

Name: _____

Probability Challenge 3: Beads Challenge II



Procedure:

Inside the bag there are 30 beads: 15 yellow and 15 pink. Without looking into the bag, try to correctly predict the color of the next bead you pull out of the bag.

1. Take a sack of pink and yellow beads (pre-prepared) from the Quest Materials Area.
2. Make and log a prediction, and then pull 1 bead from the bag. Below, record the color of the bead you pulled and whether your prediction was correct.

Color predicted: _____

Color pulled: _____ Prediction (circle one): Correct Incorrect

Do not place the bead back into the bag. Place it aside..

3. Keeping in mind that you began with 15 beads of each color, and keeping in mind the bead you have already chosen, make a prediction for the color of the next bead you will pull out and record it below.

Color predicted: _____

Now pull the next bead out of the bag. Below, record the color and whether your prediction was correct.

Color pulled: _____ Prediction (circle one): Correct Incorrect

Do not place that bead back into the bag either. Place it, too, aside. Keep the beads you pulled out of the bag each time.

4. Continue step 2 until you have pulled all of the beads out of the bag.

Color predicted: _____

Color pulled: _____ Prediction (circle one): Correct Incorrect

Color predicted: _____

Color pulled: _____ Prediction (circle one): Correct Incorrect

Color predicted: _____

Color pulled: _____ Prediction (circle one): Correct Incorrect

Color predicted: _____

Color pulled: _____ Prediction (circle one): Correct Incorrect

Color predicted: _____

Color predicted: _____

Color pulled: _____ Prediction (circle one): Correct Incorrect

Color predicted: _____

Color pulled: _____ Prediction (circle one): Correct Incorrect

Color predicted: _____

Color pulled: _____ Prediction (circle one): Correct Incorrect

Color predicted: _____

Color pulled: _____ Prediction (circle one): Correct Incorrect

Color predicted: _____

Color pulled: _____ Prediction (circle one): Correct Incorrect

Color predicted: _____

Color pulled: _____ Prediction (circle one): Correct Incorrect

Color predicted: _____

Color pulled: _____

Prediction (circle one): Correct

Incorrect

Color predicted: _____

Color pulled: _____

Prediction (circle one): Correct

Incorrect

Color predicted: _____

Color pulled: _____

Prediction (circle one): Correct

Incorrect

Color predicted: _____

Color pulled: _____

Prediction (circle one): Correct

Incorrect

Color predicted: _____

Color pulled: _____

Prediction (circle one): Correct

Incorrect

Color predicted: _____

Color pulled: _____

Prediction (circle one): Correct

Incorrect

Color predicted: _____

Color pulled: _____

Prediction (circle one): Correct

Incorrect

Color predicted: _____

Color pulled: _____

Prediction (circle one): Correct

Incorrect

Color predicted: _____

Color pulled: _____

Prediction (circle one): Correct

Incorrect

Color predicted: _____

Color pulled: _____

Prediction (circle one): Correct

Incorrect

Color predicted: _____

Color pulled: _____

Prediction (circle one): Correct

Incorrect

Color predicted: _____

Color pulled: _____ Prediction (circle one): Correct Incorrect

Color predicted: _____

Color pulled: _____ Prediction (circle one): Correct Incorrect

Color predicted: _____

Color pulled: _____ Prediction (circle one): Correct Incorrect

Color predicted: _____

Color pulled: _____ Prediction (circle one): Correct Incorrect

Color predicted: _____

Color pulled: _____ Prediction (circle one): Correct Incorrect

Color predicted: _____

Color pulled: _____ Prediction (circle one): Correct Incorrect

Color predicted: _____

Color pulled: _____ Prediction (circle one): Correct Incorrect

Did you get better or worse at making predictions as you pull more and more beads out of the bag? Why or why not?

When you finish:

1. Put the beads back in the bag.
2. Gently tie the sack so the beads are secured inside.
3. Return the bag to the Quest Materials Area.
4. Submit this challenge sheet to receive your token.