

Pattern Blocks



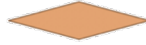
Green
Triangle



Orange
Square



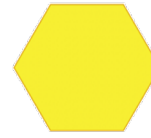
Blue
Parallelogram
(Rhombus)



Tan
Rhombus



Red
Trapezoid



Yellow
Hexagon

A set of Pattern Blocks consists of blocks in 6 geometric, color-coded shapes. Pattern Blocks help your child explore many mathematical topics, including congruence, similarity, symmetry, area, perimeter, patterns, fractions, and graphing. They can also be used to explore spatial relations and designing patterns.

Discover Pattern Blocks

Overview: In this activity, your child discovers the relationships between the different Pattern Blocks and expresses them as equations.

Materials: Pattern Blocks, paper, pencil

- ❖ Have your child sort the Pattern Blocks by color. Take 1 yellow hexagon.
- ❖ Have your child make a hexagon from the red trapezoids. How many red trapezoids did it take?
- ❖ On the paper, have your child write: 1 yellow hexagon = 2 red trapezoids.
- ❖ Now have your child use a different color Pattern Block to make a hexagon and write the "formula" on your paper.
- ❖ Now that your child has figured out how all the Pattern Blocks relate to the hexagon, see if they can figure out how the Pattern Blocks relate to each other.

Copy and Repeat

Overview: In this activity, your child learns how to record and observe how different patterns can create the same shape.

Materials: Pattern Blocks, paper, crayons

- ❖ Have your child put 4 yellow hexagons together horizontally to make your caterpillar.
- ❖ Have your child cover the caterpillar using only blue and green Pattern Blocks.
- ❖ Have your child trace and color the caterpillar outline on a sheet of paper to record your solution.
- ❖ Have your child record the number of blue blocks and green blocks they used to color the caterpillar.
- ❖ Have your child repeat the activity using a different number of blue and green blocks to cover the caterpillar and then record these results.
- ❖ Now have your child use red and green blocks and record the results.

