



# Game Patterns

## Odds of Winning



For more information about these games please see the OLG Rules for Bingo Games, site Game Guides, House Rules, Odds of Winning, Refund Policy, and the individual Session Programs.

# TABLE OF CONTENTS

PATTERN	PAGE
2 Hardway Straight Lines	10
23 & Free	26
3 Hardway Straight Lines	14
4 Brackets	14
4 Brackets All Calls	21
4 Corner Stamps	18
4 Corner Stamps All Calls	25
4 Corners All Calls	6
5 Around The Corner	5
Any 2 Corner Stamps - All Calls	9
Any 2 Hardway Blocks Of 4	8
Any 2 Lines	8
Any 2 Lines Or Line & 4 Corners	7
Any 3 Corner Stamps - All Calls	16
Any 3 Lines	11
Any 6 Pack	5
Any Chevron	3
Any Chevron All Calls	4
Any Corner 6 Pack	7
Any Corner Stamp All Calls	4

PATTERN	PAGE
Any Horizontal Line	5
Any Line Or 4 Corners	3
Any Straight Line	4
Arrow	16
BIN Or NGO	22
Block Of 4 Anywhere	3
Block Of 8	8
Block Of 9	9
Bow Tie	18
Bow Tie All Calls	25
Broken Frame	21
Cactus	20
Champagne Glass	15
Checker Board	19
Christmas Tree	16
Corners & Cross	20
Coverall	27
Crazy 4 X 4	14
Crazy Giant Kite	13
Crazy H	17

PATTERN	PAGE
Crazy Kite	6
Crazy Kite All Calls	7
Crazy L	12
Crazy Outside Double Bars	22
Crazy Pyramid	10
Crazy T	11
Crazy Triangle	21
Crazy X, T, Or L	9
Cross	13
Cross & Frame	26
Double Bingo	7
Fourth Chance Coverall	27
Full Diamond	20
Hammer Head T	19
Hardway 6 Pack	6
Hardway Blocks Of 8	10
Hardway Straight Line	5
Highway All Calls	26
Hollow Diamond	11
Indian Star	24

PATTERN	PAGE
Ladder	25
Large Frame	24
Layer Cake	23
Letter A	17
Letter A	23
Letter E	23
Letter H	15
Letter H All Calls	22
Letter I	19
Letter L	15
Letter N	15
Letter N All Calls	22
Letter S	24
Letter T	13
Letter V	14
Letter X	9
Letter X & Frame	26
Letter X All Calls	12
Letter Z	19
Line, 4 Corners, Or Corner Stamp	3

PATTERN	PAGE
Maple Leaf	16
No Sign	23
Number 13	17
Number 13 All Calls	24
Number 7	12
Rail Road Tracks	11
Satellite	20
Second Chance Coverall	27
Small Corner X	4
Small Diamond & 4 Corners	12
Small Frame All Calls	13
Sputnik	18
Swatter & Fly All Calls	17
Third Chance Coverall	27
Tic Tac Toe	25
Top Half Or Bottom Half	21
Top Line Or Bottom Line	6
Triple Bingo	8
Triple Bingo	10
Zero	18

## GAME PATTERNS WITH WILD BALLS

Any 2 Lines With Wild Ball	28
Any 3 Lines With Wild Ball	29

Any 6 Pack With Wild Ball	28
Any Block Of 9 With Wild Ball	29

Corner 6 Pack With Wild Ball	28
Coverall Odd/Even Wild Ball	29

Coverall Odd/Even Wild Ball	30
Coverall With Wild Ball	30

Large Frame Odd/Even Wild Ball	28
Large Frame With Wild Ball	29

# Bingo Patterns

Average Number Of Calls & Average Number Of Winners

Based On 70,000 Computer Simulated Games

## Block Of 4 Anywhere

16 Ways To Win  
Free Space Can Be Used

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	8.03	7.47	7.27	7.18	7.13	7.10	7.08	7.07	7.06	7.05	7.05	7.04
Average Winners % Single Winners	2.12 47.52%	3.20 30.69%	4.38 21.14%	5.61 15.22%	6.87 11.19%	8.15 8.44%	9.44 6.68%	10.75 5.49%	12.05 4.62%	13.36 3.96%	14.68 3.39%	15.99 2.92%

Based On 70,000 Computer Simulated Games

## Any Chevron

4 Ways To Win  
N Balls Not Counted

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	10.25	9.07	8.49	8.12	7.86	7.66	7.51	7.38	7.27	7.18	7.10	7.04
Average Winners % Single Winners	1.31 76.71%	1.42 71.12%	1.51 67.28%	1.59 64.17%	1.67 61.62%	1.74 59.22%	1.80 57.10%	1.87 55.05%	1.94 53.13%	2.00 51.35%	2.07 49.72%	2.14 48.16%

Based On 70,000 Computer Simulated Games

## Line, 4 Corners, Or Corner Stamp

17 Ways To Win

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	10.57	9.42	8.85	8.50	8.24	8.05	7.90	7.78	7.68	7.60	7.52	7.46
Average Winners % Single Winners	1.38 73.32%	1.51 67.56%	1.61 63.44%	1.71 59.78%	1.80 56.75%	1.89 53.97%	1.98 51.51%	2.07 49.28%	2.17 47.35%	2.27 45.54%	2.38 43.92%	2.49 42.43%

Based On 70,000 Computer Simulated Games

## Any Line Or 4 Corners

13 Ways To Win

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	11.68	10.42	9.81	9.42	9.15	8.95	8.79	8.67	8.56	8.47	8.40	8.34
Average Winners % Single Winners	1.37 74.71%	1.51 68.78%	1.64 64.39%	1.76 60.52%	1.88 57.05%	2.00 53.98%	2.13 51.24%	2.25 48.82%	2.38 46.68%	2.52 44.67%	2.66 42.87%	2.80 41.18%

# Bingo Patterns

Average Number Of Calls & Average Number Of Winners

Based On 70,000 Computer Simulated Games

## Any Chevron All Calls

4 Ways To Win  
All Balls In Play & Counted

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	12.78	11.31	10.58	10.13	9.80	9.56	9.36	9.20	9.07	8.96	8.86	8.77
Average Winners % Single Winners	1.31 76.71%	1.42 71.12%	1.51 67.28%	1.59 64.17%	1.67 61.62%	1.74 59.22%	1.80 57.10%	1.87 55.05%	1.94 53.13%	2.00 51.35%	2.07 49.72%	2.14 48.16%

Based On 70,000 Computer Simulated Games

## Any Straight Line

12 Ways To Win

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	12.10	10.84	10.22	9.85	9.59	9.40	9.25	9.14	9.05	8.97	8.91	8.85
Average Winners % Single Winners	1.39 74.02%	1.57 67.05%	1.75 61.68%	1.91 56.99%	2.08 53.00%	2.25 49.39%	2.43 46.12%	2.61 43.25%	2.80 40.63%	2.99 38.18%	3.20 35.99%	3.40 33.96%

Based On 70,000 Computer Simulated Games

## Small Corner X

4 Ways To Win

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	12.69	11.31	10.66	10.25	9.97	9.77	9.61	9.48	9.38	9.29	9.22	9.16
Average Winners % Single Winners	1.39 74.55%	1.62 66.86%	1.86 61.31%	2.11 56.76%	2.36 52.73%	2.61 49.40%	2.87 46.62%	3.13 44.00%	3.39 41.63%	3.65 39.49%	3.92 37.49%	4.19 35.63%

Based On 70,000 Computer Simulated Games

## Any Corner Stamp All Calls

4 Ways To Win  
All Balls In Play & Counted

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	13.25	11.90	11.26	10.88	10.62	10.42	10.28	10.17	10.07	10.00	9.94	9.88
Average Winners % Single Winners	1.47 69.07%	1.68 60.98%	1.88 54.80%	2.09 49.73%	2.30 45.64%	2.52 41.94%	2.74 38.46%	2.98 35.43%	3.21 32.85%	3.45 30.66%	3.70 28.64%	3.95 26.91%

# Bingo Patterns

Average Number Of Calls & Average Number Of Winners

Based On 70,000 Computer Simulated Games

## Any Horizontal Line

5 Ways To Win

●	●	●	●	●

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	15.01	13.39	12.60	12.11	11.77	11.51	11.31	11.15	11.01	10.90	10.81	10.72
Average Winners % Single Winners	1.33 78.75%	1.55 72.50%	1.78 67.62%	2.02 63.78%	2.27 60.54%	2.53 57.62%	2.79 55.05%	3.05 52.75%	3.32 50.57%	3.59 48.51%	3.86 46.65%	4.14 44.86%

Based On 70,000 Computer Simulated Games

## Any 6 Pack

24 Ways To Win  
Free Space Can Be Used

	●	●	●	
●	●	●		

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	14.94	13.57	12.87	12.41	12.07	11.81	11.60	11.42	11.27	11.14	11.03	10.93
Average Winners % Single Winners	1.35 75.38%	1.45 71.14%	1.51 68.69%	1.57 66.76%	1.62 65.06%	1.67 63.82%	1.71 62.58%	1.75 61.36%	1.79 60.30%	1.84 59.27%	1.88 58.32%	1.92 57.40%

Based On 70,000 Computer Simulated Games

## Hardway Straight Line

8 Ways To Win  
Free Space Cannot Be Used

●	●	●	●	●

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	15.98	14.42	13.62	13.09	12.71	12.41	12.18	11.98	11.81	11.67	11.54	11.43
Average Winners % Single Winners	1.32 78.13%	1.40 74.68%	1.47 72.06%	1.53 70.06%	1.58 68.26%	1.63 66.64%	1.68 65.01%	1.72 63.37%	1.76 61.80%	1.81 60.18%	1.85 58.60%	1.90 57.06%

