

At the beginning of Guy Ritchie's cult hit, *Lock, Stock, and Two Smoking Barrels*, the main character, Eddy, gets trapped in a (rigged) poker game set up by the villain, "Hatchet" Harry: while all the players are dealt one card face up, and two face down, Eddy's "down cards" sit directly above a hidden camera.

After a few rounds of play, Eddy is eventually caught in a hand against Harry. He holds

$10\spadesuit$ face up, and $6\heartsuit, 6\clubsuit$ face down,

while Harry's hand shows

$9\spadesuit$? ?

The five hundred thousand dollar question (as it happened) Eddy faced was this:

What are the odds that Eddy's hand is the better one?

Come to the math circle this Sunday to find out... and to learn how to attack similar gambling-type problems using probability.