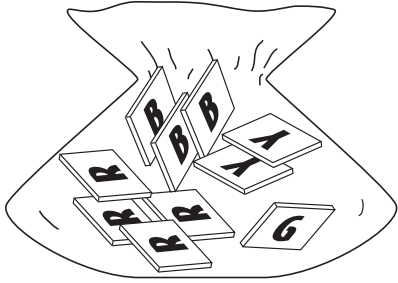


Bag of Colors Recording Sheet

<p>R=red B=blue Y=yellow G=green</p> 	<p>Step 1: Count the number of red tiles. Step 2: Count all the tiles. Step 3: Write a fraction. <u>Number of red tiles</u> = <u> </u> Total number of tiles The Theoretical probability of picking a red tile is $\frac{4}{10}$</p>
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Use the following steps to complete the table:

- Step 1: Decide how many times you are going to conduct the experiment.
 Step 2: Write down the number and color of each tile.
 Step 3: Write the Theoretical Probability fraction for each color.
 Step 4: Pull out one tile at a time, tally the result; remember to replace the tile in the bag.
 Step 5: After conducting the experiment, write the fractions for the actual outcomes.

Step 1: Total number of events:_____	Theoretical Probability	Experimental Probability	
Step 2: Objects	Step 3: Write the Fraction	Step 4: Tallies	Step 5: Write the Fraction

How did the Theoretical Probability compare to the Experimental Probability?

THINK ABOUT IT: What could you do to bring the Experimental Probability results closer to the Theoretical Probability results?