Based On 70,000 Computer Simulated Games

## 5 Around The Corner

4 Ways To Win

●	●	●		
●				
●				

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	18.24	16.50	15.61	15.04	14.62	14.30	14.04	13.83	13.65	13.50	13.37	13.26
Average Winners % Single Winners	1.34 76.64%	1.44 72.19%	1.53 69.08%	1.61 66.91%	1.69 64.89%	1.76 63.07%	1.84 61.46%	1.91 59.92%	1.98 58.45%	2.05 57.02%	2.12 55.68%	2.19 54.40%

# Bingo Patterns

Average Number Of Calls & Average Number Of Winners

Based On 70,000 Computer Simulated Games

## Crazy Kite

4 Ways To Win  
N Balls Not Counted

●				
	●			
		●		
			●	●
			●	●

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	18.31	16.69	15.83	15.26	14.84	14.51	14.23	14.00	13.81	13.64	13.49	13.35
Average Winners	1.22	1.26	1.29	1.31	1.33	1.35	1.37	1.39	1.41	1.43	1.45	1.46
% Single Winners	82.63%	80.28%	78.90%	77.81%	76.85%	75.96%	75.28%	74.63%	73.92%	73.30%	72.77%	72.29%

Based On 70,000 Computer Simulated Games

## 4 Corners All Calls

1 Way To Win  
All Balls In Play & Counted

●				●
●				●

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	18.77	16.78	15.81	15.19	14.76	14.44	14.19	13.99	13.83	13.69	13.57	13.47
Average Winners	1.42	1.55	1.66	1.77	1.89	2.02	2.15	2.29	2.44	2.59	2.74	2.90
% Single Winners	71.48%	66.01%	61.99%	58.68%	55.82%	53.24%	50.72%	48.52%	46.54%	44.75%	43.13%	41.66%

Based On 70,000 Computer Simulated Games

## Top Line Or Bottom Line

2 Ways To Win

●	●	●	●	●

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	19.60	17.53	16.46	15.76	15.25	14.85	14.54	14.27	14.05	13.85	13.69	13.54
Average Winners	1.20	1.27	1.34	1.40	1.47	1.53	1.60	1.68	1.75	1.82	1.89	1.97
% Single Winners	84.67%	80.99%	78.55%	76.64%	74.97%	73.41%	71.91%	70.62%	69.40%	68.24%	67.19%	66.12%

Based On 70,000 Computer Simulated Games

## Hardway 6 Pack

12 Ways To Win  
Free Space Cannot Be Used

●	●	●		
●	●	●		

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	19.54	17.89	17.01	16.43	16.00	15.66	15.39	15.15	14.95	14.78	14.62	14.49
Average Winners	1.29	1.35	1.39	1.43	1.46	1.49	1.51	1.53	1.55	1.57	1.59	1.61
% Single Winners	78.88%	75.75%	74.03%	72.60%	71.40%	70.27%	69.31%	68.47%	67.76%	66.98%	66.29%	65.56%

# Bingo Patterns

Average Number Of Calls & Average Number Of Winners

Based On 70,000 Computer Simulated Games

## Double Bingo

136 Ways To Win  
Lines, Corners, And Corner Stamps  
Are Valid

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	19.46	17.91	17.09	16.54	16.13	15.80	15.54	15.31	15.12	14.95	14.80	14.67
Average Winners % Single Winners	1.26 80.44%	1.29 78.39%	1.32 76.81%	1.34 75.78%	1.36 74.99%	1.38 74.27%	1.39 73.53%	1.41 72.74%	1.42 72.08%	1.44 71.46%	1.45 70.77%	1.47 70.19%

Based On 70,000 Computer Simulated Games

## Any Corner 6 Pack

8 Ways To Win

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	20.60	18.84	17.91	17.30	16.84	16.48	16.19	15.95	15.74	15.55	15.39	15.24
Average Winners % Single Winners	1.27 80.08%	1.32 77.11%	1.37 75.20%	1.40 73.76%	1.42 72.67%	1.45 71.84%	1.47 71.08%	1.49 70.43%	1.50 69.80%	1.52 69.19%	1.53 68.68%	1.55 68.24%

Based On 70,000 Computer Simulated Games

## Crazy Kite All Calls

4 Ways To Win  
All Balls In Play & Counted

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	22.78	20.77	19.70	19.00	18.47	18.06	17.73	17.44	17.20	16.98	16.79	16.62
Average Winners % Single Winners	1.22 82.90%	1.25 80.61%	1.28 79.04%	1.31 77.59%	1.34 76.62%	1.36 75.79%	1.38 74.98%	1.40 74.32%	1.42 73.61%	1.44 73.03%	1.46 72.46%	1.48 71.96%

Based On 70,000 Computer Simulated Games

## Any 2 Lines Or Line & 4 Corners

78 Ways To Win

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	22.09	20.42	19.52	18.90	18.44	18.08	17.78	17.53	17.31	17.12	16.95	16.79
Average Winners % Single Winners	1.23 82.15%	1.27 80.08%	1.29 78.88%	1.31 78.12%	1.32 77.52%	1.33 76.81%	1.34 76.20%	1.35 75.74%	1.37 75.27%	1.38 74.75%	1.39 74.26%	1.40 73.82%

# Bingo Patterns

Average Number Of Calls & Average Number Of Winners

Based On 70,000 Computer Simulated Games

## Any 2 Hardway Blocks Of 4

50 Ways To Win / No Overlap  
Free Space Cannot Be Used

	●	●		
	●	●		
		●	●	
		●	●	

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	23.70	22.10	21.25	20.67	20.23	19.89	19.61	19.37	19.16	18.98	18.82	18.67
Average Winners % Single Winners	1.25 81.14%	1.28 79.35%	1.30 78.18%	1.32 77.28%	1.34 76.70%	1.35 76.18%	1.36 75.71%	1.37 75.32%	1.38 74.95%	1.39 74.60%	1.40 74.27%	1.41 73.99%

Based On 70,000 Computer Simulated Games

## Block Of 8

16 Ways To Win  
Free Space Can Be Used

●	●	●	●	
●	●	●	●	

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	24.31	22.55	21.59	20.95	20.47	20.09	19.78	19.52	19.29	19.09	18.91	18.75
Average Winners % Single Winners	1.25 81.01%	1.29 79.15%	1.31 78.08%	1.34 77.09%	1.35 76.29%	1.37 75.61%	1.38 74.94%	1.39 74.45%	1.40 74.03%	1.41 73.65%	1.42 73.30%	1.43 72.99%

Based On 70,000 Computer Simulated Games

## Any 2 Lines

66 Ways To Win

●				●
●				●
●				●
●				●
●				●

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	24.16	22.55	21.69	21.10	20.66	20.31	20.02	19.78	19.56	19.38	19.21	19.06
Average Winners % Single Winners	1.22 82.49%	1.26 80.65%	1.27 79.51%	1.29 78.67%	1.31 77.94%	1.32 77.27%	1.33 76.62%	1.34 76.06%	1.35 75.56%	1.36 75.12%	1.38 74.68%	1.39 74.23%

Based On 70,000 Computer Simulated Games

## Triple Bingo

680 Ways To Win  
Lines, 4 Corners, And Corner Stamps Are Valid

●	●	●		●
●	●	●		
		●		
		●		
●		●		●

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	25.73	24.17	23.32	22.75	22.31	21.97	21.69	21.45	21.24	21.06	20.90	20.75
Average Winners % Single Winners	1.24 81.33%	1.27 79.58%	1.30 78.34%	1.31 77.36%	1.32 76.70%	1.34 76.17%	1.35 75.58%	1.36 75.04%	1.37 74.53%	1.38 74.04%	1.39 73.57%	1.40 73.08%



# Bingo Patterns

Average Number Of Calls & Average Number Of Winners

Based On 70,000 Computer Simulated Games

## Letter X

1 Way To Win  
N Balls Not Counted

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	28.63	26.63	25.54	24.81	24.25	23.82	23.46	23.15	22.89	22.65	22.44	22.26
Average Winners	1.17	1.20	1.21	1.22	1.23	1.23	1.24	1.24	1.25	1.26	1.26	1.27
% Single Winners	85.66%	84.13%	83.41%	82.86%	82.48%	82.04%	81.68%	81.30%	80.96%	80.67%	80.46%	80.32%

Based On 70,000 Computer Simulated Games

## Block Of 9

9 Ways To Win

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	28.26	26.36	25.33	24.63	24.12	23.72	23.38	23.10	22.85	22.63	22.44	22.27
Average Winners	1.23	1.27	1.29	1.31	1.33	1.34	1.36	1.37	1.38	1.39	1.40	1.41
% Single Winners	82.02%	79.95%	78.75%	77.87%	77.17%	76.54%	76.08%	75.61%	75.16%	74.85%	74.60%	74.32%

Based On 70,000 Computer Simulated Games

## Crazy X, T, Or L

9 Ways To Win

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	29.20	27.25	26.17	25.45	24.91	24.48	24.12	23.82	23.55	23.32	23.12	22.93
Average Winners	1.21	1.24	1.26	1.27	1.29	1.30	1.31	1.32	1.33	1.33	1.34	1.35
% Single Winners	83.60%	82.14%	81.30%	80.68%	80.06%	79.51%	79.20%	78.97%	78.82%	78.60%	78.28%	78.02%

