# The **HOMESCHOOLDAILY**

**FREE** *educational resources and activities*

MARIE - CREATOR OF THE HOMESCHOOL DAILY

Hi! Thank you for your download. I'm so glad you were able to find a school tool you can use. Please feel free to use this activity for your own personal use or classroom. Hope it works out great!

♥ *Marie*

**YOU MAY:**

- Save the files on your computer and print off copies for your family or classroom whenever you would like.
- Link directly to my blog to share my files with others.
- Post to your blog using pictures of your child using my curriculum, as long as proper credit is given to www.thehomeschooldaily.com

**YOU MAY NOT:**

- Host or store my files on your own or other sites (this includes drop box, the cloud, and any other site off your personal computer)
- Alter or Sell files to make a profit. All files are for personal/classroom use only.
- All downloads are copyright protected. Not to be distributed, transferred, or shared in any form.
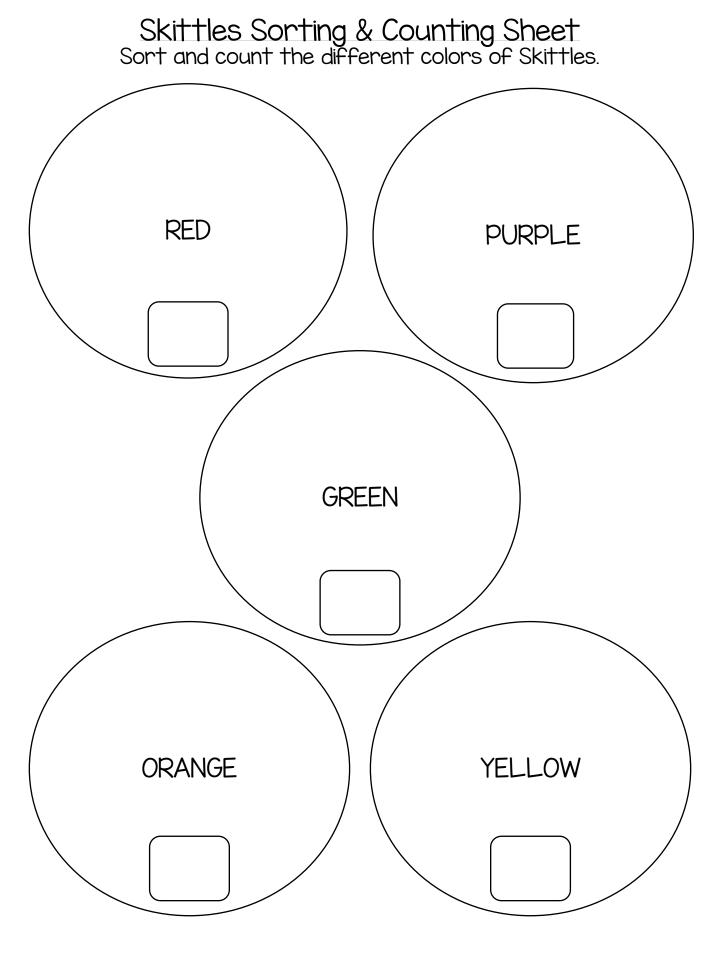
# FOR THE TEACHER...

*There are 4 lab sheets to the Skittles Graphing Lab to choose from. This will accommodate a family setting with several levels of difficulty or different level classroom settings. To create more candy lab fun, check out our M&M Science Labs too! Have fun and enjoy eating your science lab!* 😊



*\*How to convert percentages to an angle when creating a pie graph:*

*To convert the percentage of the different colored M&M's to an angle, you must first change the percentage to a decimal and then multiply by 360. This will give you an angle measurement. For example, if red was 30%, then move the decimal over 2 places to change it to .30. Next, you would multiply .30 by 360. This would give you an angle of 108. Once your student has found the angle, guide them to use a protractor to create the correct angle. Help them to label the M&M color with its percentage.*

# Skittles Sorting & Counting Sheet
Sort and count the different colors of Skittles.

RED

PURPLE

GREEN

ORANGE

YELLOW

# Skittles Lab Sheet
Predict, sort, count, record data, analyze, and make conclusions while investigating a bag of Skittles.

