

I Deserve to Win Sweepstakes



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Car Data Sheet

Color	# of Cars	Comparison of this color to the/ Total number	Percentage
Black			
Blue (light & dark)			
Brown			
Gray/Silver (light & dark)			
Green/Teal (light & dark)			
Orange			
Pink			
Purple			
Red/Burgundy/Maroon			
Tan/Gold/Cream			
White			
Yellow			
Total	20		

Suppose all of these cars are in a parking lot. If one car leaves:

1. What is the probability of that car being black?
2. What color is the car most likely to be?
3. What color is the car least likely to be?
4. Describe a situation in which there is a **certain probability** of the car being a particular color.

Grading Rubric

	1	2	3	Student	Teacher
Data Collection	Little data collected	At least 50% of data collected	Complete data collected		
Comparison Recorded	Few comparisons recorded	At least 50% of comparisons recorded	Comparisons recorded completely		
Percentages Calculated	Few percentages calculated	At least 50% of percentages calculated	All percentages calculated		
Interpret Data	Unable to identify most likely, least likely, and certain events	Somewhat able to identify most likely, least likely, and certain events	Correctly able to identify most likely, least likely, and certain events		
Create Data Spreadsheet	Less than 50% of data included to create spreadsheet	At least 50% of data included to create spreadsheet	Complete spreadsheet created		
Bar Graph Created	Less than 50% of data included to create bar graph	At least 50% of data included to create graph	Complete bar graph created		