



1. Without opening your package, try to figure out how many Skittles there are in the bag. _____
2. Open, count, and record your answer. _____
3. How far off was your original guess? _____
4. Put your Skittles into sets by color.
Let P stand for purple, Y for yellow, O for orange, G for green, and R for red.
5. Record the number of members you have in each set.
Set P: _____ Set Y: _____
Set O: _____ Set G: _____
Set R: _____
6. Use $<$, $>$, or $=$ symbols to show the relationship between sets.

a) P Y	b) Y R	c) R O
d) O G	e) G P	f) R Y
g) G R	h) Y O	l) P R
7. Solve the following mathematical problems:

a) $P + R =$	b) $G + Y =$
c) $Y \times (O + G) =$	d) $Y + (G + R)$
e) $(O \times P) + G =$	e) $G + O + P$
8. Write a fraction for each of the following: (Reduce)
 - a) The number of greens in your bag.

- b) The number of purples in your bag.
- c) The number of greens and yellows together in your bag.

9. Assume that each of the Skittle colors in your bag are assigned the following point values: R = $\frac{1}{2}$, Y = $\frac{1}{3}$, P = $\frac{1}{4}$, O = 1, and G = $1\frac{1}{2}$. What is the total point value for each color? (The number in the set times the point value.)

R = _____ Y = _____ P = _____
O = _____ G = _____

10. Using the total point values in question 9, find the following.
Range: _____ Mode: _____ Median: _____

11. Assuming that all things in the world are measured in Skittles, find the following measurements:

- a) The length of your pencil: _____
- b) The length of your little finger: _____

12. Use a ruler to find the answer to each of the following:

- a) The length (in inches) of a row of 15 Skittles _____
- b) The width (in millimeters) of one Skittle _____

13. Find and record the number of Skittles that 5 people had in their bag.

_____ _____ _____ _____ _____

14. Find the mean per bag using the information in question 13.

15. Write a research question about your Skittles. (Ex: Which is the favorite flavor of Skittles for 10 people in this room? or Do people in this room prefer M & Ms, Skittles, Starbursts, or Sweetarts?)

16. Create an appropriate graph using the information you just collected. Remember to include labels and a title.

17. EAT AND ENJOY YOUR SKITTLES!

