with carrying, Skip-count, Number Words	8
III. Even and Odd, Fractions, Subtract with borrowing	15
IV. Shapes, Lines, Money, Check Addition and Subtraction	22
V. Review, Story Problems	29

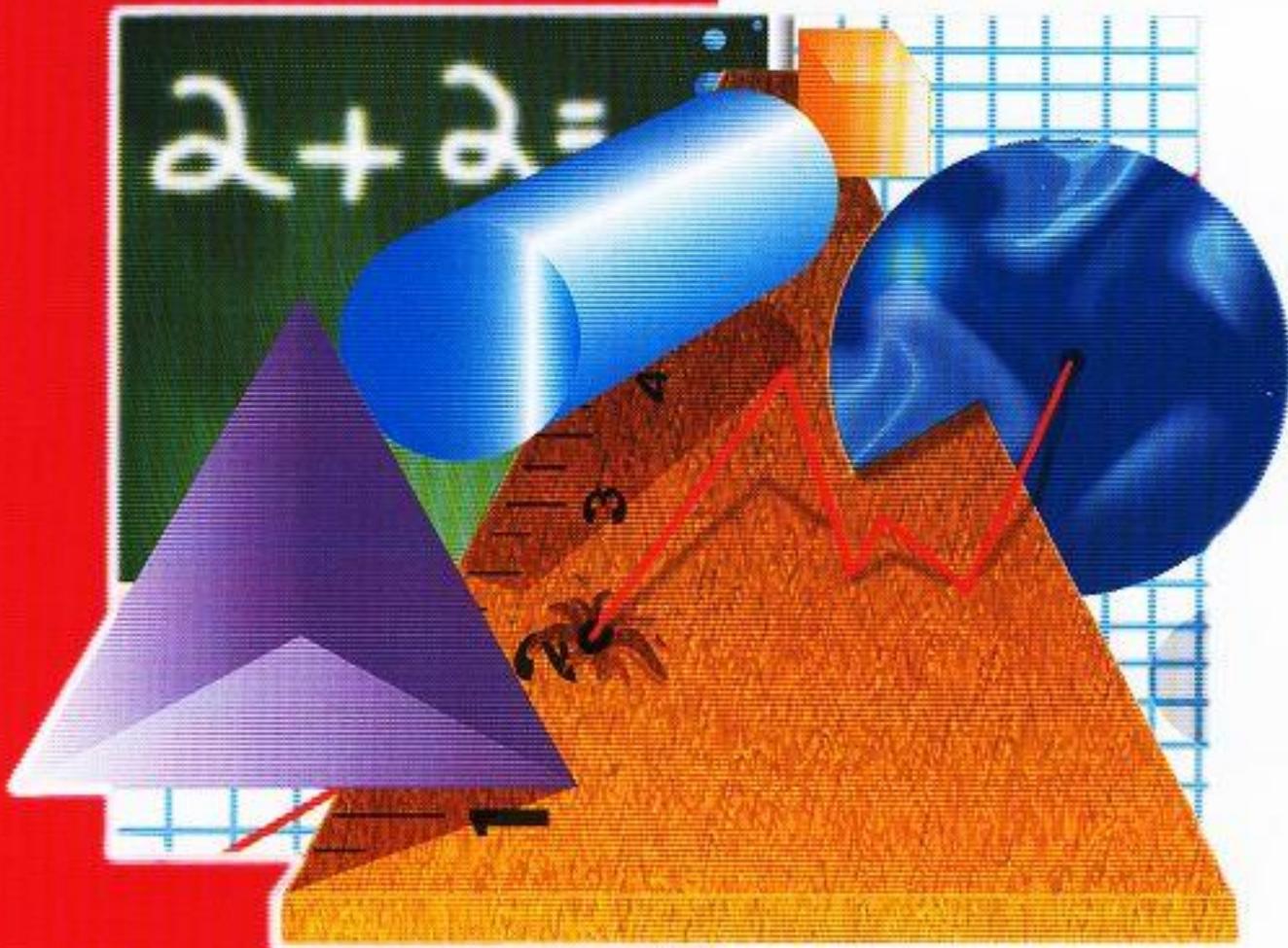
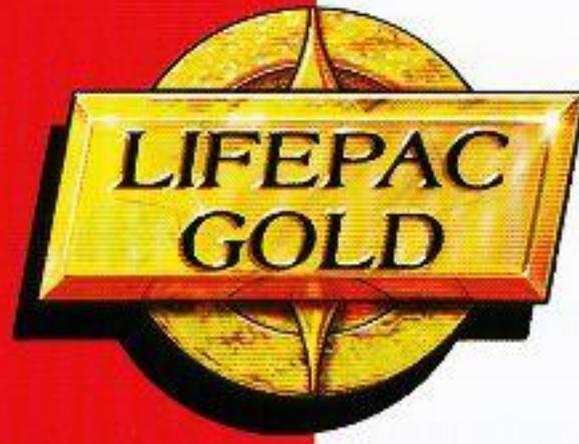
Alpha Omega Publications

