

General and Misc. Questions

Information on the gambling house

(Cheshire's Note: This was originally written on 8/28/05 but to the best of my knowledge, the gambling house has not changed and thus this information should still hold true)

Possible Dicing Rolls: 36 Total Rolls

1,1=2

1,2=3

1,3=4

1,4=5

1,5=6

1,6=7

2,1=3

2,2=4

2,3=5

2,4=6

2,5=7

2,6=8

3,1=4

3,2=5

3,3=6

3,4=7

3,5=8

3,6=9

4,1=5

4,2=6

4,3=7

4,4=8

4,5=9

4,6=10

5,1=6

5,2=7

5,3=8

5,4=9

5,5=10

5,6=11

6,1=7

6,2=8

6,3=9

6,4=10

6,5=11

6,6=12

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Games: Win: Chance: Pay:

Happy Dice Total: 4,6,9,10,11 47% 2:1

Lucky Dice Total: 5,8,11 31% 3:1

Dragon wink Any 1s 31% 3:1

Poor Cousin Total 3,4 14% 7:1

Fallen Angel Pair 2s,3s,5s 8% 11:1

Troll Hands Pair 6s 3% 35:1

Now this means that while playing Fallen Angel(number of marks betting doesn't matter), as long as you win once every 11 games, you aren't going anywhere. You win more than once every 11 games and you are making profit. This also works for Troll Hands. As long as you win Troll Hands once every 35 games, you are steady. Now, that 3% means 3:100(or 3/100). But it DOES NOT mean that you WILL win 3 times every 100 games. It means that it's close to what should happen. Conversely, it means that your chance for each individual game is 3 percent. If you were really lucky you could win Troll hand 7 times in a row. Or if you were unlucky you could lose 1000 games straight.

I have a reason to believe that Troll Hands is the best game to play. Even though this goes against what I said in the previous paragraph. Let's assume that 3/100 means that you will win 3 games out of every 100. You only have to win once every 35 games to stay even. In every game you lose, your chances of winning the next game become greater. With this said, in 35 games that probability would have increased from 3/100 to 105/100. ($3 \times 35 = 105$). This ensures a win once every 34.5 games. Which means every 20 games you would get an extra win, aside from your original course of winning. Now assuming that the previously stated rule is correct, here are the chances for all of the games:

Games Chance Pay New Chance

Happy Dice 47% 2:1 ($47 \times 2 = 94\%$)

Lucky Dice 31% 3:1 ($31 \times 3 = 93\%$)

Dragon wink 31% 3:1 ($31 \times 3 = 93\%$)

Poor Cousin 14% 7:1 ($14 \times 7 = 98\%$)

Fallen Angel 8% 11:1 ($8 \times 11 = 88\%$)

Troll Hands 3% 35:1 ($3 \times 35 = 105\%$)

Unique solution ID: #1033

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Last update: 2006-07-07 16:29