Based On 70,000 Computer Simulated Games

## Any 2 Corner Stamps - All Calls

6 Ways To Win  
All Balls In Play & Counted

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	29.69	27.72	26.65	25.92	25.37	24.94	24.58	24.27	24.01	23.77	23.56	23.38
Average Winners	1.24	1.27	1.29	1.30	1.32	1.33	1.34	1.34	1.35	1.36	1.36	1.37
% Single Winners	81.82%	79.87%	78.70%	77.95%	77.40%	76.95%	76.56%	76.28%	75.97%	75.70%	75.57%	75.49%

# Bingo Patterns

Average Number Of Calls & Average Number Of Winners

Based On 70,000 Computer Simulated Games

## Hardway Blocks Of 8

8 Ways To Win  
Free Space Cannot Be Used

	●	●	●	●
	●	●	●	●

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	28.70	26.74	25.68	24.96	24.43	24.00	23.64	23.34	23.08	22.85	22.64	22.45
Average Winners % Single Winners	1.23 82.33%	1.26 81.00%	1.28 79.90%	1.30 79.13%	1.31 78.64%	1.32 78.10%	1.33 77.54%	1.34 77.00%	1.35 76.49%	1.36 75.96%	1.37 75.56%	1.38 75.09%

Based On 70,000 Computer Simulated Games

## Triple Bingo

286 Ways To Win  
Lines And 4 Corners Are Valid

●				●
	●			
		●		
●	●	●	●	●
●				●

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	29.06	27.37	26.44	25.81	25.33	24.95	24.64	24.37	24.14	23.94	23.75	23.59
Average Winners % Single Winners	1.23 82.42%	1.25 81.03%	1.26 80.26%	1.28 79.55%	1.28 79.14%	1.30 78.61%	1.31 78.10%	1.31 77.69%	1.32 77.37%	1.33 77.07%	1.33 76.80%	1.34 76.46%

Based On 70,000 Computer Simulated Games

## 2 Hardway Straight Lines

28 Ways To Win  
Free Space Cannot Be Used

	●			
●	●	●	●	●
	●			
	●			
	●			

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	29.30	27.55	26.59	25.94	25.45	25.06	24.73	24.45	24.21	24.00	23.81	23.64
Average Winners % Single Winners	1.23 82.45%	1.26 80.94%	1.27 80.10%	1.29 79.17%	1.30 78.44%	1.32 77.81%	1.33 77.47%	1.33 77.21%	1.34 77.05%	1.35 76.87%	1.35 76.68%	1.36 76.51%

Based On 70,000 Computer Simulated Games

## Crazy Pyramid

4 Ways To Win

		●		
	●	●	●	
●	●	●	●	●

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	30.59	28.47	27.32	26.54	25.95	25.49	25.10	24.77	24.48	24.23	24.01	23.81
Average Winners % Single Winners	1.21 83.88%	1.23 82.70%	1.25 81.86%	1.26 81.20%	1.27 80.59%	1.28 79.90%	1.29 79.36%	1.29 79.01%	1.30 78.68%	1.31 78.36%	1.32 78.10%	1.32 77.86%

# Bingo Patterns

Average Number Of Calls & Average Number Of Winners

Based On 70,000 Computer Simulated Games

## Crazy T

4 Ways To Win

				●
				●
●	●	●	●	●
				●
				●

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	30.65	28.58	27.46	26.71	26.14	25.69	25.32	25.01	24.73	24.49	24.27	24.08
Average Winners	1.22	1.25	1.27	1.29	1.30	1.32	1.33	1.33	1.34	1.35	1.35	1.36
% Single Winners	83.10%	81.65%	80.40%	79.46%	78.65%	78.14%	77.73%	77.41%	77.16%	76.96%	76.74%	76.61%

Based On 70,000 Computer Simulated Games

## Rail Road Tracks

8 Ways To Win  
Two Lines Must Be Adjacent  
Either Vertically Or Horizontally

	●	●		
	●	●		
	●	●		
	●	●		
	●	●		

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	30.40	28.61	27.61	26.93	26.42	26.01	25.67	25.39	25.14	24.92	24.72	24.54
Average Winners	1.21	1.23	1.24	1.25	1.26	1.26	1.27	1.27	1.27	1.28	1.28	1.29
% Single Winners	83.62%	82.41%	81.83%	81.26%	80.88%	80.57%	80.32%	80.12%	79.96%	79.78%	79.52%	79.35%

Based On 70,000 Computer Simulated Games

## Any 3 Lines

220 Ways To Win

●	●	●	●	●
●	●			
●		●		
●			●	
●				●

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	31.61	30.02	29.15	28.56	28.11	27.75	27.45	27.19	26.97	26.77	26.60	26.44
Average Winners	1.22	1.24	1.26	1.27	1.28	1.29	1.29	1.30	1.30	1.31	1.31	1.32
% Single Winners	82.65%	81.48%	80.52%	79.75%	79.29%	78.96%	78.60%	78.43%	78.24%	78.05%	77.87%	77.68%

Based On 70,000 Computer Simulated Games

## Hollow Diamond

1 Way To Win

		●		
	●		●	
●				●
	●		●	
		●		

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	35.31	32.80	31.43	30.50	29.80	29.24	28.78	28.39	28.05	27.75	27.48	27.25
Average Winners	1.15	1.17	1.18	1.19	1.20	1.21	1.21	1.22	1.22	1.23	1.23	1.24
% Single Winners	87.46%	85.93%	85.24%	84.62%	84.22%	83.86%	83.48%	83.19%	82.84%	82.55%	82.28%	82.11%

# Bingo Patterns

Average Number Of Calls & Average Number Of Winners

Based On 70,000 Computer Simulated Games

## Small Diamond & 4 Corners

1 Way To Win

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	35.33	32.81	31.44	30.51	29.81	29.26	28.80	28.41	28.08	27.78	27.51	27.27
Average Winners % Single Winners	1.15 87.34%	1.17 85.98%	1.18 85.17%	1.19 84.42%	1.20 83.88%	1.21 83.40%	1.22 83.01%	1.23 82.65%	1.23 82.29%	1.24 82.03%	1.24 81.78%	1.25 81.56%

Based On 70,000 Computer Simulated Games

## Number 7

1 Way To Win

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	35.39	32.88	31.51	30.57	29.87	29.31	28.85	28.46	28.12	27.81	27.55	27.30
Average Winners % Single Winners	1.15 87.39%	1.17 85.77%	1.19 84.84%	1.20 84.34%	1.21 83.92%	1.21 83.43%	1.22 83.13%	1.22 82.83%	1.23 82.61%	1.23 82.42%	1.24 82.18%	1.24 81.95%

Based On 70,000 Computer Simulated Games

## Letter X All Calls

1 Way To Win  
All Balls In Play & Counted

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	35.62	33.13	31.77	30.84	30.15	29.60	29.15	28.77	28.44	28.14	27.88	27.65
Average Winners % Single Winners	1.17 85.77%	1.19 84.40%	1.21 83.56%	1.22 82.88%	1.23 82.42%	1.24 81.93%	1.25 81.63%	1.25 81.32%	1.26 80.95%	1.26 80.60%	1.27 80.35%	1.27 80.17%

Based On 70,000 Computer Simulated Games

## Crazy L

4 Ways To Win

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	34.60	32.56	31.45	30.68	30.11	29.65	29.27	28.95	28.68	28.43	28.21	28.01
Average Winners % Single Winners	1.27 80.65%	1.31 78.85%	1.33 77.73%	1.35 77.08%	1.36 76.40%	1.38 75.67%	1.39 75.08%	1.40 74.56%	1.41 74.14%	1.42 73.84%	1.42 73.66%	1.43 73.43%

# Bingo Patterns

Average Number Of Calls & Average Number Of Winners

Based On 70,000 Computer Simulated Games

## Cross

1 Way To Win

		●		
		●		
●	●	●	●	●
		●		
		●		

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	36.50	34.12	32.82	31.93	31.27	30.74	30.31	29.94	29.62	29.34	29.09	28.87
Average Winners	1.27	1.31	1.34	1.35	1.36	1.37	1.38	1.40	1.41	1.42	1.43	1.45
% Single Winners	81.25%	79.41%	78.21%	77.58%	77.02%	76.58%	76.03%	75.45%	74.88%	74.26%	73.70%	73.15%

Based On 70,000 Computer Simulated Games

## Letter T

1 Way To Win

●	●	●	●	●
		●		
		●		
		●		
		●		

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	36.58	34.21	32.93	32.05	31.38	30.86	30.43	30.07	29.75	29.48	29.23	29.01
Average Winners	1.27	1.31	1.34	1.36	1.38	1.39	1.40	1.41	1.42	1.43	1.43	1.44
% Single Winners	81.00%	78.97%	77.96%	77.20%	76.71%	76.32%	75.93%	75.56%	75.17%	74.74%	74.36%	74.00%

Based On 70,000 Computer Simulated Games

## Small Frame All Calls

1 Way To Win  
All Balls In Play & Counted

	●	●	●	
	●		●	
	●	●	●	

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	36.79	34.37	33.06	32.17	31.50	30.98	30.54	30.17	29.85	29.56	29.31	29.08
Average Winners	1.26	1.29	1.31	1.33	1.34	1.35	1.36	1.37	1.38	1.39	1.39	1.40
% Single Winners	80.27%	78.95%	77.75%	76.92%	76.27%	75.84%	75.42%	75.11%	74.72%	74.44%	74.30%	74.21%

