

**Second Task: Stumbling Around in the Dark, aka Investigating.**

- 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.