

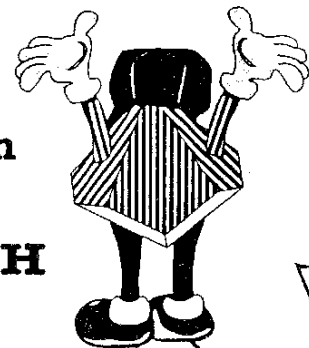
**box cars
and
one-eyed jacks®**

Presents

**POWER PLAY
GAMES FOR PLACE VALUE**

**Presented by
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ROLL'N ON PLACE VALUE



TO BEGIN

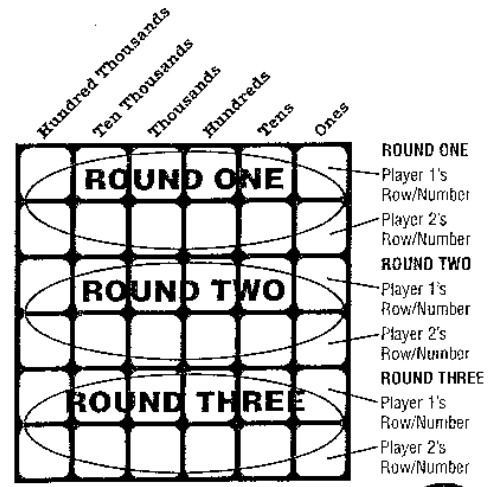
Dicers select their own colour of dice. The dice will be rolled alternately one at a time by the players throughout the game. A total of three rounds will be played (see example 7).

THE GOAL

The goal of the game is to be the player who creates the largest six-digit number in each round.

TO WIN

A Dicer must be the first one to win two out of three rounds. To start the first round player number one rolls a die and selects the best place value position in their row. For example, if player one rolls a two, the "tens" position might be selected. Player two now might roll a five and place it in the "ten thousands" position of their row. Once a die is placed in any place value position it cannot be moved. Remember, this is a game of chance. It depends on chance whether you throw the number you want on the die. Be a risk-taker and make a calculated guess. The more you play, the better you'll play. Players alternate taking their remaining five rolls, each building their own hundred thousands number - keeping in mind the goal of the game is to create the largest number possible.

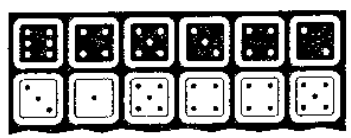


Example 7



ROLL'N ON PLACE VALUE (CONTINUED)

Player 1 rolls a 5
 Player 2 rolls a 4
 Player 1 rolls a 3
 Player 2 rolls a 4
 Player 1 rolls a 6
 Player 2 rolls a 5
 Player 1 rolls a 4
 Player 2 rolls a 5
 Player 1 rolls a 2
 Player 2 rolls a 1
 Player 1 rolls a 4
 Player 2 rolls a 3



Example 8

Once all dice have been placed, players say their numbers out loud and compare them to determine which player has made the greatest hundred thousands number. This Dicer wins that round. In example 8, player one wins round one. Play continues into round two and if necessary a third round is played to determine the overall winner.

