



Backpack-tivity:

An @Home Learning Activity

The Probability of Color

Introduction:

As you complete this activity, you'll learn about probability.

Materials:

You'll need a big bag of M&M's, a paper lunch bag, a pen or pencil, and this paper.

Directions:

Open the bag of M&M's and sort the candies according to color. Record the number of each color on the chart below.

COLOR	Red	Yellow	Green	Blue	Orange	Brown
M&M's in bag						
First test						
Second test						
Third test						
Fourth test						
Tests total						

Put the M&M's in the lunch bag. Predict how many of each color you'll choose if you grab a handful of M&M's. Write your prediction in the chart above.

Student: Without looking, take a handful of M&M's out of the bag. Record the amounts of each color on the chart above. Return the M&M's to the bag, take another handful and record the results.

Family Partner: Take a handful of M&M's out of the bag. Record the amounts of each color on the chart above. Return the M&M's to the bag, take another handful and record the results.

Talk About It:

Probability is the chance or likelihood that something will happen. Were your predictions correct about the probability of how many of each color of M&M's you'd choose?

Learn More:

Try the Virtual Coin Toss at <http://pbskids.org/cyberchase/games/probability>.

This activity was completed by _____ and _____.