



Materials: deck of cards.

- recoccesses and Representation • Work with a partner to play this game.
 - Decide who will collect hearts and who will collect kings.
 - Shuffle the cards and leave them face down in a pile.

• Take turns flipping over a single card. If you are collecting hearts and you flip over a heart then you get to keep the card. Otherwise you discard it.

• Take turns flipping over cards looking for your type of card until all cards have been claimed or discarded. The player who collects the most cards in his/her set is the winner.

Answer the auestions:

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- are you more likely to draw a heart or a king.
- is it likely or unlikely that you will draw a king?
- should you expect to draw a heart every turn?

With which spinner will you probably spin a 1? With which spinner are you likely to spin a 2?







You are likely to spin a 1 with the third spinner. You are likely to spin a 2 with the second spinner.

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What do the words

"probably" and

"likely" mean?

Guess & Chëck

Have the students sort the cards into piles: hearts, kings, king of hearts, neither hearts nor kings. Which pile is biggest? smallest?

How does this help explain what you are likely to draw?



Play the game again, this time drawing for 'red' cards and 'black' cards.

How do the results of this game compare to game described above? Which game could be described as fair? How do you know?



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