

PROBABILITY AND LUCK DATA SHEET

YC/PL/1/1117

THE ODDS OF WINNING - LOTTO TICKETS

Numbers Matched	Odds Of Winning
6 main numbers	1 in 45,057,474
5 main numbers + Bonus Ball	1 in 7,509,579
5 main numbers	1 in 144,415
4 main numbers	1 in 2,180
3 main numbers	1 in 97
2 main numbers	1 in 10.3

IMPROVING THE ODDS

Roulette and other games of chance



No matter what occurs on previous rolls or spins the outcome of the next roll or spin is totally independent. Each spin is a separate event. You cannot improve the odds of winning a game of chance such as roulette.

THE HOUSE EDGE

Every casino game has an inherent advantage for the casino known as the 'house edge'. This percentage represents how much the casino expects to make from every betting unit wagered. E.g. if you bet £1 in a game of (double zero) Roulette, you're expected to lose about 5p.

Game	House Edge
Craps (double odds)	0.60%
Blackjack	0.80%
Baccarat (banker)	1.17%
Baccarat (player)	1.63%
Pai Gow Poker	2.5%
Roulette (single zero)	2.7%
Three-Card Poker	3.4%
Let It Ride	3.5%
Sports Betting	4.5%
Caribbean Stud Poker	5.26%
Roulette (double zero)	5.26%
Big 6 Wheel	11.1% to 24%
Keno	25%



After increasing the number of balls from 49 to 59 in October, the National Lottery organisers reduced **the odds on anyone's six numbers coming up from 1 in 14 million to 1 in 45 million.**



Being crushed by a meteor is considerably more likely than winning lottery, **with odds of 1 in 700,000.**



Things falling from the sky and killing you are just generally a more likely outcome than winning the lottery. **There's a 1 in 10 million chance you'll die from being hit by a falling plane part..**



Getting hit by lightning is almost 4 times more likely than winning the lottery. The chances of being fatally struck is **1 in 10 million.**



You're 45 times more likely to die from flesh eating bacteria than securing the jackpot. The odds are **1 in 1 million.**



If you think you have what it takes to be the next Tim Peake, there's a **1 in 12 million chance you'll become an astronaut.**



Giving birth to identical quadruplets is also more likely than winning the lottery. **The odds are 1 in 13 million.**



The chance of you winning an Oscar is **1 in 11,500.** That's right, you're more likely to win an Oscar than have a winning lottery ticket.



Winning an Olympic gold medal is 75 times more likely than successfully guessing all six numbers correctly. It's a **1 in 662,000 chance.**

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