Based On 70,000 Computer Simulated Games

## Crazy Giant Kite

4 Ways To Win

●				
	●			
		●	●	●
		●	●	●
		●	●	●

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	36.50	34.41	33.25	32.46	31.87	31.39	30.99	30.66	30.36	30.11	29.88	29.67
Average Winners	1.17	1.19	1.20	1.21	1.21	1.22	1.22	1.23	1.23	1.24	1.24	1.25
% Single Winners	85.85%	84.79%	84.17%	83.62%	83.24%	82.90%	82.64%	82.37%	82.13%	81.92%	81.70%	81.47%

# Bingo Patterns

Average Number Of Calls & Average Number Of Winners

Based On 70,000 Computer Simulated Games

## Crazy 4 X 4

4 Ways To Win

●	●	●	●	
●	●	●	●	
●	●	●	●	
●	●	●	●	

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	37.03	34.99	33.85	33.08	32.50	32.03	31.64	31.31	31.02	30.76	30.54	30.33
Average Winners % Single Winners	1.22 83.25%	1.24 82.35%	1.25 81.77%	1.26 81.39%	1.26 81.06%	1.27 80.75%	1.28 80.47%	1.28 80.21%	1.28 79.94%	1.29 79.63%	1.29 79.29%	1.30 78.97%

Based On 70,000 Computer Simulated Games

## Letter V

1 Way To Win

●				●
●				●
●				●
	●		●	
		●		

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	39.04	36.67	35.37	34.48	33.81	33.28	32.83	32.45	32.12	31.83	31.57	31.33
Average Winners % Single Winners	1.21 83.56%	1.25 81.77%	1.26 81.01%	1.27 80.65%	1.28 80.36%	1.28 80.01%	1.29 79.72%	1.29 79.43%	1.30 79.18%	1.30 78.93%	1.31 78.73%	1.32 78.56%

Based On 70,000 Computer Simulated Games

## 4 Brackets

1 Way To Win  
N Balls Not Counted

●	●		●	●
●				●
●				●
●	●		●	●

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	37.62	35.93	34.98	34.32	33.82	33.42	33.09	32.81	32.56	32.34	32.14	31.96
Average Winners % Single Winners	1.26 80.70%	1.29 79.21%	1.30 78.62%	1.31 78.08%	1.32 77.72%	1.33 77.39%	1.33 77.13%	1.34 76.79%	1.35 76.52%	1.35 76.25%	1.36 76.02%	1.36 75.90%

Based On 70,000 Computer Simulated Games

## 3 Hardway Straight Lines

56 Ways To Win  
Free Space Cannot Be Used

●	●	●	●	●
●	●	●	●	●
●	●	●	●	●

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	37.76	36.13	35.22	34.60	34.13	33.76	33.45	33.18	32.94	32.74	32.55	32.38
Average Winners % Single Winners	1.23 82.22%	1.25 80.78%	1.26 80.26%	1.27 79.72%	1.28 79.06%	1.29 78.70%	1.30 78.47%	1.30 78.20%	1.31 77.98%	1.31 77.82%	1.31 77.70%	1.32 77.58%

# Bingo Patterns

Average Number Of Calls & Average Number Of Winners

Based On 70,000 Computer Simulated Games

## Letter L

1 Way To Win

●				
●				
●				
●				
●	●	●	●	●

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	40.43	38.18	36.96	36.13	35.50	35.00	34.59	34.24	33.93	33.65	33.41	33.19
Average Winners % Single Winners	1.35 77.43%	1.40 75.22%	1.44 73.86%	1.47 72.85%	1.49 72.10%	1.51 71.47%	1.53 70.94%	1.55 70.63%	1.56 70.42%	1.57 70.19%	1.58 70.04%	1.59 69.92%

Based On 70,000 Computer Simulated Games

## Letter N

1 Way To Win  
N Balls Not Counted

●				●
●	●			●
●		●		●
●			●	●
●				●

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	38.52	36.92	36.04	35.43	34.97	34.61	34.30	34.04	33.81	33.61	33.43	33.26
Average Winners % Single Winners	1.37 75.20%	1.41 73.69%	1.43 72.85%	1.45 72.18%	1.46 71.42%	1.48 70.74%	1.50 70.15%	1.51 69.86%	1.52 69.55%	1.53 69.25%	1.53 69.02%	1.54 68.78%

Based On 70,000 Computer Simulated Games

## Letter H

1 Way To Win  
N Balls Not Counted

●				●
●				●
●	●	●	●	●
●				●
●				●

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	38.55	36.97	36.09	35.49	35.03	34.66	34.36	34.10	33.88	33.68	33.50	33.34
Average Winners % Single Winners	1.38 74.99%	1.41 73.45%	1.44 72.46%	1.45 71.93%	1.47 71.41%	1.48 71.00%	1.49 70.63%	1.50 70.25%	1.51 69.95%	1.52 69.71%	1.53 69.55%	1.53 69.39%

Based On 70,000 Computer Simulated Games

## Champagne Glass

1 Way To Win

●				●
	●		●	
		●		
		●		
●	●	●	●	●

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	41.16	38.77	37.45	36.56	35.88	35.34	34.89	34.50	34.17	33.88	33.62	33.39
Average Winners % Single Winners	1.14 87.75%	1.16 86.85%	1.17 86.30%	1.17 85.68%	1.18 85.33%	1.18 84.96%	1.19 84.74%	1.19 84.49%	1.20 84.29%	1.20 83.99%	1.20 83.65%	1.21 83.32%

# Bingo Patterns

Average Number Of Calls & Average Number Of Winners

Based On 70,000 Computer Simulated Games

## Christmas Tree

1 Way To Win

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	41.99	39.67	38.39	37.51	36.85	36.32	35.88	35.50	35.17	34.88	34.62	34.39
Average Winners % Single Winners	1.22 83.32%	1.25 82.29%	1.26 81.66%	1.27 81.23%	1.27 80.78%	1.28 80.47%	1.29 80.23%	1.29 79.97%	1.29 79.70%	1.30 79.39%	1.30 79.05%	1.31 78.76%

Based On 70,000 Computer Simulated Games

## Arrow

1 Way To Win

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	41.94	39.63	38.36	37.50	36.84	36.33	35.89	35.53	35.21	34.92	34.67	34.44
Average Winners % Single Winners	1.22 83.57%	1.24 82.23%	1.26 81.43%	1.27 80.88%	1.28 80.39%	1.29 79.79%	1.29 79.38%	1.30 79.05%	1.30 78.82%	1.31 78.65%	1.31 78.41%	1.32 78.17%

Based On 70,000 Computer Simulated Games

## Maple Leaf

1 Way To Win

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	41.99	39.69	38.41	37.54	36.88	36.36	35.92	35.55	35.22	34.94	34.69	34.46
Average Winners % Single Winners	1.22 83.34%	1.24 82.21%	1.26 81.48%	1.27 80.81%	1.28 80.28%	1.29 79.87%	1.30 79.50%	1.30 79.22%	1.31 78.88%	1.32 78.47%	1.32 78.04%	1.33 77.69%

Based On 70,000 Computer Simulated Games

## Any 3 Corner Stamps - All Calls

4 Ways To Win  
All Balls In Play & Counted

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	42.36	40.44	39.36	38.62	38.05	37.60	37.22	36.89	36.61	36.36	36.14	35.93
Average Winners % Single Winners	1.24 81.76%	1.25 80.75%	1.27 80.12%	1.27 79.86%	1.28 79.67%	1.28 79.45%	1.29 79.16%	1.29 78.88%	1.29 78.69%	1.29 78.58%	1.30 78.50%	1.30 78.47%



# Bingo Patterns

Average Number Of Calls & Average Number Of Winners

Based On 70,000 Computer Simulated Games

## Letter A

1 Way To Win

		●		
	●		●	
●	●	●	●	●
●				●
●				●

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	43.89	41.61	40.35	39.48	38.82	38.30	37.86	37.49	37.16	36.87	36.61	36.38
Average Winners	1.18	1.20	1.21	1.22	1.23	1.23	1.24	1.24	1.24	1.25	1.25	1.25
% Single Winners	85.14%	84.19%	83.40%	83.01%	82.75%	82.53%	82.34%	82.18%	81.95%	81.77%	81.58%	81.44%

Based On 70,000 Computer Simulated Games

## Swatter & Fly All Calls

5 Ways To Win / Fly Is Any O  
All Balls In Play & Counted

●	●	●		
●	●	●		
●	●	●		
	●			
	●			●

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	43.61	41.47	40.29	39.49	38.88	38.40	37.99	37.64	37.34	37.08	36.85	36.63
Average Winners	1.35	1.39	1.42	1.43	1.45	1.46	1.47	1.47	1.48	1.49	1.50	1.50
% Single Winners	76.17%	74.71%	73.96%	73.35%	72.85%	72.34%	72.13%	71.94%	71.62%	71.30%	70.99%	70.76%

Based On 70,000 Computer Simulated Games

## Number 13

1 Way To Win  
1 Balls Not Counted

●		●	●	●
●				●
		●	●	●
●				●
●		●	●	●

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	41.89	40.43	39.60	39.04	38.61	38.26	37.97	37.72	37.50	37.31	37.13	36.97
Average Winners	1.31	1.33	1.34	1.36	1.36	1.37	1.38	1.38	1.38	1.39	1.39	1.39
% Single Winners	78.29%	77.23%	76.78%	76.21%	75.82%	75.39%	75.20%	74.98%	74.77%	74.68%	74.56%	74.49%

