

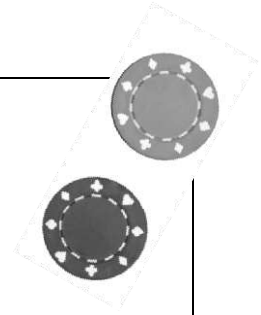
The 2-Color Counter Game

MATH 181 with Joe Champion

Instructions: 2-color counters are discs with different colors on the two faces. 2-color counters are used to represent and compute with positive and negative numbers.

Game Rules:

- This is a two-player (one-on-one) game.
- At each *round* of play, players close their eyes, simultaneously use one hand to grab some 2-color counters, and lay the 2-color counters on the table.
- The player with the greatest value on the table wins the *round*.
- The winner is the first person to win at least 4 rounds with a lead of 2 rounds or more.



1. Play the game against a classmate. Who won the game? What was the score?
2. Did you have any strategy in the game? If so, what was it?
3. Jesse's strategy for playing the 2-Color Counter Game is to always choose only a few counters. Benny always grabs as many counters that he can fit in his hand. What are the potential strengths and weaknesses of these two strategies?
4. Is it possible for players to "tie" in a round of the game? Justify your answer.
5. If you draw 5 counters, what scores are possible?
6. If you draw 6 counters, what scores are possible?
7. If you draw 10 counters, what scores are possible?
8. If you draw 21 counters, what scores are possible?
9. If you draw n counters, what scores are possible? Explain.