

MasterMind Game

The object of the game is to figure out a secret number using as few guesses as possible.

Rules:

One person thinks of a two or three digit number. The other players try to figure out what the secret number is by using some very specific clues. **No digits are repeated within the secret number and no secret number begins with 0.**

A player makes a guess and the person with the secret number responds with two values. **The first value (digit) stands for the number of correct digits in the guess. The second value (place) stands for the number of correct digits of the guess that are in the correct place.** The players continue to make guesses and receive responses until they know what the secret number is.

Purpose:

Our purpose is to give logical arguments to support conjectures (guesses), so be prepared to explain why you think your guesses are reasonable.