

Skittles Lab

Work in groups of two or three persons

1. Collecting Data

1. First person takes 10 skittles at random and records how many are red. Return all skittles to the bowl and mix them up.
 2. Second person takes 20 skittles at random and records how many are red. Return all skittles to the bowl and mix them up.
 3. Third person takes 30 skittles at random and records how many are red. Return all skittles to the bowl and mix them up.
 4. Continue taking turns until the last person has chosen and processed 100 skittles.
2. Draw a graph of your data.
 3. Find the Line of Best Fit
 4. Find the rate of change of the Line of Best Fit
 5. Write an equation for the number of red skittles as a function of total skittles.
 6. Write an explanation for the function.
 7. Make a system dynamics model of the function.