

Got Your Number

Level C

Jean and Ford are playing a game. They each have a deck of six cards with just the numbers 1 through 6.

After they each mix up the cards, they put them into a pile.

The goal of the game is to make the largest three-digit number.

- The first player picks the top card and places the number in either the ones, tens, or hundreds place.
- The second player then picks a card and has the same options.
- Once a card is put in a location, it cannot be moved.
- Players continue playing until all the places are filled.
- When each has created a three-digit number, determine which player has the largest number.
- That player is the winner!

Note: The players are not able to see the other player's cards or placement until all three of their cards are drawn and played.

Play the game several times. Keep track of the results.

Write a detailed strategy for this game.

Given specific cards, explain where you would put that number to insure the best probability of winning. Be thorough in developing a strategy.

For example, if you drew a 4 as your second card, where would you put it? Of course, you would need to explain options depending on where your first card is placed.

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Manipulatives