Based On 70,000 Computer Simulated Games

## Crazy H

2 Ways To Win

●	●	●	●	●
		●		
		●		
		●		
●	●	●	●	●

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	44.07	42.03	40.89	40.11	39.51	39.04	38.64	38.30	38.01	37.74	37.51	37.29
Average Winners	1.21	1.23	1.24	1.25	1.25	1.26	1.27	1.27	1.28	1.28	1.29	1.29
% Single Winners	83.78%	82.85%	82.18%	81.70%	81.33%	80.97%	80.67%	80.47%	80.27%	80.08%	79.94%	79.74%

# Bingo Patterns

Average Number Of Calls & Average Number Of Winners

Based On 70,000 Computer Simulated Games

## 4 Corner Stamps

1 Way To Win  
N Balls Not Counted

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	42.68	41.25	40.44	39.88	39.46	39.12	38.83	38.59	38.37	38.18	38.01	37.85
Average Winners	1.27	1.28	1.29	1.30	1.30	1.31	1.31	1.31	1.31	1.32	1.32	1.32
% Single Winners	80.08%	79.14%	78.64%	78.42%	78.16%	78.12%	77.87%	77.66%	77.45%	77.30%	77.10%	76.91%

Based On 70,000 Computer Simulated Games

## Bow Tie

1 Way To Win  
N Balls Not Counted

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	42.89	41.49	40.70	40.15	39.74	39.41	39.12	38.88	38.67	38.49	38.32	38.16
Average Winners	1.31	1.33	1.34	1.35	1.35	1.36	1.37	1.37	1.38	1.38	1.38	1.38
% Single Winners	78.23%	77.29%	76.89%	76.47%	76.12%	75.71%	75.48%	75.24%	75.12%	75.03%	74.92%	74.90%

Based On 70,000 Computer Simulated Games

## Sputnik

1 Way To Win

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	45.94	43.75	42.52	41.69	41.05	40.53	40.10	39.74	39.42	39.13	38.87	38.64
Average Winners	1.17	1.18	1.19	1.20	1.21	1.21	1.22	1.22	1.22	1.23	1.23	1.24
% Single Winners	86.05%	85.15%	84.67%	84.12%	83.67%	83.48%	83.24%	83.01%	82.78%	82.55%	82.38%	82.22%

Based On 70,000 Computer Simulated Games

## Zero

1 Way To Win

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	45.94	43.75	42.53	41.70	41.06	40.54	40.11	39.74	39.42	39.13	38.88	38.65
Average Winners	1.17	1.19	1.20	1.21	1.21	1.21	1.21	1.21	1.22	1.22	1.22	1.23
% Single Winners	85.69%	84.90%	84.27%	83.94%	83.80%	83.67%	83.57%	83.40%	83.26%	83.15%	83.04%	82.91%

# Bingo Patterns

Average Number Of Calls & Average Number Of Winners

Based On 70,000 Computer Simulated Games

## Checker Board

1 Way To Win

●		●		●
	●		●	
●		●		●
	●		●	
●		●		●

<b>Total Non Duplicate Cards in Play</b>	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
<b>Average Number of Calls</b>	45.95	43.78	42.56	41.72	41.08	40.56	40.14	39.78	39.46	39.18	38.92	38.69
<b>Average Winners % Single Winners</b>	1.17 86.08%	1.19 84.95%	1.20 84.46%	1.20 84.14%	1.21 83.81%	1.21 83.58%	1.21 83.22%	1.22 82.93%	1.22 82.69%	1.22 82.40%	1.23 82.14%	1.23 81.95%

Based On 70,000 Computer Simulated Games

## Letter Z

1 Way To Win

●	●	●	●	●
			●	
		●		
	●			
●	●	●	●	●

<b>Total Non Duplicate Cards in Play</b>	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
<b>Average Number of Calls</b>	46.00	43.81	42.59	41.75	41.11	40.60	40.18	39.82	39.50	39.22	38.97	38.74
<b>Average Winners % Single Winners</b>	1.17 85.78%	1.19 84.92%	1.20 84.37%	1.20 84.05%	1.21 83.68%	1.21 83.44%	1.22 83.17%	1.22 82.95%	1.22 82.69%	1.23 82.49%	1.23 82.33%	1.23 82.17%

Based On 70,000 Computer Simulated Games

## Hammer Head T

1 Way To Win

●	●	●	●	●
●	●	●	●	●
		●		
		●		
		●		

<b>Total Non Duplicate Cards in Play</b>	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
<b>Average Number of Calls</b>	46.17	44.00	42.79	41.96	41.33	40.83	40.40	40.04	39.72	39.43	39.18	38.95
<b>Average Winners % Single Winners</b>	1.20 84.68%	1.21 83.74%	1.23 83.06%	1.23 82.52%	1.24 82.07%	1.25 81.81%	1.25 81.64%	1.26 81.51%	1.26 81.37%	1.26 81.31%	1.26 81.31%	1.26 81.37%

Based On 70,000 Computer Simulated Games

## Letter I

1 Way To Win

●	●	●	●	●
		●		
		●		
		●		
●	●	●	●	●

<b>Total Non Duplicate Cards in Play</b>	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
<b>Average Number of Calls</b>	46.19	44.03	42.83	41.99	41.36	40.85	40.43	40.06	39.75	39.47	39.22	39.00
<b>Average Winners % Single Winners</b>	1.19 84.88%	1.21 83.82%	1.22 83.30%	1.23 82.82%	1.24 82.41%	1.24 81.96%	1.25 81.57%	1.26 81.34%	1.26 81.06%	1.27 80.81%	1.27 80.62%	1.28 80.38%

# Bingo Patterns

Average Number Of Calls & Average Number Of Winners

Based On 70,000 Computer Simulated Games

## Cactus

1 Way To Win

●		●		●
●		●		●
●	●	●	●	●
		●		
		●		

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	46.48	44.35	43.16	42.34	41.71	41.21	40.79	40.44	40.12	39.85	39.60	39.38
Average Winners % Single Winners	1.22 82.82%	1.24 81.82%	1.26 81.19%	1.27 80.57%	1.28 80.18%	1.28 79.97%	1.29 79.71%	1.29 79.43%	1.30 79.20%	1.30 78.91%	1.31 78.61%	1.31 78.31%

Based On 70,000 Computer Simulated Games

## Corners & Cross

1 Way To Win

●		●		●
		●		
●	●	●	●	●
		●		
●		●		●

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	46.56	44.43	43.24	42.41	41.79	41.28	40.87	40.51	40.19	39.91	39.66	39.43
Average Winners % Single Winners	1.23 82.50%	1.24 81.82%	1.26 81.26%	1.26 80.91%	1.27 80.59%	1.27 80.27%	1.28 79.97%	1.28 79.82%	1.29 79.66%	1.29 79.55%	1.29 79.46%	1.29 79.33%

Based On 70,000 Computer Simulated Games

## Satellite

1 Way To Win

		●		
	●	●	●	
●	●		●	●
	●	●	●	
		●		

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	46.54	44.40	43.21	42.39	41.77	41.27	40.85	40.49	40.18	39.90	39.65	39.43
Average Winners % Single Winners	1.23 82.85%	1.24 81.98%	1.25 81.18%	1.26 80.62%	1.27 80.18%	1.28 79.85%	1.28 79.71%	1.29 79.57%	1.29 79.44%	1.29 79.25%	1.30 79.04%	1.30 78.82%

Based On 70,000 Computer Simulated Games

## Full Diamond

1 Way To Win

		●		
	●	●	●	
●	●	●	●	●
	●	●	●	
		●		

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	46.53	44.39	43.20	42.38	41.75	41.25	40.84	40.49	40.18	39.91	39.67	39.45
Average Winners % Single Winners	1.23 82.65%	1.24 81.80%	1.26 81.06%	1.26 80.74%	1.27 80.49%	1.28 80.17%	1.28 79.84%	1.29 79.59%	1.29 79.38%	1.30 79.19%	1.30 79.08%	1.30 79.00%

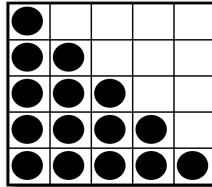
# Bingo Patterns

Average Number Of Calls & Average Number Of Winners

Based On 70,000 Computer Simulated Games

## Crazy Triangle

4 Ways To Win

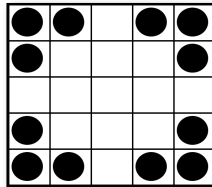


Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	45.76	43.95	42.93	42.23	41.70	41.26	40.90	40.59	40.32	40.08	39.86	39.67
Average Winners % Single Winners	1.22 82.98%	1.24 81.86%	1.25 81.48%	1.26 81.07%	1.26 80.70%	1.27 80.45%	1.27 80.19%	1.27 79.90%	1.28 79.66%	1.28 79.53%	1.28 79.38%	1.28 79.19%

Based On 70,000 Computer Simulated Games

## 4 Brackets All Calls

1 Way To Win  
All Balls In Play & Counted

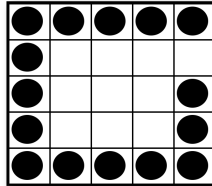


Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	46.81	44.71	43.53	42.71	42.09	41.59	41.18	40.82	40.52	40.24	40.00	39.77
Average Winners % Single Winners	1.26 80.70%	1.29 79.21%	1.30 78.62%	1.31 78.08%	1.32 77.72%	1.33 77.39%	1.33 77.13%	1.34 76.79%	1.35 76.52%	1.35 76.25%	1.36 76.02%	1.36 75.90%

