



# Kindergarten Unit 1

## Counting with Friends

Volume 1 Issue 1

### References

#### Helpful Links:

<http://counton.org/games/circus/>

<http://www.primarygames.com/>

<http://gamequarium.com/>

<http://pbskids.org/sesame/>

### Dear Parents

Welcome to the new school year! We are eager to work with you and your students as we learn new mathematical concepts. The State of Georgia is using Mathematics Georgia Standards of Excellence (MGSE) that call for students to be actively engaged in the learning process. During this student's learning focus will be counting and comparing numbers. Your child should receive a consumable My Math workbook and online access for practice.

### Concepts Students will Use and Understand

- Count by ones from 0 to 100
- Counting on from a given number
- Write numbers from 0 to 10
- Understand that when counting, the next number said is one larger (5 is one more than 4)
- Count to match objects in a set

### Vocabulary

- **Rote Counting:** Orally counting in sequential order (0,1,2,3,4,5 etc.)
- **Counting on:** Instead of counting from one, counting forward from a given number.
- **Number:** A concept used to describe the count, size or position of objects
- **Numeral:** symbol or mark to represent a number
- **Number Words:** Names of numbers such as, one, two, three
- **Set:** Collection of numbers, figures, or other objects that have some characteristics in common.

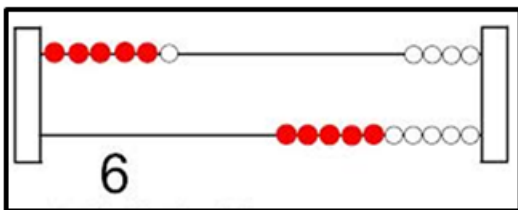
#### Georgia Math Grade K Textbook

##### Connection:

Ch. 1, Lessons 1-5

Ch. 2, Lessons 1-6

### Example 1



The goal for students is to be able to quickly recognize the quantity of beads using their understanding of 5.

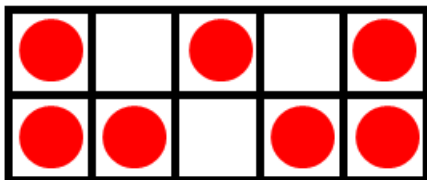
The use of rekenreks fosters subitization, fluency, and computation with addition and subtraction.

#### Textbook Online:

[connected.mcgraw-hill.com](http://connected.mcgraw-hill.com)

Ask your teacher for the online passcode

### Example 2



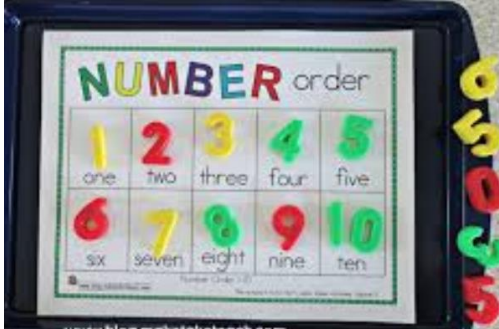
The goal for Kindergarteners is to be able to recognize dot arrangements in varying patterns on five- and ten-frames. The use of five- and ten-frames fosters instant recognition of sets of objects (*subitization*), fluency and computation with addition and subtraction. In the above example, the student may see three dots on the top row and four dots on the bottom row to recognize seven dots. They may also see seven as two groups of three dots and one more dot.

### Example 3



This is a fun activity for your child to work on fine motor skills as well as counting. Have them string the correct amount of beads onto each pipe cleaner.

### Example 4



Students can practice counting with the beginning number concepts templates. There are two number concepts templates: 1-5 and 6-10

## Home Activities

Make a set of 10 pennies. With your child, count the set of pennies making sure that your child touches and slides each penny across the table as he counts. Repeat with different amounts. As your child makes a set, ask him if that number is closer to five or to ten.

With your child, write the number words zero to ten and numerals 0 – 10 on separate pieces of paper. Match the number word to the numeral. Repeat until all number words are correctly matched to the numerals. You could also use these to play concentration.

Play "Count On." Let your child to choose any numeral from 0-8. Ask your child count beginning from the numeral chosen until he reaches 10. For example, if your child chooses the number 6, he should count 7, 8, 9, 10.



Count the number of objects above. Write the numeral and number word to label the set.

- Have your child count the number of spoons in the drawer.
- Help your child learn to count forward from 1 to 50. Don't always begin at 1; start at other numbers like counting up from 15 etc.
- While your child is taking a bath, spray a little shaving cream on the wall and have your child write the numbers 0 – 9.
- Lay out your child's toys, and have your child touch and count each one.
- Place money in a straight line and have your child touch and count each coin (they do not need to know the name or value of the coins, just using them as a counter).
- Play games that require counting and using dice, such as Chutes and Ladders.