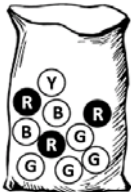


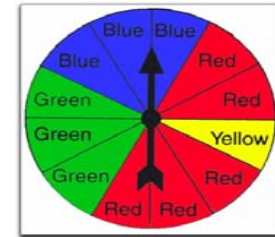
1 If you grab one marble from the bag without looking, how would you describe the probability of pulling out a blue marble? Name a color that you are more likely to pick than blue. Explain.



2 You're playing a game with your friends using the spinner below. How would you describe the probability of the spinner landing on green? How do you know?



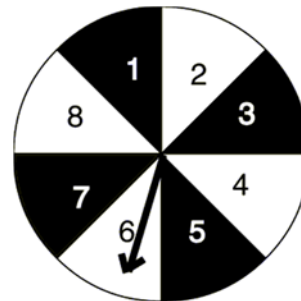
3 The spinner below is used in a game you are playing in Math class. How would you describe the probability of spinning a red or a green? How do you know?



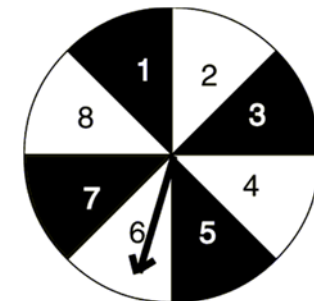
4 Melissa has the following stickers in her collection. If she pulls one out of her bag without looking, what is the probability that she will pull out a pink triangle? Is this more or less likely than pulling a blue square? Explain.



5 Using this spinner, what is the probability of spinning an odd number? How do you know?



6 Based on this spinner, what is the probability of spinning a number greater than 9? How do you know?



7 How many different combinations of outfits can you make?



8 Your mom is taking you to Sweet Frog for your birthday! You can choose vanilla, chocolate, or cake batter ice cream. Your topping choices are sprinkles, cherries, chocolate syrup, or gummy worms. If you only choose one ice cream flavor and one topping, how many combinations can you make?

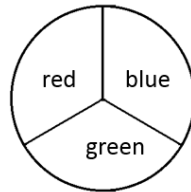


9



If you flip the set of coins shown above one time. What are all the possible combinations that you could get?

10



If you roll the dice one time and spin the spinner one time. What are all the possible combinations you could get?

11



A'mor rolls the number cubes seen above one time. What are ALL the possible outcomes he could roll?

What number has the highest probability of being rolled?

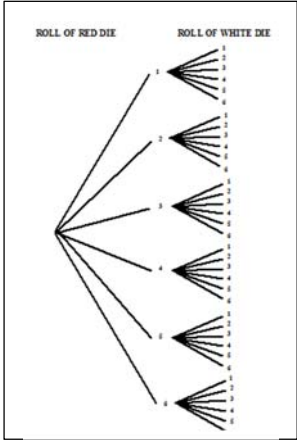
12

Your team has several options for uniforms.
Pants: Shorts or Windbreakers

Jerseys: Red, White, Black, Striped

How many possible combinations can you make with your choices?

Answer Key

<p>1</p> $\frac{2}{10} \text{ or } \frac{1}{5}$ <p>Choosing green would be more likely than choosing blue</p>	<p>2</p> $\frac{3}{12} \text{ or } \frac{1}{4}$	<p>3</p> $\frac{8}{12} \text{ or } \frac{3}{4}$	<p>4</p> $\frac{3}{12} \text{ or } \frac{1}{4}$ <p>Less likely</p>		
<p>5</p> $\frac{4}{8} \text{ or } \frac{1}{2}$	<p>6</p> <p>0 or impossible</p>	<p>7 27 combinations</p>	<p>8 12 combinations</p>		
<p>9</p> <p>Penny heads, dime heads Penny heads, dime tails Penny tails, dime heads Penny tails, dime tails</p>	<p>10</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"> <ul style="list-style-type: none"> 1, red 1, green 1, blue 2, red 2, green 2, blue 3, red 3, green 3, blue </td> <td style="width: 50%; border: none;"> <ul style="list-style-type: none"> 4, red 4, green 4, blue 5, red 5, green 5, blue 6, red 6, green 6, blue </td> </tr> </table>	<ul style="list-style-type: none"> 1, red 1, green 1, blue 2, red 2, green 2, blue 3, red 3, green 3, blue 	<ul style="list-style-type: none"> 4, red 4, green 4, blue 5, red 5, green 5, blue 6, red 6, green 6, blue 	<p>11</p> 	<p>12</p> <p>8</p>
<ul style="list-style-type: none"> 1, red 1, green 1, blue 2, red 2, green 2, blue 3, red 3, green 3, blue 	<ul style="list-style-type: none"> 4, red 4, green 4, blue 5, red 5, green 5, blue 6, red 6, green 6, blue 				

Answer Document

Name _____

1	2	3	4
5	6	7	8
9	10	11	12