Based On 70,000 Computer Simulated Games

## Broken Frame

One Away From A Large Frame  
16 Ways To Win

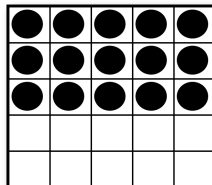


Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	46.08	44.35	43.38	42.72	42.21	41.81	41.47	41.18	40.93	40.71	40.52	40.34
Average Winners % Single Winners	1.27 80.37%	1.30 78.97%	1.31 78.28%	1.33 77.70%	1.34 77.08%	1.35 76.60%	1.35 76.24%	1.36 75.86%	1.37 75.51%	1.38 75.20%	1.38 74.92%	1.39 74.59%

Based On 70,000 Computer Simulated Games

## Top Half Or Bottom Half

2 Ways To Win



Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	47.59	45.66	44.58	43.84	43.28	42.83	42.45	42.13	41.85	41.60	41.38	41.17
Average Winners % Single Winners	1.20 84.24%	1.21 83.47%	1.22 83.06%	1.22 82.82%	1.23 82.50%	1.24 82.24%	1.24 82.00%	1.24 81.86%	1.25 81.68%	1.25 81.60%	1.25 81.45%	1.25 81.34%

# Bingo Patterns

Average Number Of Calls & Average Number Of Winners

Based On 70,000 Computer Simulated Games

## Letter N All Calls

1 Way To Win  
All Balls In Play & Counted

●				●
●	●			●
●		●		●
●			●	●
●				●

<b>Total Non Duplicate Cards in Play</b>	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
<b>Average Number of Calls</b>	47.96	45.97	44.86	44.10	43.53	43.07	42.69	42.37	42.08	41.83	41.60	41.40
<b>Average Winners % Single Winners</b>	1.37 75.20%	1.41 73.69%	1.43 72.85%	1.45 72.18%	1.46 71.42%	1.48 70.74%	1.50 70.15%	1.51 69.86%	1.52 69.55%	1.53 69.25%	1.53 69.02%	1.54 68.78%

Based On 70,000 Computer Simulated Games

## Letter H All Calls

1 Way To Win  
All Balls In Play & Counted

●				●
●				●
●	●	●	●	●
●				●
●				●

<b>Total Non Duplicate Cards in Play</b>	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
<b>Average Number of Calls</b>	48.00	46.03	44.93	44.18	43.61	43.15	42.78	42.45	42.17	41.92	41.70	41.50
<b>Average Winners % Single Winners</b>	1.38 74.99%	1.41 73.45%	1.44 72.46%	1.45 71.93%	1.47 71.41%	1.48 71.00%	1.49 70.63%	1.50 70.25%	1.51 69.95%	1.52 69.71%	1.53 69.55%	1.53 69.39%

Based On 70,000 Computer Simulated Games

## Crazy Outside Double Bars

1 Way To Win

●	●	●	●	●
●	●	●	●	●

<b>Total Non Duplicate Cards in Play</b>	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
<b>Average Number of Calls</b>	47.91	46.13	45.15	44.46	43.94	43.52	43.16	42.86	42.60	42.36	42.15	41.96
<b>Average Winners % Single Winners</b>	1.25 81.51%	1.26 80.50%	1.27 79.99%	1.28 79.46%	1.29 79.04%	1.30 78.67%	1.30 78.36%	1.31 78.04%	1.31 77.90%	1.31 77.80%	1.32 77.66%	1.32 77.52%

Based On 70,000 Computer Simulated Games

## BIN Or NGO

2 Ways To Win

●	●	●		
●	●	●		
●	●	●		
●	●	●		
●	●	●		

<b>Total Non Duplicate Cards in Play</b>	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
<b>Average Number of Calls</b>	48.15	46.32	45.30	44.59	44.05	43.61	43.25	42.95	42.68	42.44	42.23	42.03
<b>Average Winners % Single Winners</b>	1.28 79.71%	1.30 78.62%	1.31 77.90%	1.32 77.49%	1.33 77.13%	1.34 76.78%	1.35 76.47%	1.35 76.06%	1.36 75.85%	1.36 75.73%	1.37 75.57%	1.37 75.42%

# Bingo Patterns

Average Number Of Calls & Average Number Of Winners

Based On 70,000 Computer Simulated Games

## Layer Cake

1 Way To Win

●	●	●	●	●
●	●	●	●	●
●	●	●	●	●

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	49.56	47.55	46.42	45.64	45.05	44.57	44.17	43.83	43.53	43.26	43.02	42.81
Average Winners % Single Winners	1.19 84.98%	1.20 84.08%	1.21 83.70%	1.21 83.33%	1.22 82.95%	1.22 82.82%	1.22 82.72%	1.23 82.55%	1.23 82.39%	1.23 82.27%	1.24 82.20%	1.24 82.13%

Based On 70,000 Computer Simulated Games

## No Sign

1 Way To Win

	●	●	●	
●			●	●
●		●		●
●	●			●
	●	●	●	

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	49.57	47.57	46.44	45.67	45.08	44.61	44.21	43.87	43.57	43.31	43.07	42.85
Average Winners % Single Winners	1.19 85.08%	1.20 84.23%	1.21 83.67%	1.21 83.17%	1.22 82.79%	1.23 82.43%	1.23 82.18%	1.24 81.93%	1.24 81.74%	1.24 81.57%	1.24 81.43%	1.25 81.33%

Based On 70,000 Computer Simulated Games

## Letter E

1 Way To Win

●	●	●	●	●
●				
●	●	●	●	●
●				
●	●	●	●	●

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	50.05	48.10	47.01	46.26	45.69	45.23	44.84	44.50	44.22	43.96	43.73	43.52
Average Winners % Single Winners	1.24 82.32%	1.26 81.25%	1.28 80.69%	1.29 80.09%	1.29 79.60%	1.30 79.34%	1.30 79.14%	1.30 79.01%	1.31 78.86%	1.31 78.79%	1.31 78.75%	1.31 78.73%

Based On 70,000 Computer Simulated Games

## Letter A

1 Way To Win

●	●	●	●	●
●				●
●	●	●	●	●
●				●
●				●

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	51.95	50.11	49.07	48.36	47.82	47.38	47.02	46.71	46.43	46.19	45.98	45.78
Average Winners % Single Winners	1.30 78.98%	1.32 77.90%	1.34 76.98%	1.35 76.53%	1.36 76.15%	1.36 75.88%	1.37 75.71%	1.38 75.42%	1.38 75.23%	1.38 75.05%	1.39 74.90%	1.39 74.67%

# Bingo Patterns

Average Number Of Calls & Average Number Of Winners

Based On 70,000 Computer Simulated Games

## Number 13 All Calls

1 Way To Win  
All Balls In Play & Counted

●		●	●	●
●				●
●		●	●	●
●				●
●		●	●	●

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	52.18	50.37	49.35	48.65	48.11	47.68	47.31	47.00	46.73	46.49	46.27	46.08
Average Winners	1.31	1.34	1.35	1.36	1.37	1.38	1.38	1.39	1.39	1.40	1.40	1.41
% Single Winners	78.11%	77.08%	76.45%	75.93%	75.56%	75.28%	75.06%	74.73%	74.47%	74.22%	74.01%	73.90%

Based On 70,000 Computer Simulated Games

## Indian Star

1 Way To Win

●		●		●
	●	●	●	
●	●	●	●	●
	●	●	●	
●		●		●

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	52.51	50.66	49.61	48.88	48.32	47.87	47.50	47.18	46.90	46.65	46.43	46.22
Average Winners	1.20	1.22	1.22	1.23	1.23	1.23	1.23	1.23	1.24	1.24	1.24	1.25
% Single Winners	83.77%	82.97%	82.77%	82.75%	82.79%	82.65%	82.45%	82.18%	81.93%	81.75%	81.49%	81.36%

Based On 70,000 Computer Simulated Games

## Letter S

1 Way To Win

●	●	●	●	●
●				
●	●	●	●	●
				●
●	●	●	●	●

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	52.62	50.78	49.75	49.03	48.48	48.04	47.67	47.35	47.07	46.83	46.61	46.41
Average Winners	1.22	1.23	1.24	1.25	1.25	1.25	1.26	1.26	1.27	1.27	1.27	1.28
% Single Winners	83.09%	82.42%	81.91%	81.67%	81.42%	81.16%	80.87%	80.69%	80.49%	80.36%	80.21%	80.04%

Based On 70,000 Computer Simulated Games

## Large Frame

1 Way To Win

●	●	●	●	●
●				●
●				●
●				●
●	●	●	●	●

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	53.12	51.34	50.34	49.64	49.11	48.68	48.33	48.02	47.75	47.52	47.30	47.11
Average Winners	1.28	1.30	1.31	1.32	1.32	1.33	1.33	1.34	1.34	1.34	1.34	1.35
% Single Winners	80.10%	79.25%	78.72%	78.45%	78.28%	77.94%	77.66%	77.53%	77.40%	77.25%	77.14%	77.05%