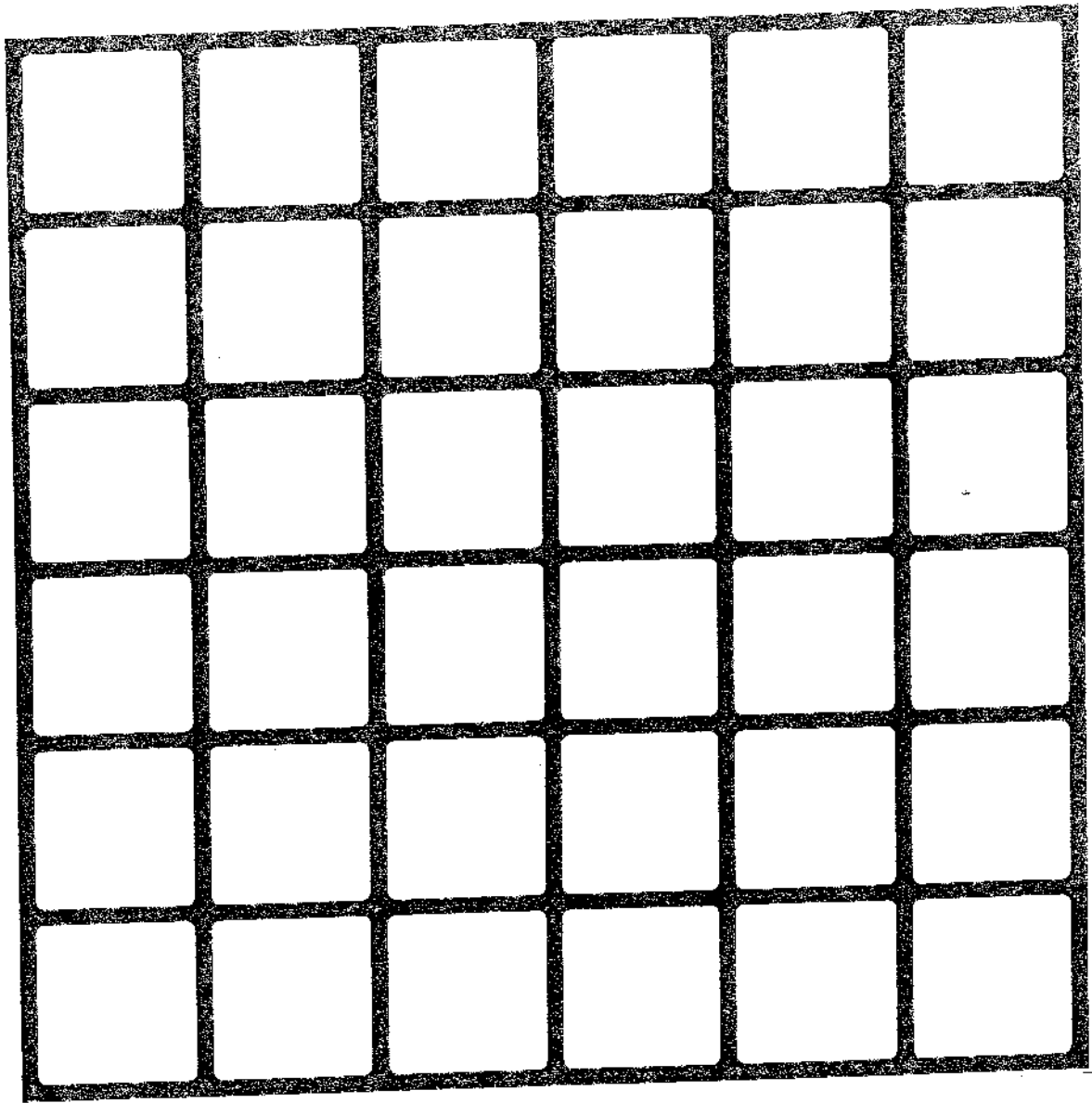
VARIATION I

To decrease the level of difficulty players may roll less dice ie., only four dice per player to build a thousands number or three dice each to build a hundreds number.

VARIATION II

Dicers can agree to change the goal of the game and now attempt to build the smallest six-digit number in each round. A roll of 1 or 2 is now considered a "nice dice" roll! The lowest number you could possibly roll would be 111,111. What would the probability of that be?

Player one's number is 645,342 which beats player two's number 315,445.



Hundred Board TIC TAC TOE

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Flippin' Out



Tens

Ones

Tens

Ones

Player One

Player Two

Flippin' Out Variation

000	100	200	300	400	500	600	700	800	900	1000
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------

Hundreds	Tens	Ones	Hundreds	Tens	Ones
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Player One

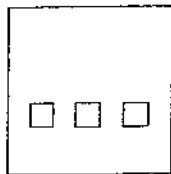
Player Two

BETWEENERS

USING THREE IN A CUBE DICE

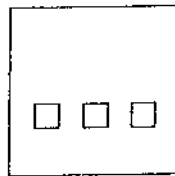
READ AND CHUNK PLACE VALUE

ROLL 1

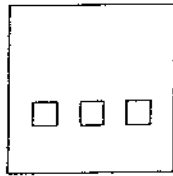


Hundreds
Tens
Ones

ROLL 2

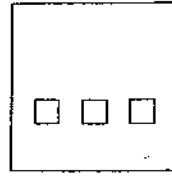


Hundred Thousands
Ten Thousands
Thousands

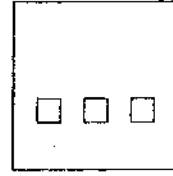


Hundreds
Tens
Ones

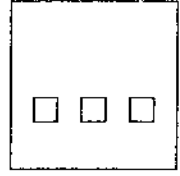
ROLL 3



Hundred Millions
Ten Millions
Millions



Hundred Thousands
Ten Thousands
Thousands



Hundreds
Tens
Ones

WARM UP:

ROLL THREE IN A CUBE TO BUILD THE GREATEST NUMBER POSSIBLE

ROLL THREE IN A CUBE TO BUILD THE LEAST NUMBER POSSIBLE

ASSIGN RED/WHITE/BLUE AS HUNDREDS/TENS/ONES (UNITS)

TO PLAY

ROLL AND HIDE CUBE

BUILD THE BEST "BETWEEN" NUMBER. WRITE NUMBER DOWN

COMPARE AND SCORE. BETWEEN NUMBER WINS 1 POINT

EXAMPLE

246
351
556

BETWEENERS

