

Conduct this experiment.

1. Place 10 red cards and 10 black cards face down in separate piles.
2. Choose some cards at random from the red pile and mix them into the black pile.
3. Shuffle the mixed pile.
4. Return the same number of random cards (face down) from the mixed pile to the red pile.

Are there more red cards in the black pile or black cards in the red pile?

Make a conjecture about the number of each type of card in each pile.

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