

four-color spins

In this experiment, you will be spinning the four-color spinner 20 times. As you can see, there are four possible outcomes (red, yellow, green, and blue).

Use the table below to record your results. Mark an "x" in the appropriate column after each spin.

Start the experiment and Spir!!!

# of	Red	Yellow	Green	Blue
Spins	· .			, , , , , , , , , , , , , , , , , , , ,
1	,			
2				
3				
4				-
5				
6				
7				
8			, , , , , , , , , , , , , , , , , , , ,	
9			-	
10				
11	, , , , , , , , , , , , , , , , , , , 			-
12				
13				·
14				
15				
16				
17				
18				
19				
20				

1. Count the total number of spins that were red. results below by filling in the blanks.	How many spins were red?	Record your
# of red spins =	# of blue spins = total spins	

This is called experimental probability because you have performed the experiment. Find experimental probability in your textbook and record the definition on your vocab sheet.

- 2. Look at the spinner. What is the chance of spinning red? Give your answer as a fraction, decimal, and a percent.
- 3. What is the chance of spinning green? Blue? Yellow?

total spins

- 4. Is the outcome of spinning a red as likely as the outcome of spinning a green? Why or why not?
- 5. This is called theoretical probability because it relies only on the facts. Find theoretical probability in your textbook and record the definition of your vocab sheet.
- 6. Based on your findings, what is the difference between experimental probability and theoretical probability?

