

## **KENO GAME DESIGN No. 3**

(Prepared 01 April 2014)

The Keno game design no 3 applies to New Zealand Lotteries Commission's Keno game conducted under the Keno Rules 1994 (Rule 14 Game Design refers).

### **Rule Reference**

#### **14 (2) (a) Game Matrix**

- i) The range of numbers is 1 to 80 inclusive.
- ii) A player may select 1 to 10 numbers from the range.
- iii) 20 numbers from the range will be drawn on a random basis to determine the winning number selections.

#### **14 (2) (b) Systems Selections**

Not applicable. Systems selections are not available.

#### **14 (2) (c) Restrictions**

No restrictions have been imposed.

#### **14 (2) (d) Ticket Cancellation**

- i) A ticket may be cancelled only if it is returned to the issuing retailer.
- ii) A ticket in a game drawn at 10.00am on the day it is purchased must be cancelled by 10.01am on the same day.
- iii) A ticket in a game drawn at 1.00pm on the day it is purchased must be cancelled by 1.01pm on the same day.
- iv) A ticket in a game drawn at 3.00 pm on the day it is purchased must be cancelled by 3.01pm on the same day.
- v) A ticket in a game drawn at 6.00pm on the day it is purchased must be cancelled by 6.01pm on the same day.
- vi) A ticket in a game drawn on any day after the day it was purchased must be cancelled before close of ticket sales on the day it is purchased.

#### **14 (2) (e) Cost Options**

The cost options available to enter Keno are \$1, \$2, \$3, \$4, \$5, \$10, \$20 \$50 and \$100 per selection.

#### **14 (2) (f) Minimum Cost of Entry**

The minimum cost of entry is \$1.

#### **14 (2) (g) Minimum Number of Selections**

The minimum number of selections is 1.

#### **14 (2) (h) Prize Groups**

There are 10 prize groups as set out below:

Prize group	Quantity of numbers to be selected
Prize group 1	1 number from the range
Prize group 2	2 numbers from the range
Prize group 3	3 numbers from the range
Prize group 4	4 numbers from the range
Prize group 5	5 numbers from the range
Prize group 6	6 numbers from the range
Prize group 7	7 numbers from the range
Prize group 8	8 numbers from the range
Prize group 9	9 numbers from the range
Prize group 10	10 numbers from the range

**14 (2) (i) & (m)****Prize Tiers and Odds of Winning a Prize**

Prize tiers and the odds of winning a prize are set out below:

Prize Tier	Prize Group	Chances of winning a prize in each tier (note 1)	Odds of winning a prize in each tier (note 2)	Chances of winning a prize in each group (note 1)	Odds of winning a prize in each group (note 2)	Numbers matched	Pay \$1 to win
1	1	1 in 4	1 to 3.0	1:4.0	1 to 3	1	\$2
2	2	1 in 16.6	1 to 15.6	1:16.6	1 to 15.6	2	\$10
3	3	1 in 7.2	1 to 6.2	1:6.6	1 to 5.6	2	\$2
4	3	1 in 72.1	1 to 71.1			3	\$20
5	4	1 in 23.1	1 to 22.1	1:21.6	1 to 20:6	3	\$3
6	4	1 to 326.4	1 to 325.4			4	\$150
7	5	1 in 11.9	1 to 10.9	1:10.3	1 to 9.3	3	\$2
8	5	1 to 82.7	1 to 81.7			4	\$20
9	5	1 to 1,550.6	1 to 1,549.6			5	\$300
10	6	1 in 7.7	1 to 6.7	1:6.2	1 to 5.2	3	\$2
11	6	1 in 35.0	1 to 34.0			4	\$3
12	6	1 in 323.0	1 to 322.0			5	\$40
13	6	1 in 7,752.8	1 to 7,751.8			6	\$1,000
14	7	1 to 19.2	1 to 18.2	1:16.2	1 to 15.2	4	\$2
15	7	1 to 115.8	1 to 114.8			5	\$4
16	7	1 to 1,365.0	1 to 1,364.0			6	\$500
17	7	1 to 40,979.3	1 to 40,978.3			7	\$4,000
18	8	1 in 12.3	1 to 11.3	1:9.8	1 to 8.8	4	\$2
19	8	1 in 54.6	1 to 53.6			5	\$4
20	8	1 in 422.5	1 to 421.5			6	\$100
21	8	1 in 6,232.3	1 to 6,231.3			7	\$500
22	8	1 in 230,114.6	to 230,113.6			8	\$10,000
23	9	1 in 8.8	1 to 7.8	1:6.5	1 to 5.5	4	\$2
24	9	1 in 30.7	1 to 29.7			5	\$3
25	9	1 in 174.8	1 to 173.8			6	\$10
26	9	1 in 1,690.1	1 to 1,689.1			7	\$200
27	9	1 in 30,681.9	1 to 30,680.9			8	\$2,000
28	9	1 in 1,380,687.6	1 to 1,380,686.6			9	\$50,000
29*	10	1 in 21.8	1 to 20.8	1:9.0	1 to 8.0	0	\$3
30	10	1 in 19.4	1 to 18.4			5	\$2
31	10	1 in 87.1	1 to 86.1			6	\$5
32	10	1 in 620.7	1 to 619.7			7	\$50
33	10	1 in 7,384.5	1 to 7,383.5			8	\$500
34	10	1 in 163,381.4	1 to 163,380.4			9	\$20,000
35	10	1 in 8,911,711.2	1 to 8,911,710.2			10	\$250,000

Note 1: The chances of winning a prize are expressed as a fraction which is the proportion of distinct winning events in the complete set of distinct winning and non winning events. The fraction is presented as 1 chance in N, i.e. the numerator is always 1.

Note 2: The odds of winning a prize are expressed as the ratio of distinct winning events to non-winning events. This ratio is presented as 1 to N.

Note 3\*: Prize tier 29 pays a prize for matching no numbers from the twenty drawn numbers. See Keno Rules 3 and 18(1).

**14 (2) (j)****Maximum Prize Liability**

If the total value of all prizes for selecting 7 of 7, 8 of 8, 8 of 9, 9 of 9, 9 of 10 and 10 of 10 numbers would exceed \$1,000,000 (one million dollars) in a game, each of the prizes will be proportionally reduced so that the total value of prizes does not exceed \$1,000,000 (one million dollars).

- 14 (2) (k)      Jackpot**  
Not Applicable. No jackpotting prize is available.
- 14 (2) (l)      Maximum size of Jackpot**  
Not Applicable. No jackpotting prize is available.
- 14 (2) (n)      Jackpot Limits**  
Not Applicable. No jackpotting prize is available.

Game design approved in accordance with the Keno Rules 1994: