Swag Worksheet
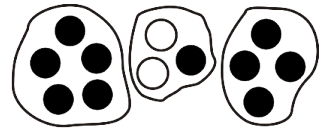## Why the *Swag* Strategy Works

Name _____*Answer Key*_____

You have just completed your turn, and it is now your opponent's turn. He or she is faced with 5 coins, 1 coin and 4 coins. Let's see why you are now guaranteed of being able to create another winning pattern on your next turn.

What are your opponent's options when faced with the 5-4-1 pattern? Then what should your next move be? And finally, what is the resulting pattern?

Row 1 shows that your opponent could take 1 coin from the first bag (the coin with the white X). Then your correct move is to take 1 coin from the second bag (shown as the coin with the two white slashes), which results in the winning pattern 4-4.

Row 2 shows that your opponent could take 2 coins from the first bag. Then your correct move is to take 2 coins from the third bag, which results in the winning pattern 3-2-1.

The rest of the rows need to be filled in to show the rest of your opponent's possible moves when faced with the 5-4-1 pattern, what your move should then be and what the final result would be. You can use a marker or highlighter to identify the coins that are being removed and then color in the remaining coins in the last column.

	Opponent's Move	My Move	Result	
1.				4-4
2.				3-2-1
3.				3-2-1
4.				1-1
5.				1-1
6.				4-4
7.				3-2-1
8.				3-2-1
9.				1-1
10.				1-1