1. Socks in the Dark
2. Choose a Solution
3. The odds of getting a matching pair on initial selection are 25% in favor of black. There is a 50% chance of getting a black sock on each selection, needing to do so moves your odds to 25% (There is a 9% chance of getting brown alone, and 4% for white alone)
4. For fun, I believe the best chances you have of sequentially selecting a pair of black socks followed by a pair of brown socks followed by a pair of white socks is 9/100% (0.09%) I did this by compounding the chances. 25%\*9%\*4%
5. Predicting Fingers

10 = Index 100 = Ring 1000 = Index