# Bingo Patterns

Average Number Of Calls & Average Number Of Winners

Based On 70,000 Computer Simulated Games

## Tic Tac Toe

1 Way To Win

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	53.15	51.37	50.37	49.68	49.15	48.72	48.36	48.05	47.79	47.55	47.33	47.14
Average Winners % Single Winners	1.28 79.98%	1.30 79.21%	1.31 78.67%	1.31 78.46%	1.32 78.14%	1.33 77.86%	1.33 77.49%	1.34 77.15%	1.35 76.87%	1.35 76.64%	1.35 76.50%	1.36 76.38%

Based On 70,000 Computer Simulated Games

## Ladder

1 Way To Win

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	53.14	51.38	50.39	49.70	49.18	48.76	48.41	48.11	47.84	47.61	47.39	47.20
Average Winners % Single Winners	1.28 80.10%	1.30 78.92%	1.32 78.23%	1.33 77.67%	1.34 77.31%	1.34 77.11%	1.35 76.92%	1.35 76.67%	1.36 76.57%	1.36 76.55%	1.36 76.64%	1.36 76.63%

Based On 70,000 Computer Simulated Games

## 4 Corner Stamps All Calls

1 Way To Win  
All Balls In Play & Counted

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	53.24	51.47	50.46	49.77	49.24	48.81	48.46	48.15	47.88	47.64	47.43	47.24
Average Winners % Single Winners	1.27 80.08%	1.28 79.14%	1.29 78.64%	1.30 78.42%	1.30 78.16%	1.31 78.12%	1.31 77.87%	1.31 77.66%	1.31 77.45%	1.32 77.30%	1.32 77.10%	1.32 76.91%

Based On 70,000 Computer Simulated Games

## Bow Tie All Calls

1 Way To Win  
All Balls In Play & Counted

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	53.44	51.69	50.71	50.04	49.52	49.11	48.76	48.46	48.20	47.97	47.76	47.57
Average Winners % Single Winners	1.31 78.23%	1.33 77.29%	1.34 76.89%	1.35 76.47%	1.35 76.12%	1.36 75.71%	1.37 75.48%	1.37 75.24%	1.38 75.12%	1.38 75.03%	1.38 74.92%	1.38 74.90%

# Bingo Patterns

Average Number Of Calls & Average Number Of Winners

Based On 70,000 Computer Simulated Games

## 23 & Free

24 Ways To Win

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	54.99	53.63	52.86	52.32	51.90	51.57	51.29	51.05	50.84	50.65	50.48	50.33
Average Winners % Single Winners	1.29 79.04%	1.30 78.13%	1.31 77.79%	1.32 77.65%	1.32 77.44%	1.33 77.22%	1.33 77.05%	1.33 76.95%	1.33 76.89%	1.33 76.82%	1.33 76.75%	1.33 76.71%

Based On 70,000 Computer Simulated Games

## Cross & Frame

1 Way To Win

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	57.11	55.56	54.69	54.08	53.62	53.24	52.92	52.65	52.42	52.21	52.02	51.85
Average Winners % Single Winners	1.27 80.23%	1.28 79.74%	1.29 79.23%	1.30 78.75%	1.30 78.44%	1.31 78.21%	1.31 78.04%	1.31 77.95%	1.32 77.81%	1.32 77.71%	1.33 77.62%	1.33 77.63%

Based On 70,000 Computer Simulated Games

## Letter X & Frame

1 Way To Win

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	57.18	55.66	54.79	54.19	53.73	53.35	53.04	52.78	52.55	52.34	52.16	51.99
Average Winners % Single Winners	1.28 79.57%	1.29 78.79%	1.30 78.33%	1.31 78.03%	1.32 77.66%	1.33 77.49%	1.33 77.37%	1.33 77.13%	1.34 76.96%	1.34 76.77%	1.35 76.56%	1.35 76.36%

Based On 70,000 Computer Simulated Games

## Highway All Calls

1 Way To Win  
All Balls In Play & Counted

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	57.67	56.18	55.34	54.75	54.31	53.94	53.64	53.38	53.15	52.94	52.76	52.59
Average Winners % Single Winners	1.33 76.74%	1.35 75.82%	1.36 75.13%	1.37 74.73%	1.38 74.39%	1.38 74.38%	1.39 74.31%	1.39 74.30%	1.39 74.30%	1.39 74.21%	1.39 74.17%	1.39 74.10%

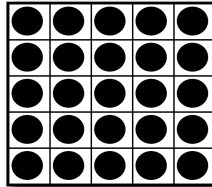
# Bingo Patterns

Average Number Of Calls & Average Number Of Winners

Based On 70,000 Computer Simulated Games

## Coverall

1 Way To Win

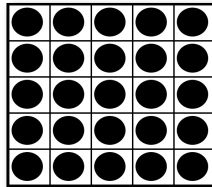


Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	60.17	58.84	58.08	57.55	57.14	56.81	56.53	56.29	56.08	55.90	55.73	55.58
Average Winners % Single Winners	1.30 78.12%	1.32 77.60%	1.32 77.57%	1.32 77.45%	1.32 77.39%	1.32 77.34%	1.33 77.25%	1.33 77.20%	1.33 77.08%	1.33 76.90%	1.33 76.72%	1.33 76.56%

Based On 70,000 Computer Simulated Games

## Second Chance Coverall

After First Winner(s), Game Continues Until Another Winner

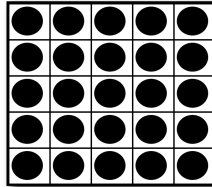


Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	62.46	61.56	61.06	60.72	60.47	60.26	60.09	59.94	59.81	59.70	59.59	59.50
Average Winners % Single Winners	1.74 57.21%	1.75 59.31%	1.76 59.74%	1.76 60.05%	1.76 60.16%	1.77 60.20%	1.77 60.17%	1.77 60.10%	1.78 59.94%	1.78 59.91%	1.79 59.82%	1.79 59.70%

Based On 70,000 Computer Simulated Games

## Third Chance Coverall

After First 2 Winner(s), Game Continues Until Another Winner

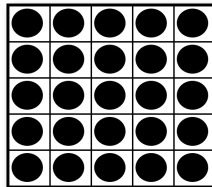


Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	63.86	63.11	62.70	62.43	62.23	62.06	61.93	61.82	61.72	61.63	61.55	61.48
Average Winners % Single Winners	2.44 37.52%	2.41 42.20%	2.40 44.04%	2.40 44.99%	2.39 45.64%	2.40 46.11%	2.40 46.45%	2.41 46.67%	2.41 46.80%	2.41 46.92%	2.41 47.01%	2.41 47.08%

Based On 70,000 Computer Simulated Games

## Fourth Chance Coverall

After First 3 Winner(s), Game Continues Until Another Winner



Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	65.01	64.31	63.95	63.71	63.52	63.38	63.26	63.16	63.07	62.99	62.92	62.86
Average Winners % Single Winners	3.53 21.74%	3.43 27.08%	3.38 29.70%	3.36 31.18%	3.34 32.21%	3.33 33.00%	3.32 33.69%	3.31 34.28%	3.30 34.77%	3.29 35.17%	3.28 35.42%	3.27 35.70%

# Bingo Patterns

Average Number Of Calls & Average Number Of Winners

Based On 70,000 Computer Simulated Games

## Any 6 Pack With Wild Ball

●	●	●		
●	●	●		

24 Ways To Win  
Wild Balls NOT COUNTED  
All Balls Ending With Ending Number Of First  
Call Are Wild

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	7.83	6.49	5.80	5.35	5.02	4.76	4.56	4.38	4.23	4.11	3.99	3.89
Average Winners % Single Winners	1.33 76.27%	1.41 72.81%	1.46 70.68%	1.51 68.90%	1.55 67.51%	1.59 66.35%	1.62 65.45%	1.65 64.61%	1.68 63.83%	1.71 63.12%	1.73 62.52%	1.75 62.02%

Based On 70,000 Computer Simulated Games

## Corner 6 Pack With Wild Ball

●	●			
●	●			
●	●			

8 Ways To Win  
Wild Balls NOT COUNTED  
All Balls Ending With Ending Number Of First  
Call Are Wild

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	13.32	11.57	10.64	10.02	9.56	9.19	8.90	8.64	8.43	8.23	8.06	7.91
Average Winners % Single Winners	1.25 80.86%	1.30 78.27%	1.33 76.89%	1.36 75.84%	1.38 75.00%	1.39 74.18%	1.41 73.41%	1.42 72.84%	1.44 72.35%	1.45 71.88%	1.46 71.41%	1.47 70.99%

Based On 70,000 Computer Simulated Games

## Large Frame Odd/Even Wild Ball

●	●	●	●	●
●				●
●				●
●				●
●	●	●	●	●

1 Way To Win  
Wild Balls NOT COUNTED  
Either Odd Or Even Numbers Wild Based On  
First Call

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	15.29	13.38	12.27	11.48	10.89	10.41	10.01	9.65	9.34	9.07	8.83	8.60
Average Winners % Single Winners	1.27 80.91%	1.28 80.13%	1.29 80.10%	1.29 79.95%	1.29 79.89%	1.29 79.82%	1.29 79.83%	1.29 79.83%	1.29 79.88%	1.29 79.93%	1.29 79.90%	1.29 79.94%

Based On 70,000 Computer Simulated Games

## Any 2 Lines With Wild Ball

	●			
●	●	●	●	●
	●			
	●			
	●			

66 Ways To Win  
Wild Balls NOT COUNTED  
All Balls Ending With Ending Number Of First  
Call Are Wild

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	16.66	15.04	14.16	13.57	13.12	12.77	12.48	12.23	12.02	11.83	11.66	11.51
Average Winners % Single Winners	1.22 82.42%	1.25 81.08%	1.26 80.32%	1.28 79.58%	1.29 78.87%	1.30 78.35%	1.31 77.84%	1.32 77.40%	1.33 77.07%	1.33 76.83%	1.34 76.68%	1.34 76.61%

