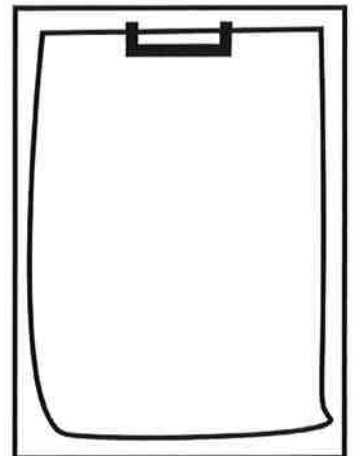


Probability with m & m's! (Smarties)

Created by Smart Chick Teaching Resources

This is an easy to use probability packet to help students as they work with a packet of plain m & m's ^{Smarties} candy. This packet is easy to follow and it always captures the kids' attention! A great activity to do during a DATA or PROBABILITY unit!



Probability with m&m's Candy (Smarties) Name _____

Explain the difference between theoretical and experimental probability.

Predict, without opening the bag, what colors and quantity of each are in your small bag of m&m's candy. (Smarties)

Open the bag without looking inside! Pull out one m&m and record what color it is, continue doing this 10 times. Be sure to place the ones you pulled back into the bag after every pull.

- | | | |
|-----|----|----|
| 1. | 2. | 3. |
| 4. | 5. | 6. |
| 7. | 8. | 9. |
| 10. | | |

Predict how many of each color m&m are in your bag. Use your data from above to formulate your guess.

Red _____ Orange _____ Yellow _____ Pink _____

Green _____ Blue _____ Brown _____ Purple _____

Check by dumping out your bag. Record the actual results below.

Red _____ Orange _____ Yellow _____ Pink _____

Green _____ Blue _____ Brown _____ Purple _____

How close was your prediction to the actual result? Record the data for each color.

Explain and create a double bar graph of your results.

Theoretical Probability

It is what should happen in a probability event based on reasoning and calculations.

If you roll a die six times, you should theoretically roll each number once.

Experimental Probability

It is what does
happen in a
probability event
based on what
actually happens.

If you roll a die six times,
you could roll any
combination of numbers.

Thanks for downloading this Freebie!

I use this probability packet during our data & probability unit. We also complete other activities! These candies are pretty cheap and easy to get for your classroom! You can get the m & m's candy just about anywhere! ☺

Looking for some additional m & m items?

Check out these products:

<http://www.teacherspayteachers.com/Product/Collection-of-Math-Activities-with-Plain-m-m-Candies>

<http://www.teacherspayteachers.com/Product/Statistical-Analysis-of-a-Standard-Package-of-Plain-m-ms-Candy>

The clipboard clip art by Graphics From the Pond and it can be found here:

<http://www.teacherspayteachers.com/Product/Clipboards-Graphics-Clipart-From-the-Pond>

Cover Frame by: Jen Jones—Hello Literacy

<http://www.teacherspayteachers.com/Product/Mixed-Up-Doodle-Borders-BlackWhite-Set-of-52>

Enjoy!

