



Kindergarten Unit 6

Further Investigation of Addition and Subtraction

Volume 6 Issue 1

References

Helpful Links:

Links for Parents to build background knowledge:

<http://www.education.com/games/math/kindergarten/>

<http://www.abcya.com/addition.htm>

<http://www.turtlediary.com/kindergarten-games/math-games/learn-to-add.html>

Dear Parents

Welcome to the end of the 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 adding and subtracting numbers.

Concepts Students Will Use and Understand

- Represent the combining of two sets within 10
- Represent the separating of a set into two sets within 10
- Model addition and subtraction problem situations using various representations
- Represent number combinations up to 10
- Decomposing and composing Numbers within 10

Vocabulary

- Combine: put sets together, join sets, add
- Separate: take away, remove, subtract
- Quantity: the amount of objects

Try <http://intermath.coe.uga.edu/dictionary/homepg.asp> or <http://www.amathsdictionaryforkids.com/> for further examples.

Georgia Math Grade K Textbook Connection:

- Ch. 4, Lessons 3-9
- Ch. 5, Lesson 6-7
- Ch. 6, Lessons 6-7
- Ch. 7, Lessons 7.1 – 7.5

Example 1

Make Ten Facts

These pairs of #'s make 10.

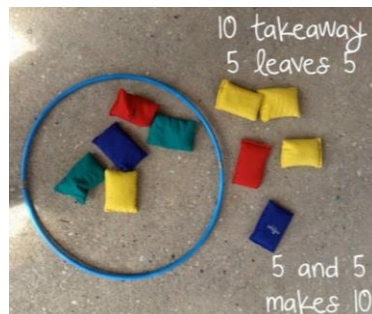
	$1+9=10$
	$2+8=10$
	$3+7=10$
	$4+6=10$
	$5+5=10$

Textbook Online:

connected.mcgraw-hill.com

Ask your teacher for the online passcode

Example 2




Combine and separate two sets with different house hold items. Reinforce symbols and definitions.


Example 3



Example 4


Name _____


2 boys have trucks. 

2 boys are on swings. 

How many boys in all?


$2 + 2 = \underline{\quad}$


2 kids are in the sandbox. 

1 kid has a wagon. 

How many kids in all?

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

1 girl likes to jump rope. 

2 girls likes to skate. 

How many girls in all?

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

Design different story problems. Have student's model using manipulatives. Combinations should be within 10.

Activities to try at home

- Gather 10 pennies and ask your child to separate them into two sets. Help them understand the combinations.
- Suggest subtraction problems to your child and allow them to model the problem with objects.
- Students may use observation to compare two quantities (e.g., by looking at two sets of objects, they may be able to tell which set has more or less without counting).
- Compose and decompose 10 objects in different ways, e.g. Mom has a vase of 10 flowers. The flowers are red and purple. How many different combinations of red and purple flowers can there be? Draw a picture of all your ideas.
- Tell students story problems and have them represent addition and subtraction with objects (such as beans, buttons) or by drawing. An example of a story problem might be – My dog has 3 bones. My uncle gives him 2 more.