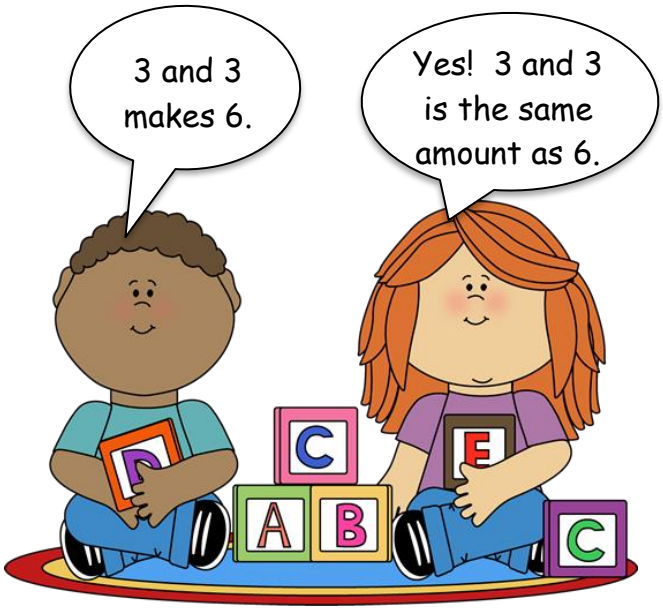
Kindergarten Family Letter
Cluster 5: Number Relationship Between and Among 1 to 10

Dear Family,

In this cluster, your child will:

- Count to 100 by ones and tens.
- Add within 10.
- Decompose numbers less than or equal to 10.
- Find the number that makes 10 when added to a given number.



In addition to covering the skills listed above we will be reviewing the following skills: counting on from any given number, comparing numbers and sets to 10, answering "how many?" questions by counting out up to 20 objects and identifying how many objects when up to 20 objects are shown in different arrangements. We are building on our prior knowledge with our new skills that are being added in this cluster.

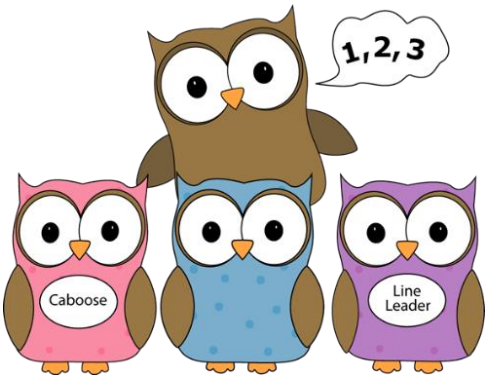
Your Partner in Learning,

_____

Kindergartners Count to 100 by Ones & Tens. By the end of the school year, Kindergartners count to 100 by ones and tens. They may start at the number one or at any given number (e.g., start counting from 19).

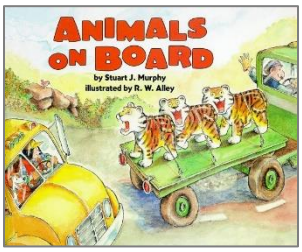
How can parents help?

- Give your child a number between 1-100. Challenge them count until they reach 100.
- Give your child a small snack food or coins. Have them count a group of 100. Then, ask your child to arrange the objects into groups of ten and skip count by tens.
- Get fit and have fun while counting. Watch Count to Ten and Exercise by Jack Hartmann.
- Play Number Bubble Skip Counting from ABCya.



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Kindergartners Solve Addition Problems within 10. When solving addition problems in Kindergarten, the focus is not on symbols (+, -, and =). Instead, children make sense of word problems by acting them out, using objects, and drawing pictures. As Kindergartners work with addition, the use words such as *and* to describe addition and *same amount as* to describe equal. For example: *Two and three are the same amount as five.*



How can parent help?

- Use real life situations as teaching moments. For example, say: *I have two pieces of broccoli on my place and you have three pieces of broccoli on your plate. How many pieces of broccoli do we have?*
- Read books, such as Animals on Board by Stuart J. Murphy, that model addition.

Kindergartners Decompose Number 1-10. Decomposing means to break a number or group of objects into parts. Kindergartners break apart numbers or groups, finding all possible ways to break apart the amount into two parts. For example, 4 pieces of candy can by broken into parts in many ways: 0 and 4, 1 and 3, 2 and 2, 3 and 1, 4 and 0.

How can parents help?

- Play George's Busy Day with Curious George.
- Watch Grandma's Sweater by Brainzy, and discuss the different colored buttons Grandma wears.
- Share ten crackers or other small treat between you and your child. Ask your child to find the different ways to share the snack between two people.



Kindergartners Find the Missing Number Needed to Make Ten When given a number 1-9, Kindergartners find its partner number needed to make a total of ten. For example, when given the number 8, Kindergartners work to determine that 2 is needed to make a total of 10. While seemingly simple, this skill lays the groundwork to later learning such as developing fluency and place value.

How can parents help?

- Watch Adding to Ten by Mr. R's Songs for Teaching.
- Play Ten Frame Mania by Greg Tang.
- Play, "What's Missing?" Provide your child with an egg carton (remove the 11th and 12th cups so that it would hold 10 eggs). Say a number 1-9. Have your child place a matching amount in the egg carton cups, one object per cup. Then, have your child find the missing number.

