








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

Dear Family,

The activities below are related to the mathematics in the patterns, functions, and change unit, *Penny Jars and Plant Growth*.

You can use the activities to enrich your child's mathematical learning experience.

Changing Weather Look in the newspaper with your child at a multiday weather forecast. Talk about the predicted changes in temperature. Will the temperature stay constant? Will it increase or decrease suddenly? Predict what will happen after the last day of the forecast. Describe the trend in the weather.

	Mon	Tue	Wed	Thu	Fri
Forecast					
Temperature	HIGH	HIGH	HIGH	HIGH	HIGH
High	58°F	49°F	38°F	30°F	41°F
Low	42°F	39°F	31°F	24°F	28°F

Marble Jar Start with 4 objects in a jar (marbles, pennies, paper clips, or some other small objects). Each day, add 6 more of the same object. Help your child record how many are in the jar each day. Have your child predict how the pattern of objects in the jar will continue for the next few days. Repeat the Marble Jar activity with other numbers (start with 5 marbles and add 9; start with 100 marbles and subtract 6; etc.).

Number of days	Number of marbles
Start with	4
Day 1	10
Day 2	16
Day 3	22
etc.	

(continued)



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

Plant Height During this unit, students plant seeds and grow plants to explore change over time. They measure their plants' growth over time and use graphs to represent this growth. You and your child might enjoy doing a similar activity at home with a different kind of plant. Encourage your child to share with you the strategies used in class for measuring the plant and for keeping track of and representing the data. You might make a graph for the plant you grow at home and compare it to the graph made in school. Do the rates of growth differ? How? Why or why not?

Math and Literature You and your child can explore more math topics in this book. Look for a copy at your local library.

Schwartz, David. *G Is for Googol*.

