



Simulations: Designing a Simulation

When a student is picked at random, this spinner can be used as a simulation that estimates the probability of the student's favorite color. What are the theoretical probabilities of the possible outcomes?



Drag and Drop your answers to correctly complete the sentence.

50% of students' favorite color is , 25% of students' favorite color is , 20% of students' favorite color is , and 5% of students' favorite color is .

A survey of students was conducted to find their favorite color. The random number generator below can be used to simulate the probability of randomly selecting a student that has a favorite color of red, yellow, green, or blue.

Red: 0, 1

Yellow: 2

Green: 3, 4, 5, 6

Blue: 7, 8, 9

Drag and drop your answers to correctly complete the sentence.

According to this simulation, the survey found that 40% of the students chose , 30% of the students chose , 20% of the students chose , and 10% of the students chose as their favorite color.