

K-2

## Working with Math Manipulatives at Home!

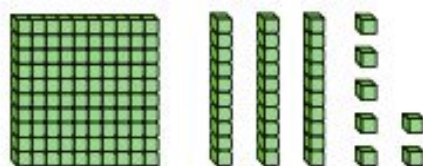
### What are Pattern Blocks?

A set of Pattern Blocks consists of blocks in 6 geometric color-coded shapes. Pattern Blocks help children explore spatial relations, designing patterns, symmetry, area, patterns, fractions and graphing.



### What are Base Ten Blocks?

Base Ten Blocks provide a 3-dimensional model of the base ten system. They are used in helping students add, subtract, multiply and divide and serve as a visual model for place value.



### What are Color Tiles?

Color Tiles are 1-inch squares that come in four different colors. You can use color tiles to build patterns, for addition and subtraction. Color tiles can also be used for multiplication and division too! Color Tiles can be used to represent numbers or objects in a word problem.



## Activities to do at home with these manipulatives!

### **Pattern Blocks**

- Ask your child to make a picture using the pattern blocks. Then have them count the amount of pattern blocks they used. Have them write an equation that matches the quantities.
- Sort the different pattern blocks by how many sides they have. Then have them count and add up the amount of shapes in the different categories.

### **Color Tiles**

- Have your child grab a handful of the color tiles and count them by color. Then have them write an equation that matches.
- Make up a word problem within 20 and have your child use the color tiles to represent the problem. Have them write the equation that matches the problem. Ask them what the opposite operation would be. (i.e.:  $10 + 4 = 14$ , so  $14 - 10 = 4$ .)

### **Base Ten Blocks**

- Pick a number between 0-100. Have your child use the base ten blocks to make that number. Have your child write the number.
- Tell your child two numbers that are between 0-50. Ask them to use the base ten blocks to add the two numbers you told them. Then have them write the equation that matches.