

Jackpot

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Casino chips are sent attached with "Correct!" notices from Puzzle Central, and the chip you receive for each correct submission is determined by the number of puzzles you have solved, rather than by the puzzle itself. Teams are also given 5 bonus chips at around the distribution of the third wave.

The chips are:

Chip#	Binary letter	Morse code letter
1	(R) 52 01010010	K
2	(A) 41 01000001	A
3	(S) 53 01010011	R
4	(N) 6E 01101110	O
5	(D) 64 01100100	D
6	(E) 65 01100101	F
7	(U) 56 01010110	D
8	(G) 47 01000111	N
9	(R) 52 01010010	I
10	(U) 75 01110101	4
11	(D) 64 01100100	S
12	(N) 6E 01101110	O
13	(O) 6F 01101111	W
14	(O) 6F 01101111	D
15	(D) 64 01100100	A
16	(O) 6F 01101111	D
17	(N) 6E 01101110	C
18	(W) 57 01010111	A
19	(U) 75 01110101	R
20	(A) 61 01100001	5

There are two important pieces of information, the binary and the Morse code, and both generate letters (and numbers)

Lay out the chips on a roulette table using the border colors, and the coloring of the stripes around the outer edge of the chip. The color in the stripes should match that of the neighboring chips stripe. White means no neighbors. Here's the layout:

Square	Chip#	Decoded letters from binary
1	9	R
2	13	O
3	-	
4	19	U
5	12	N
6	-	
7	11	D
8	20	A
9	4	N
10	-	
11	5	D
12	-	
13	1	R
14	-	

15	-	
16	16	O
17	10	U
18	-	
19	17	N
20	-	
21	15	D
22	-	
23	18	W
24	6	E
25	-	
26	-	
27	8	G
28	-	
29	14	O
30	7	U
31	-	
32	-	
33	3	S
34	-	
35	-	
36	2	A

“Round and round we go” combined with the phrases you receive with your “Correct!” e mail suggests a roulette wheel. The USA suggests that you use the American roulette wheel.

Now lay out the chips in the order the corresponding numbers appear on the roulette wheel.

Wheel#	Chip#	Decoded message from Morse code
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0	-	
28	-	
9	4	O
26	-	
30	7	D
11	5	D
7	11	S
20	-	
32	-	
17	10	4
5	12	O
22	-	
34	-	
15	-	
3	-	
24	6	F
36	2	A
13	1	K
1	9	I
00	-	
27	8	N
10	-	
25	-	
29	14	D
12	-	
8	20	5
19	17	C
31	-	
18	-	

6	-	
21	15	A
33	3	R
16	16	D
4	19	R
23	18	A
35	-	
14	-	
2	13	W

If you start at the "0" on the wheel, this spells out ODDS4OFAKIND5CARDRAW or more clearly as a question: "What are the odds of four of a kind in five card draw?" which is **1 in 4165** (or 1:4164), and that is the final answer.