

Probability of Choosing a Red Tile-

Probability of pulling a red tile (from red and blue): You will create a line plot illustrating how many times you and your classmates pulled a red tile from a bag from a total of fifty times. There are three scenarios:

- The first time, there are 10 red and 10 blue tiles in the bag (an equal amount). What is the probability of pulling a red tile this time? Tally the number of times you pull each type of tile. You can do this with a partner- he or she can tally your results while you pull. Then we will graph the results on a line plot with an x.
- The second time, there are 5 red and 15 blue tiles in the bag. Which color do you think you will pull more? Do the same as the first time (pull fifty times and tally), yet we will graph the results on the line plot with a circle.
- The last time, there are 15 red and 5 blue tiles in the bag. Which color do you think you will pull more? Repeat what you did the first two times. We will graph the results this time with a triangle.
- We will now look at the line plot to see where the concentration of x, circles, and triangles are.
- You can complete a 3-2-1 entry in your journal (3 observations, 2 inferences, and 1 variable).