Getting to One

From Everyday Mathematics, Grade 4, 7-10

Student Reference Book, p. 248

Object of the game: To guess a mystery number in as few tries as possible

Directions:

1. Player 1 chooses a mystery number between 1 and 100.
2. Player two guess a number.
3. Player 1 uses a calculator to divide Player 2’s guess by the mystery number. Player 1 reads the calculator display. (Only the first 2 decimal places are read.)
4. Player 2 continues to guess until the calculator result is 1. Player 2 keeps track of the number of guesses.
5. After player 2 guesses correctly, the players switch roles and play again. The player to use the fewest number of guesses wins the round. The first player to win 3 rounds wins the game.

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| In | Out | Should the next guess be higher or lower? |
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