



Probability Investigation

M & M's in a Cup

Warm-up:

Write down as many math words about probability as you can:

Pre-Experiment

You have a cup with ten M&M's in it. You are conducting an experiment involving chance and probability.

First, write down the colours and amount of M&Ms you have. (*i.e.*, green-2, brown-4)

_____	_____
_____	_____
_____	_____

The experiment will involve placing your hand over your cup, shaking your cup, and removing (without looking!) ONE M&M. Begin the experiment **after** you have completed the next question.

Now, using a probability word for each colour, write the chance of choosing each colour, knowing that you have ten trials. In other words, write a probability statement for each colour of M&M that you have.

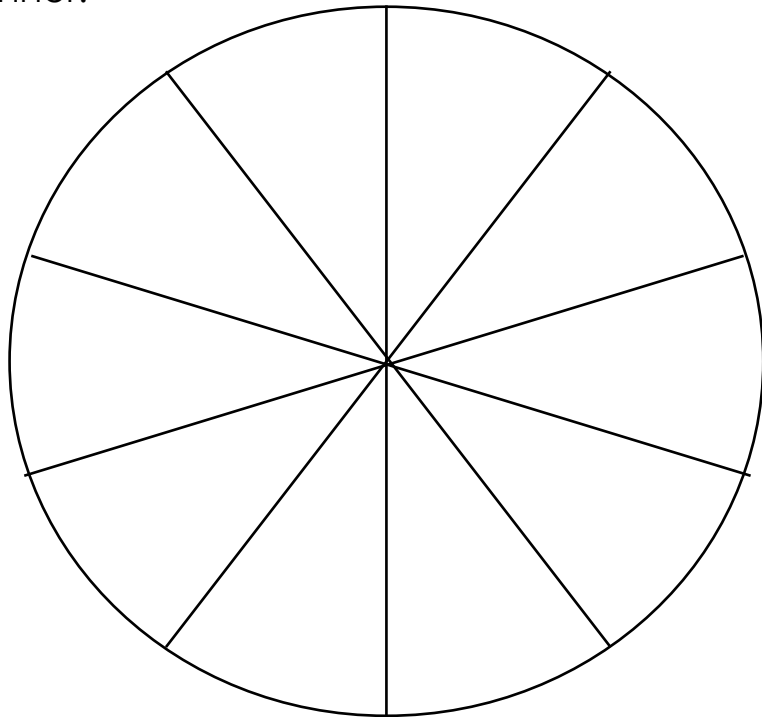
Experiment

Conduct the experiment: Place your hand over your cup, shake your cup, and remove (without looking!) **one** M&M. Record your results in the chart below. (You will need to add more lines to the chart.)

Remember to do this TEN times!

Post-Experiment

Once you have collected the results of your experiment, you will need to show the data on a spinner.



YOU MAY EAT
YOUR M&M CANDIES
WHILE YOU COMPLETE
THE FOLLOW-UP ENJOY!

Follow-up

Write three questions that could be answered by looking at your spinner. (Attach questions *and* answers on a separate page.)