QUESTION FOR JOURNAL ENTRY # 3

TUESDAY, SEPTEMBER 27, 2010

From "Once Upon A Number: The Hidden Mathematical Logic Of Stories" by J. A. Paulos.

Consider the following magic trick.

The magician says 'Pick a number between 1 and 10. This is your magic number.' Then the magician takes a shuffled deck of cards and lays them down. He asks you to count out the cards until you reach your magic number, the card now showing is your new magic number. Continue to count out your magic number of cards and when you reach that number you get a new magic number. Stop when you get to the end of the deck. The magician then calls out your magic number.

How does it work?