Hardrock Hundred 2019, Else Lottery Chances

Entry slots: 65, Lotteries: 1000000

Distribution of tickets: 11 40 52 43 43 28 6 1 1 1 0 0 0 0 0 0 0 0 0 1

Entrants: 227, Total Tickets: 891

An average of 79.3 tickets were chosen in each lottery to fill 65 slots

11	holders of	1	tickets have a	8.5	percent chance of getting in.	Expected number =	0.9	Expected Range =	-0.0	-	1.9
40	holders of	2	tickets have a	16.3	percent chance of getting in.	Expected number =	6.5	Expected Range =	4.0	-	9.1
52	holders of	3	tickets have a	23.5	percent chance of getting in.	Expected number =	12.2	Expected Range =	8.7	-	15.7
43	holders of	4	tickets have a	30.0	percent chance of getting in.	Expected number =	12.9	Expected Range =	9.3	-	16.5
43	holders of	5	tickets have a	36.0	percent chance of getting in.	Expected number =	15.5	Expected Range =	11.6	-	19.4
28	holders of	6	tickets have a	41.5	percent chance of getting in.	Expected number =	11.6	Expected Range =	8.2	-	15.0
6	holders of	7	tickets have a	46.5	percent chance of getting in.	Expected number =	2.8	Expected Range =	1.1	-	4.5
1	holders of	8	tickets have a	51.0	percent chance of getting in.	Expected number =	0.5	Expected Range =	-0.2	-	1.2
1	holders of	9	tickets have a	55.4	percent chance of getting in.	Expected number =	0.6	Expected Range =	-0.2	-	1.3
1	holders of	10	tickets have a	59.1	percent chance of getting in.	Expected number =	0.6	Expected Range =	-0.2	-	1.4
1	holders of	20	tickets have a	83.2	percent chance of getting in.	Expected number =	0.8	Expected Range =	-0.1	-	1.7

Entrants with this # of tickets:	1	2	3	4	5	6	7	8	9	10	20
Were chosen 0 times in this # of lotteries:	371552	496	0	0	0	0	21854	490152	446477	409173	168006
Were chosen 1 times in this # of lotteries:	388631	4325	1	0	0	2	119458	509848	553523	590827	831994
Were chosen 2 times in this # of lotteries:	180849	18562	26	10	0	23	267849	0	0	0	0
Were chosen 3 times in this # of lotteries:	49101	52029	170	61	1	145	312853	0	0	0	0
Were chosen 4 times in this # of lotteries:	8742	101789	882	280	10	744	201443	0	0	0	0
Were chosen 5 times in this # of lotteries:	1028	152282	3292	1251	74	3185	67356	0	0	0	0
Were chosen 6 times in this # of lotteries:	88	179774	9645	4577	289	10350	9187	0	0	0	0
Were chosen 7 times in this # of lotteries:	9	171625	22613	12223	1072	26366	0	0	0	0	0
Were chosen 8 times in this # of lotteries:	0	136676	45262	27940	3271	54652	0	0	0	0	0
Were chosen 9 times in this # of lotteries:	0	90629	76425	52954	9038	93853	0	0	0	0	0
Were chosen 10 times in this # of lotteries:	0	51478	109786	84874	19883	133450	0	0	0	0	0
Were chosen 11 times in this # of lotteries:	0	24545	134750	118047	39305	160832	0	0	0	0	0
Were chosen 12 times in this # of lotteries:	0	10331	146465	141299	66430	162451	0	0	0	0	0
Were chosen 13 times in this # of lotteries:	0	3837	137506	147894	97421	138221	0	0	0	0	0
Were chosen 14 times in this # of lotteries:	0	1216	114753	134464	125620	100359	0	0	0	0	0
Were chosen 15 times in this # of lotteries:	0	321	84514	107423	141569	61923	0	0	0	0	0
Were chosen 16 times in this # of lotteries:	0	72	54371	74810	139786	32113	0	0	0	0	0
Were chosen 17 times in this # of lotteries:	0	12	31376	46360	122517	14016	0	0	0	0	0
Were chosen 18 times in this # of lotteries:	0	1	16069	25214	94354	5206	0	0	0	0	0
Were chosen 19 times in this # of lotteries:	0	0	7473	12267	64351	1611	0	0	0	0	0
Were chosen 20 times in this # of lotteries:	0	0	3006	5080	38661	393	0	0	0	0	0
Were chosen 21 times in this # of lotteries:	0	0	1086	2066	20511	84	0	0	0	0	0
Were chosen 22 times in this # of lotteries:	0	0	388	643	9646	18	0	0	0	0	0
Were chosen 23 times in this # of lotteries:	0	0	106	196	4108	3	0	0	0	0	0
Were chosen 24 times in this # of lotteries:	0	0	22	52	1462	0	0	0	0	0	0
Were chosen 25 times in this # of lotteries:	0	0	9	14	458	0	0	0	0	0	0
Were chosen 26 times in this # of lotteries:	0	0	3	0	122	0	0	0	0	0	0
Were chosen 27 times in this # of lotteries:	0	0	1	1	35	0	0	0	0	0	0
Were chosen 28 times in this # of lotteries:	0	0	0	0	5	0	0	0	0	0	0
Were chosen 29 times in this # of lotteries:	0	0	0	0	1	0	0	0	0	0	0
Were chosen 30 times in this # of lotteries:	0	0	0	0	0	0	0	0	0	0	0

