We have that:

If the first card drawn is a 10, then there are $P_9^2 = \dfrac{9!}{(9-2)!} = 9 \cdot 8 = 72$ hands;

If the second card is a 10 then there are 9 possible numbers for the first card and 8 possible numbers for the third card, it gives us $9 \cdot 8 = 72$ hands;

If the third card is 10 then there are 9 possible numbers for the first card and 8 possible numbers for second card, it gives us $9 \cdot 8 = 72$ hands;

And there are 5 odd cards, and it gives us: $P_5^3 = \dfrac{5!}{(5-3)!} = 5 \cdot 4 \cdot 3 = 60$ hands.

So, we have that in total we have $72 + 72 + 72 + 60 = 276$ winning hands.

In total we have: $P_{10}^3 = \dfrac{10!}{(10-3)!} = 10 \cdot 9 \cdot 8 = 720$ possible hands. So, the chance that we will win is $\dfrac{276}{720} \approx 0.383.$

<u>Answer:</u> total number of winner hands is 276. The chance that I will win is $\dfrac{276}{720} \approx 0.383.$