

## **Task: Stumbling Around in the Dark, aka Investigating**

### **Set up:**

1. Break students into small groups.
2. Give each group pom-poms and a box.

### **Instruct students to:**

3. Pick FOUR colours and put all of each of those colours them into their box.
4. Draw pom-poms until they get a pair.
5. Note how many they had to draw to get a pair.
6. Repeat the experiment a few times until they're convinced they've encountered the worst case.
7. Try the same experiment with five or six colours.