



Effective: February 27, 2017

ADDENDUM OFFICIAL GAME RULES  
Pick-4 Game Rules  
Pick-4 FIREBALL

The following rules have been adopted by the New Jersey State Lottery Commission pursuant to the authorization contained in N.J.S.A. 5:9-7 as an addendum to the rules governing the Pick-4 Game and pursuant to 2(g) of Official Rules to govern the operation of the "Pick-4 FIREBALL" feature.

Unless otherwise defined or the context clearly indicates otherwise, all capitalized terms used in this Addendum shall have the same meaning as defined in the Official Pick-4 Game Rules. The FIREBALL option will be administered under the Pick-4 Game Rules except as herein provided. The additional rules are as follows:

**1. DEFINITIONS**

- a) FIREBALL Number – means an additional number drawn from 0-9 that can be used to replace any one (1) of the four (4) Lottery drawn Pick-4 winning numbers to make the FIREBALL winning combinations.

**2. GAME PLAY**

- a) The FIREBALL Number can be used to replace any one (1) of the four (4) Lottery drawn Pick-4 winning numbers to create FIREBALL winning combinations. If a player chooses to play FIREBALL and the player's numbers on a ticket matches any of the FIREBALL winning combinations for that drawing, the player wins the FIREBALL Prize, as determined by the Pari-Mutuel formula.
- b) The FIREBALL option may be purchased for the same price as the base Pick-4 Bet, thereby doubling the cost of the Bet. The FIREBALL option may be purchased for a minimum of \$0.50 on a \$0.50 Pick-4 Bet.
- c) The FIREBALL option may be purchased with any available Pick-4 Bet Type. The FIREBALL option cannot be played independently of a Pick-4 Bet Type.
- d) The FIREBALL Number will be drawn immediately following the Pick-3 and Pick-4 Drawings in a matter determined by the Director.
- e) If the FIREBALL number is the same as any of the Pick-4 Winning Numbers and the player's numbers already match the Pick-4 Winning Numbers, the player will be awarded the FIREBALL Prize in addition to the Pick-4 Prize.
- f) Players can win FIREBALL Prizes up to four (4) ways on Pair Bets by matching their numbers to the FIREBALL winning combinations including the replacement of the non-played digits with the FIREBALL Number.
- g) Tickets with FIREBALL may be canceled pursuant to section 8(e) in the Pick-4 Rules.

**3. PRIZE STRUCTURE**

The amount of the Prizes to be given for the Game shall be determined in accordance with the

following:

- a) The FIREBALL Prize Fund for the aggregate of all Prize Levels shall consist of 55% of the FIREBALL gross sales receipts for each Drawing.
- b) The amount of money in the FIREBALL Prize Fund shall be divided among the winners on a Pari-Mutuel basis. However, Straight Bet winners shall receive a full prize share before all other Bet types receive a fraction of the Straight Bet Prize as set forth in the following Pari-Mutuel Formula.
- c) Pari-Mutuel Formula:
  - i. Each 50¢ Bet shall be considered to be a single share and Bets for larger amounts shall be divided into 50¢ Bets; e.g., a 50¢ winning ticket will be one share and a \$2.00 winning ticket will be four shares.
  - a. A winning Straight Bet, hereinafter called "U," shall be a full share and shall be entitled to a full prize share (1/1) per Bet.
  - b. A winning Box (4-Way Combination) Bet, hereinafter called "V," shall be one-fourth (1/4) of a share and shall be entitled to one-fourth (1/4) of the full Prize share per Bet.
  - c. A winning Box (6-Way Combination) Bet, hereinafter called "W," shall be one-sixth (1/6) of a share and shall be entitled to one-sixth (1/6) of the full Prize share per Bet.
  - d. A winning Box (12-Way Combination) Bet, hereinafter called "X," shall be one-twelfth (1/12) of a share and shall be entitled to one-twelfth (1/12) of the full Prize share per Bet.
  - e. A winning Box (24-Way Combination) Bet, hereinafter called "Y," shall be one-twenty-fourth (1/24) of a share and shall be entitled to one-twenty-fourth (1/24) of the full Prize share per Bet.
  - f. A winning Pair Bet (Front and Back), hereinafter called "Z," shall be one-one hundredth (1/100) of a share and shall be entitled to one-one hundredth (1/100) of the full Prize share per Bet.
  - g. All divisors for each Bet Type shall be brought out eight (8) decimal places for Prize calculation purposes.
- d) The Prize share will be rounded down to the nearest 50¢.
- e) Formula for Prize determinations:  
Each Prize Share =

$$\frac{\text{Prize Pool}}{U (1) + V (1/4) + W (1/6) + X (1/12) + Y (1/24) + Z (1/100)}$$

Straight Bet Prize = (Prize Share/1) = (Rounded Down to 50¢ x Amount Wagered/50¢)

Box (4-Way) Bet Prize = (Prize Share/4) = (Rounded Down 50¢ x (Amount Wagered/50¢)

Box (6-Way) Bet Prize = (Prize Share/6) = (Rounded Down to 50¢ x Amount Wagered/50¢)

Box (12-Way) Bet Prize = (Prize Share/12) = (Rounded Down to 50¢ x Amount Wagered/50¢)

Box (24-Way) Bet Prize = (Prize Share/24) = (Rounded Down to 50¢ x Amount Wagered/50¢)

Pair Bets (Either Front or Back Pair) Prize = (Prize Share/100) = (Rounded Down to 50¢ x Amount Wagered/50¢)

**Example:**

Assuming a Prize Pool of \$150,000 and the following Winning Bets represented in 50¢ shares:

# OF WINNERS	BET TYPE
95	Straight
120	Box (4 Way)
180	Box (6 Way)
360	Box (12 Way)
720	Box (24 Way)
200	Pair

$$\begin{array}{r} \$150,000 \\ \hline (95/1) + (120/4) + (180/6) + (360/12) + (720/24) + (200/100) \\ \\ \$150,000 \\ \hline 95 + 30 + 30 + 30 + 30 + 2 \\ \\ \$150,000 \\ \hline 217 \\ \\ = \$691.24 \text{ Each } 50\text{¢ Prize Share} \end{array}$$

BET TYPE	SHARE PER 50¢ BET	PRIZE (Rounded Down)
Straight	\$691.24/1	\$691.00
Box (4 Way)	\$691.24/4	\$172.50
Box (6 Way)	\$691.24/6	\$115.00
Box (12 Way)	\$691.24/12	\$57.50
Box (24 Way)	\$691.24/24	\$28.50
Pair	\$691.24/100	\$6.50

- d. The minimum Prize for any Winning Play, regardless of the Bet Type, shall be one dollar (50¢ over the share Bet).
- g. If no Straight Bets are placed on the Winning Numbers for a given draw, that share of the Prize Pool will be distributed to Box Bet winners and Pair Bet winners pursuant to the Pari-Mutuel Formula set forth above.
- h. If no Bets of any type are placed on the Winning Number or any combinations thereof, the money in the pool shall be added to the Prize Pool for the next consecutive Drawing.