

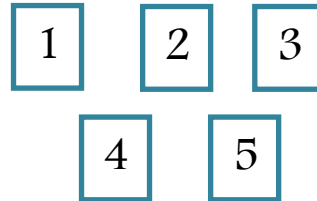
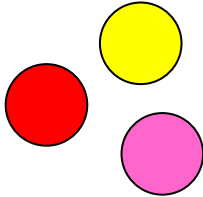
Name \_\_\_\_\_

Date \_\_\_\_\_

### Generate Frequencies Through Design - Guided Lesson

Complete the following problems:

1) Joey picks a color dot and a card. How many outcomes are possible?



2) Isaac plays a game. He rolls a die and spins the spinner below. How many outcomes are possible?



3) Time to create a tree diagram.

a. How many ways can you arrange the letters of the word "JOHN"?



b. You write each letter of the word "JOHN" on a piece of paper and draw them out of a hat at random. What is the probability of drawing the letters "J-O-H-N" in that exact order? Every time you draw a letter, you place it back in the hat before the next draw.

