

Appendix 2-B

Connect Four - Adding Small Integers

1	4	2	5	3	-9	12
10	-1	-4	-2	-5	-11	11
-10	6	7	8	-7	-3	3
-9	0	4	-3	-4	2	0
-2	10	1	-8	-9	-1	9
-8	5	0	8	-12	-10	-6

-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6
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### **Rules for Connect Four**

Each pair of players needs two paper clips and about 10 counters in each of 2 colors for a total of about 20 counters. Each pair of players will also need a copy of the game board. Alternatively, they can mark directly on the game board, with each player using a different color of pencil or one person using X's and the other using O's.

The player that starts, places the paper clips on two numbers on the strip of numbers below the game board. That player then uses one of his/her colored counters to cover the sum of those two numbers on one square of the game board. The second player moves exactly **one** of the paper clips to make a second sum. The second player then places his/her counter on the sum of the two numbers on the game board. Play alternates until one player connects four of his/her own color either horizontally, vertically, or diagonally.

Of course, players will want to block each other so there can be a lot of strategy involved in playing the game.