# Bingo Patterns

Average Number Of Calls & Average Number Of Winners

Based On 70,000 Computer Simulated Games

## Any Block Of 9 With Wild Ball

●	●	●		
●	●	●		
●	●	●		

<b>Total Non Duplicate Cards in Play</b>	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
<b>Average Number of Calls</b>	20.87	18.97	17.94	17.24	16.72	16.31	15.96	15.68	15.42	15.20	15.00	14.82
<b>Average Winners % Single Winners</b>	1.23 82.26%	1.26 80.34%	1.28 79.13%	1.30 78.13%	1.32 77.36%	1.33 76.68%	1.35 76.19%	1.36 75.72%	1.37 75.38%	1.38 75.10%	1.38 74.91%	1.39 74.77%

9 Ways To Win  
Wild Balls NOT COUNTED  
All Balls Ending With Ending Number Of First Call Are Wild

Based On 70,000 Computer Simulated Games

## Coverall Odd/Even Wild Ball

●	●	●	●	●
●	●	●	●	●
●	●	●	●	●
●	●	●	●	●
●	●	●	●	●

<b>Total Non Duplicate Cards in Play</b>	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
<b>Average Number of Calls</b>	22.51	21.15	20.38	19.85	19.44	19.11	18.83	18.59	18.38	18.20	18.03	17.88
<b>Average Winners % Single Winners</b>	1.29 78.94%	1.30 78.49%	1.31 77.97%	1.31 77.65%	1.32 77.44%	1.33 77.23%	1.33 77.08%	1.33 76.89%	1.34 76.66%	1.34 76.51%	1.34 76.30%	1.34 76.06%

1 Way To Win  
Wild Balls NOT COUNTED  
Either Odd Or Even Numbers Wild Based On First Call

Based On 70,000 Computer Simulated Games

## Any 3 Lines With Wild Ball

●	●	●	●	●
		●		
●	●	●	●	●
		●		
		●		

<b>Total Non Duplicate Cards in Play</b>	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
<b>Average Number of Calls</b>	24.13	22.55	21.68	21.08	20.64	20.28	19.98	19.73	19.51	19.31	19.13	18.98
<b>Average Winners % Single Winners</b>	1.23 82.32%	1.24 81.31%	1.25 80.60%	1.26 80.01%	1.27 79.43%	1.28 78.93%	1.29 78.52%	1.29 78.15%	1.30 77.87%	1.30 77.61%	1.31 77.42%	1.31 77.29%

220 Ways To Win  
Wild Balls NOT COUNTED  
All Balls Ending With Ending Number Of First Call Are Wild

Based On 70,000 Computer Simulated Games

## Large Frame With Wild Ball

●	●	●	●	●
●				●
●				●
●				●
●	●	●	●	●

<b>Total Non Duplicate Cards in Play</b>	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
<b>Average Number of Calls</b>	45.55	43.76	42.75	42.05	41.51	41.08	40.71	40.40	40.13	39.89	39.68	39.48
<b>Average Winners % Single Winners</b>	1.28 80.21%	1.30 79.12%	1.31 78.61%	1.32 78.46%	1.33 78.22%	1.33 78.07%	1.34 77.87%	1.34 77.70%	1.35 77.48%	1.35 77.23%	1.36 76.99%	1.36 76.78%

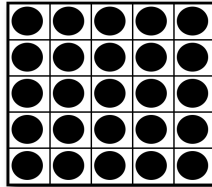
1 Way To Win  
Wild Balls NOT COUNTED  
All Balls Ending With Ending Number Of First Call Are Wild

# Bingo Patterns

Average Number Of Calls & Average Number Of Winners

Based On 70,000 Computer Simulated Games

## Coverall With Wild Ball

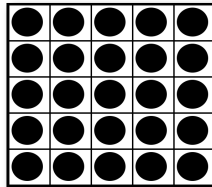


1 Way To Win  
Wild Balls NOT COUNTED  
All Balls Ending With Ending Number Of First  
Call Are Wild

Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	52.63	51.30	50.53	50.00	49.59	49.26	48.98	48.74	48.53	48.34	48.17	48.02
Average Winners % Single Winners	1.30 78.66%	1.31 78.16%	1.31 77.72%	1.32 77.41%	1.32 77.13%	1.33 77.16%	1.33 77.18%	1.33 77.00%	1.34 76.85%	1.34 76.69%	1.34 76.56%	1.34 76.46%

Based On 70,000 Computer Simulated Games

## Coverall Odd/Even Wild Ball



1 Way To Win  
Wild Balls COUNTED  
Either Odd Or Even Numbers Wild Based On  
First Call

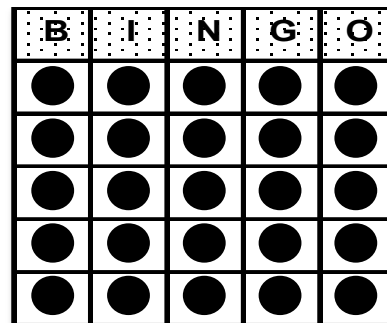
Total Non Duplicate Cards in Play	500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	5,500	6,000
Average Number of Calls	60.02	58.66	57.89	57.36	56.95	56.62	56.34	56.10	55.89	55.71	55.54	55.39
Average Winners % Single Winners	1.29 78.94%	1.30 78.49%	1.31 77.97%	1.31 77.65%	1.32 77.44%	1.33 77.23%	1.33 77.08%	1.33 76.89%	1.34 76.66%	1.34 76.51%	1.34 76.30%	1.34 76.06%

# Coverall / Blackout

(1 Way To Win)

Based On 70,000 Computer Simulated Games

Cannot Guarantee Any Specific Return or Income



## Number of Non Duplicate Cards in Play

Total Balls Called	500 Cards	1,000 Cards	1,500 Cards	2,000 Cards	2,500 Cards	3,000 Cards	3,500 Cards	4,000 Cards	4,500 Cards	5,000 Cards	5,500 Cards	6,000 Cards
43	0.00%	0.00%	0.00%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.02%	0.02%	0.02%
44	0.00%	0.01%	0.01%	0.01%	0.02%	0.02%	0.02%	0.02%	0.03%	0.03%	0.03%	0.04%
45	0.01%	0.02%	0.03%	0.04%	0.05%	0.06%	0.08%	0.09%	0.10%	0.11%	0.12%	0.13%
46	0.02%	0.04%	0.06%	0.07%	0.09%	0.11%	0.13%	0.15%	0.17%	0.18%	0.20%	0.22%
47	0.04%	0.09%	0.13%	0.17%	0.22%	0.26%	0.30%	0.34%	0.39%	0.43%	0.47%	0.52%
48	0.08%	0.15%	0.23%	0.31%	0.38%	0.46%	0.54%	0.62%	0.69%	0.77%	0.85%	0.92%
49	0.13%	0.26%	0.39%	0.52%	0.65%	0.78%	0.92%	1.05%	1.18%	1.31%	1.44%	1.57%
50	0.24%	0.48%	0.72%	0.96%	1.20%	1.44%	1.68%	1.92%	2.16%	2.40%	2.64%	2.88%
51	0.44%	0.88%	1.32%	1.76%	2.20%	2.64%	3.07%	3.51%	3.94%	4.37%	4.80%	5.23%
52	0.80%	1.60%	2.39%	3.16%	3.93%	4.70%	5.47%	6.23%	6.99%	7.74%	8.48%	9.21%
53	1.49%	2.97%	4.41%	5.83%	7.22%	8.59%	9.94%	11.27%	12.58%	13.87%	15.14%	16.37%
54	2.65%	5.25%	7.76%	10.19%	12.54%	14.83%	17.04%	19.20%	21.29%	23.33%	25.31%	27.22%
55	4.74%	9.26%	13.54%	17.60%	21.45%	25.11%	28.61%	31.92%	35.07%	38.06%	40.92%	43.62%
56	8.10%	15.55%	22.31%	28.46%	34.07%	39.20%	43.96%	48.30%	52.24%	55.85%	59.15%	62.16%
57	13.67%	25.36%	35.34%	43.82%	51.08%	57.33%	62.71%	67.34%	71.35%	74.83%	77.80%	80.39%
58	22.12%	39.12%	52.25%	62.38%	70.13%	76.22%	80.93%	84.72%	87.72%	90.05%	91.87%	93.32%
59	34.03%	55.94%	70.33%	79.76%	86.04%	90.38%	93.25%	95.18%	96.50%	97.42%	98.07%	98.52%
60	49.79%	74.11%	86.08%	92.25%	95.58%	97.43%	98.45%	99.06%	99.39%	99.59%	99.72%	99.81%
61	67.45%	88.55%	95.62%	98.23%	99.25%	99.69%	99.85%	99.93%	99.96%	99.98%	99.99%	100.00%
62	83.84%	96.85%	99.27%	99.81%	99.94%	99.97%	99.98%	100.00%	100.00%	100.00%	100.00%	100.00%
63	94.40%	99.53%	99.96%	99.99%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
64	98.80%	99.98%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
65	99.91%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
66	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
67	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Average Number of Calls	60.17	58.84	58.08	57.55	57.14	56.81	56.53	56.29	56.08	55.90	55.73	55.58

