

3-5

Working with Math Manipulatives at Home!

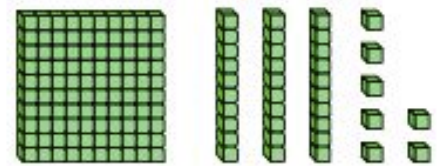
What are Pattern Blocks?

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 find multiple combinations of which pattern blocks can cover another pattern block completely.
- Choose a shape and ask your child if they can find a shape that will cover one-half of the chosen shape. Repeat with thirds or fourths.

Color Tiles

- Have your child grab a handful of the color tiles and put them in equal rows and columns. Ask them what multiplication problem they just made. Have them write down the multiplication problem that matches it.
- Give your child a multiplication problem and ask them to use the color tiles to make an array (equal rows and columns) to represent the problem.

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 in expanded form. i.e.: 87 ; $80 + 7 = 87$
- 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.