



MATH NEWS

Volume 2

Kindergarten Math

2nd 9 Weeks

Math Parent Letter

This newsletter is designed to give parents and students a better understanding of the math concepts found in the Georgia Standards of Excellence. During the second nine weeks your child will continue to rote count and develop their understanding of numbers. We will begin using story or word problems to teach the concept of addition and subtraction. Students will learn about the attributes of shapes and classify objects.

COUNTING GOALS

- ❖ SAY NUMBER NAMES WHILE COUNTING TO 89.
- ❖ COUNT TO 80 BY 10'S.
- ❖ FROM 0-89, START FROM ANY NUMBER AND COUNT UP TO 89.
- ❖ COUNT TO TELL THE NUMBER OF OBJECTS UP TO 20.

NUMBER GOALS

- ❖ WRITE NUMBERS 0-10 TO REPRESENT A QUANTITY.
- ❖ DECOMPOSE NUMBERS LESS THAN OR EQUAL TO FIVE.

COMPUTATIONAL GOALS

- ❖ MODEL AND UNDERSTAND THE CONCEPT OF PART-PART WHOLE ADDITION.
- ❖ MODEL ADDITION AND SUBTRACTION OF NUMBERS TO FIVE USING ACTIONS, OBJECTS, AND DRAWINGS.
- ❖ REPRESENT ADDITION AND SUBTRACTION OF NUMBERS TO FIVE USING PICTORIAL AND NUMERIC NUMBER BONDS.

MEASUREMENT/DATA GOALS

- ❖ CLASSIFY AND SORT SHAPES.
- ❖ COUNT THE NUMBER OF OBJECTS IN EACH CATEGORY.

VOCABULARY

THIS LIST IS NOT INTENDED FOR MEMORIZATION. IT IS A GUIDE TO HELP YOU UNDERSTAND THE LANGUAGE OF THE CLASSROOM.

Classify- sort into categories or groups.

Combine- put together or join sets.

Count- name units of a group one by one.

Counters- any object used for counting (cubes, beans, cereal, pennies, etc.).

Digit- any of the symbols 0,1,2,3,4,5,6,7,8,9.

Number- indicates "how many?" or "how much?"

Numeral- a symbol used to represent a number (e.g. six, 6).

Rote Counting- to say numbers in correct sequence.

Subitize- Instant recognition of a dot pattern.

Number Bonds- A number bond shows the relationship between a number and the parts that combine to make it.

Addition- put together sets or numbers, join sets or numbers.

Subtraction - take apart sets or numbers.

Counting Focus

~ Students will count orally and recognize patterns in the number sequence.

~ Students will count orally each day focusing on the number of days in school. By the end of the third nine-weeks, they will rote count to 89. Students will also count by 80 by tens.

~ Students will learn to move individual objects as they say each number word. This will help to develop one-to-one correspondence.

~ Students will count out sets of objects up to 20.

~ Students will need several ongoing experiences with counting different objects at school and home.

Number Focus

- ~Students will write numbers 0 to 10 to represent a quantity.
- ~ Students will understand the relationship between numbers and quantities.
- ~ Students will count to answer “how many?”.
- ~Students will begin to develop an understanding that smaller sets of objects exist within larger sets. (Ex. 5 can be created by combining 3 and 2 or 4 and 1.)
- ~Students will model addition and subtraction word problems within 5 using objects, pictures, words and numbers. (At this time students will not write equations.)
- ~Students will decompose numbers less than or equal to 5 using number bonds.



Measurement and Data Focus

- ~Students will classify or sort objects into groups.
- ~ Students will count to record the number of classified objects.
- ~ Students will count to answer “how many?” in a sorted group.

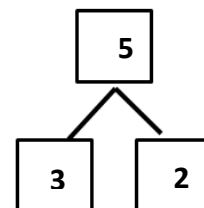
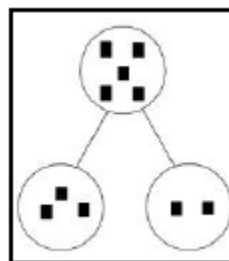
Computational Focus

- ~Students will model addition and subtraction with objects, fingers, mental images, drawings.
- ~ Students will represent addition and subtraction word problems within five by using pictorial and numeric number bonds.

Number Bond-

A number bond shows the relationship between a number and the parts that combine to make it. Students will first work with number bonds using objects to represent the total and each part and then begin to place numbers only.

Below is an example of a number bond. Students are shown a picture of five animals: 2 are cats and 3 are dogs. They show a number bond with five animals (whole) and represent 2 cats and 3 dogs which are the parts of five.



Suggested activities for home practice...

Suggestions for counters: pennies, buttons, cereal, dry beans, stickers, popcorn, small toys, skittles, etc.



- ✓ Look for shapes in your home and name which ones are flat and solid.
- ✓ Sort buttons, socks, toys, coins, etc.
- ✓ Practice counting out 20 pennies from a pile.
- ✓ Write numbers 0-10 to represent a quantity.
- ✓ Always ask how many they counted after counting a set or group.
- ✓ Practice describing the location of objects using positional words.
- ✓ Tell story problems such as, I have 4 pennies and you have 1 penny. How many pennies do we have?
- ✓ Ask your child to show you a certain amount, such as 2 books, 4 crayons, etc.