

Name \_\_\_\_\_

Date \_\_\_\_\_

## Probability of Chance Events - Guided Lesson

**Complete the following problems:**

**1) Jackson has a bag that contains 5 blue socks, 7 pink socks, and 8 yellow socks.**

**Jackson removes a single sock from the bag 50 times. Each time he records the color of the sock that is drawn. He replaces the socks into the bag before the next draw.**



**How many blue socks would be expected to be drawn if 1000 pulls are conducted?**

**10,000 pulls?**

**2) A bag contains 100 mixed apples and bananas. Without looking, you choose a fruit out of the bag. You record the fruit and then place that fruit back in the bag. You recorded 14 apples and 16 bananas over 30 pulls from the bag. Using these results, predict the number of apples in the bag.**

**3) Benjamin and Emily want to play Goldfish with cards. They want to decide who gets to throw the first card; so they decide to flip a coin. What is the relative frequency a standard two sided coin flip?**

