



## Related Activities to Try at Home (page 1 of 2)

Dear Family,

The activities below are related to the mathematics in the unit *Color, Shape, and Number Patterns*. You can do them at home to enrich your child's mathematical learning.

**Pattern Hunt** Patterns are everywhere. Talk with your child about the patterns you see every day. Together, you can look at everything from the squares on a checkerboard to the fabric of a skirt. Rugs and tiled floors often have interesting patterns too. Ask your child, "Where do you see a pattern?" "What makes that pattern a pattern?" If it is a repeating pattern, see whether your child can identify the part that repeats. You can also look at songs, stories, or poems for repeating patterns.

**Making Patterns** Making patterns is a great way to learn about them. At home, your child might use coins, bottle caps, or buttons to make a pattern. You can take turns adding on to each other's patterns. Drawing patterns is also fun. Compare completed patterns: "What is the same and different about them?"

**Doing Patterns** Try physical pattern routines with motions, such as clapping your hands and tapping your knees in rhythm; for example, clap, clap, tap; clap, clap, tap; clap, clap, tap. Start a clapping pattern and see whether your child can join in. Stop to talk about what motion comes next. Then reverse the game, with your child making a pattern for you to try.

(continued)



## Related Activities to Try at Home (page 2 of 2)

**Growing Jar** Start with a small number of objects in a jar (e.g., one penny). Each day, add 2 more of the same object. Help your child record how many are in the jar each day. Ask your child how the pattern of pennies in the jar will continue for the next two or three days. When you have reached 10 days, empty the jar and start again. Change the start number and the number added and try it again. Try to keep the total number of pennies fewer than 30.

**Math and Literature** Here are some suggestions of children's books that contain ideas about patterns. Read them together and talk about the patterns you find.

Angelou, Maya. *My Painted House, My Friendly Chicken and Me.*

Kassirer, Sue. *What's Next, Nina?* Math Matters series.

Pluckrose, Henry. *Math Counts: Pattern.*

Turpin, Lorna. *The Sultan's Snakes.*