300 North McKenney Avenue, Chandler, Arizona 85226-2618
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Graphic Design:

New
302
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 302: LIFE PAC TEST

1. Complete the fact family. 3, 8, 11 (2 points)

$$\begin{array}{l} \underline{\quad} + \underline{\quad} = \underline{\quad} \\ \underline{\quad} + \underline{\quad} = \underline{\quad} \end{array} \qquad \begin{array}{l} \underline{\quad} - \underline{\quad} = \underline{\quad} \\ \underline{\quad} - \underline{\quad} = \underline{\quad} \end{array}$$

2. Write the next two numbers in the number pattern.

Circle even or odd. (2 points)

2, 4, 6, 8, _____, _____, ...

even odd

3. Add or subtract.

$$\begin{array}{r} 8 \\ 3 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 284 \\ + 79 \\ \hline \end{array}$$

$$\begin{array}{r} 547 \\ + 268 \\ \hline \end{array}$$

$$\begin{array}{r} 795 \\ - 421 \\ \hline \end{array}$$

$$\begin{array}{r} \boxed{} \\ 84 \\ - 47 \\ \hline \end{array}$$

$$\begin{array}{r} \boxed{} \\ 62 \\ - 38 \\ \hline \end{array}$$

4. Write the value of the underlined digit.

740 _____ Zero is a _____.

5. Write how many. Write the value. (2 points)

763 = _____ hundreds + _____ tens + _____ ones

763 = _____ + _____ + _____

6. Write the problem. Find the answer. (4 points)

The addends are
275 and 368.

What is the sum?

The minuend is 82 and
the subtrahend is 34.

What is the difference?

$14 - 6 < 12$

$5 + 8 \neq 15$

14. Write the words.

A curved line that is closed may be called a _____

Is this a flat or solid shape? _____

Name the shape. _____

Connect the end points. A, B B, C C, D D, A

13. Follow directions. Write the answers. (4 points)

$6 + 0 (=, \neq) 6 - 0$

$5 + 7 (=, \neq) 18 - 9$

$346 (>, <) 364$

$13 - 4 (>, <) 4 + 4$

12. Circle the correct symbol.

11. Write the fraction in words $\frac{5}{8}$

_____ $\frac{5}{}$ _____

_____ $\frac{2}{}$ _____

fraction bar denominator numerator

9. Write the names.

10. Draw a picture of the fraction $\frac{2}{3}$.

18 _____ 560 _____

8. Write the number words.

2's, the numbers end in _____ or _____

10's, the numbers end in _____ 5's, the numbers end in _____ or _____

When we count by ...

7. Write the answer. (4 points)

15. Write the amount of coins ... in cents. in dollars and cents.



16. Add and subtract. Check answers. (4 points)

$$\begin{array}{r} \hline 354 \\ + 231 \\ \hline \end{array}$$

$$\begin{array}{r} \hline 429 \\ + 360 \\ \hline \end{array}$$

$$\begin{array}{r} 79 \\ - 36 \\ \hline + \\ \hline \end{array}$$

$$\begin{array}{r} 96 \\ - 35 \\ \hline + \\ \hline \end{array}$$

17. Write the standard measurements.

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

18. Read the story. Work the problem. (2 points)

Ben was at the bakery in the grocery store. He counted 32 chocolate chip cookies and 24 sugar cookies. How many cookies were there altogether?

Ben's mother said he could buy a dozen chocolate chip cookies and 6 sugar cookies. How many chocolate chip and sugar cookies are at the bakery now?

MATHEMATICS

3 0 2

LIFEPAC TEST

Name _____

Date _____

Score _____

