

Dear Parents,

Over the next several weeks, we will be learning about **addition** in math! The information below will help you to support your child as they learn about this exciting, yet important kindergarten math skill.

The GOAL:

By the end of the unit, your child should be able to **define addition** and to **solve a variety of addition problems**.

What is addition?

Addition is the process of **putting together 2 or more quantities** to find out how much in all.

Symbols used in addition:



plus



equals

Number Sentences:

We solve number sentences with our fingers or with objects!

$$2 + 3 = 5$$

$$4 + 6 = 10$$

Using pictures to add:

We can solve by counting and counting on.

$$\heartsuit \heartsuit + \heartsuit \heartsuit = 4$$

$$\star \star \star \star + \star = 5$$

Word/Story Problems:

We can solve addition word problems with our fingers, objects, OR by drawing a picture.

Below are a few examples of word problems that your child will see.

"I had one cookie. My friend gave me 2 more. How many do I have now?"

"There were 7 birds in the tree. Three more flew in. How many birds are in the tree now?"

Quick Check

Check to see if your child can solve the problems below:

$$2 + 6 = \underline{\quad} \quad 9 + 1 = \underline{\quad} \quad 3 + 4 = \underline{\quad}$$

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

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

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There were 2 cakes. I made 1 more. How many cakes are there now?

I had 5 balloons. My dad gave me 3 more. How many balloons do I have now?

I had three friends over. Two more friends came over! How many friends are over now?



Grade K Math: PA Core Math Standards in Unit 5

CC.2.2.K.A.1: Extend the concepts of **putting together** and taking apart to **add** and subtract within 10.

-- HOW TO HELP AT HOME --

- Have your child practice addition by combining groups of objects (snack time is perfect for this!)
- Use the 'counting on' strategy when combining 2 sets of objects together (2 apples in one set and 3 apples in the other set – say "2, 3, 4, 5, we have 5 apples in all!")
- Tell stories about joining sets (e.g. I had 2 toys. You gave me 3 more. How many toys do I have now?)
- Let your child create their own addition problems with different objects or toys at home
- Make up word or story problems for your child and help them draw or use objects to solve the problem
- Write number sentences ($3 + 4 = \underline{\quad}$) and let your child solve them

-- KEY MATH VOCABULARY --

Addition: When you find the total number of items when two or more groups of items are put together.

Equal: the same amount of value

Sum: the answer to an addition problem