

STUDENT NAME Lisa

STATISTICAL PROBABILITY OF M&M CANDIES

1. What is the mass of one M&M candy? 1g
What is the mass of your bag of M&M candies? 46.5
Using the space below estimate how many M&M candies are in your bag of M&M's.

65

2. Using your bag of M & M's, fill in the tally of each color in the chart below. Compute the frequency of each color, its simple probability and rate of percent.

THEORETICAL PROBABILITY

COLOR	TALLY	FREQUENCY	PROBABILITY	PERCENT
Red	<u> </u> <u> </u> <u> </u>	<u>15</u>	$\frac{15}{65}$	<u>23%</u>
Orange	 <u> </u>	<u>5</u> <u>5</u>	$\frac{5}{65}$	<u>07%</u>
Green	<u> </u> <u>1</u>	<u>6</u>	$\frac{6}{65}$	<u>09%</u>
Yellow	<u> </u>	<u>3</u>	$\frac{3}{65}$	<u>04%</u>
Brown	 	<u>30</u>	$\frac{30}{65}$	<u>46%</u>
Blue	<u>0</u>	<u>0</u>	$\frac{0}{65}$	<u>0%</u>

TOTAL NUMBER OF M & M'S

3. Compare your prediction in question #1 to the actual number of M&M's you have in your bag. Did you overestimate or underestimate? Would you consider your estimate to be "good"? Explain.

good over estimate
the actual is 59