---

❑ Make Predictions:

• Prediction #1: What color do you think will be the most in the bag of Skittles? _____

• Prediction #2: What color do you think will be the least in the bag of Skittles? _____

• Prediction #3: How many Skittles do you think are in the bag?

_____

❑ Investigate, Sort, & Count

|  | RED | ORANGE | YELLOW | GREEN | PURPLE |
|---|---|---|---|---|---|
| # OF SKITTLES |  |  |  |  |  |

❑ Analyze and Draw Conclusions

1.) What color of Skittles was the most prevalent in the bag?
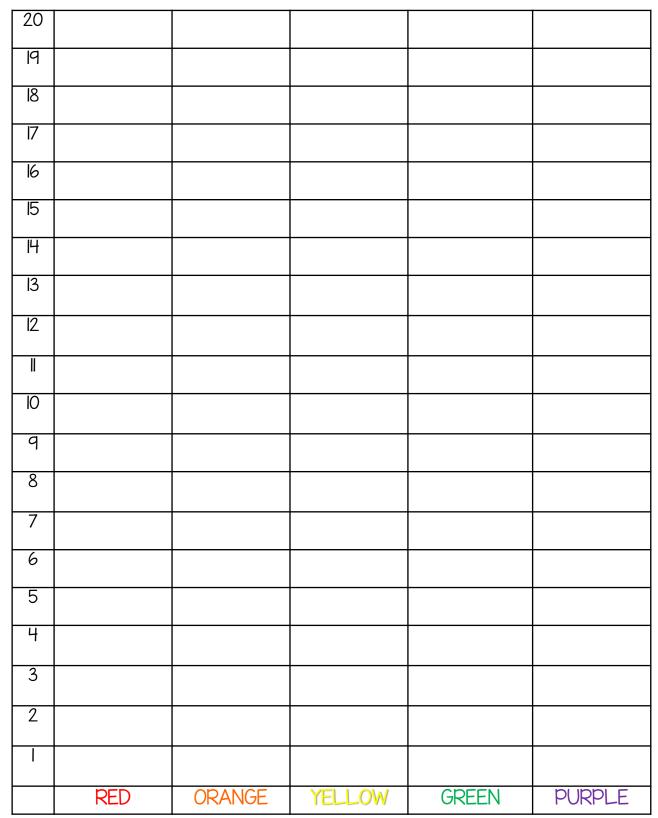
_____

2.) What color of Skittles was the least prevalent in the bag?

_____

3.) What was the total number of Skittles? _____

4.) Were any of your predictions correct? If so, which ones?

_____

_____

5.) Do you think that all bags have this same ratio? Why?

_____

_____

# Skittles Graph Lab Sheet
## Use the data collected to create a bar graph.

| Number of Skittles | | | | | |
|---|---|---|---|---|---|
| 20 | | | | | |
| 19 | | | | | |
| 18 | | | | | |
| 17 | | | | | |
| 16 | | | | | |
| 15 | | | | | |
| 14 | | | | | |
| 13 | | | | | |
| 12 | | | | | |
| 11 | | | | | |
| 10 | | | | | |
| 9 | | | | | |
| 8 | | | | | |
| 7 | | | | | |
| 6 | | | | | |
| 5 | | | | | |
| 4 | | | | | |
| 3 | | | | | |
| 2 | | | | | |
| 1 | | | | | |
| | RED | ORANGE | YELLOW | GREEN | PURPLE |

# Skittles Data Sheet
Use the data collected to convert data into percentages.

| (# OF COLOR/ TOTAL # OF Skittles) X 100 | |
|---|---|
| RED | (_____ /_____) X 100 = _____ |
| PURPLE | (_____ /_____) X 100 = _____ |
| ORANGE | (_____ /_____) X 100 = _____ |
| GREEN | (_____ /_____) X 100 = _____ |
| YELLOW | (_____ /_____) X 100 = _____ |

Use the data in the table to create a pie graph. Be sure to give your pie graph a title, label the percentages, and color your pie graph accordingly.

_____