Hardrock Hundred 2019, Never Lottery Chances

Entry slots: 45, Lotteries: 1000000

Distribution of tickets: 778 552 0 340 0 0 0 229 0 0 0 0 0 0 0 155 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 104 0 0 0 0 0 0 0 0 0 0 0 0
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Entrants: 2223, Total Tickets: 16834

An average of 48.4 tickets were chosen in each lottery to fill 45 slots

778 holders of 1 tickets have a 0.3 percent chance of getting in. Expected number = 2.2 Expected Range = 0.7 - 3.7
552 holders of 2 tickets have a 0.6 percent chance of getting in. Expected number = 3.2 Expected Range = 1.4 - 4.9
340 holders of 4 tickets have a 1.1 percent chance of getting in. Expected number = 3.9 Expected Range = 1.9 - 5.9
229 holders of 8 tickets have a 2.3 percent chance of getting in. Expected number = 5.2 Expected Range = 2.9 - 7.5
155 holders of 16 tickets have a 4.5 percent chance of getting in. Expected number = 7.0 Expected Range = 4.3 - 9.6
104 holders of 32 tickets have a 8.8 percent chance of getting in. Expected number = 9.1 Expected Range = 6.1 - 12.2
45 holders of 64 tickets have a 16.8 percent chance of getting in. Expected number = 7.6 Expected Range = 4.8 - 10.3
18 holders of 128 tickets have a 30.8 percent chance of getting in. Expected number = 5.5 Expected Range = 3.2 - 7.9
1 holders of 256 tickets have a 52.3 percent chance of getting in. Expected number = 0.5 Expected Range = -0.2 - 1.2
1 holders of 512 tickets have a 77.1 percent chance of getting in. Expected number = 0.8 Expected Range = -0.1 - 1.6

Entrants with this # of tickets:	1	2	4	8	16	32	64	128	256	512
Were chosen 0 times in this # of lotteries:	100461	36560	16472	3559	424	19	140	918	477401	229104
Were chosen 1 times in this # of lotteries:	237837	126862	71529	21901	3508	283	1257	8256	522599	770896
Were chosen 2 times in this # of lotteries:	274775	213470	151156	65181	15530	1701	6798	34715	0	0
Were chosen 3 times in this # of lotteries:	205207	232354	207478	125058	41983	6729	22919	89944	0	0
Were chosen 4 times in this # of lotteries:	111433	184657	206403	174476	84479	19509	54786	160334	0	0
Were chosen 5 times in this # of lotteries:	47727	113936	160200	188743	130413	43937	100128	206486	0	0
Were chosen 6 times in this # of lotteries:	16386	56817	99924	163741	161916	78665	144733	200597	0	0
Were chosen 7 times in this # of lotteries:	4755	23679	51750	118776	167003	117306	170496	150984	0	0
Were chosen 8 times in this # of lotteries:	1142	8228	22502	72244	145067	145465	165544	87976	0	0
Were chosen 9 times in this # of lotteries:	228	2561	8726	38231	108238	153875	135006	40138	0	0
Were chosen 10 times in this # of lotteries:	41	653	2774	17509	69419	141554	93972	14335	0	0
Were chosen 11 times in this # of lotteries:	7	179	827	6968	38906	113087	55483	4184	0	0
Were chosen 12 times in this # of lotteries:	1	38	205	2555	19655	79446	28539	954	0	0
Were chosen 13 times in this # of lotteries:	0	6	42	768	8643	49185	12863	151	0	0
Were chosen 14 times in this # of lotteries:	0	0	12	217	3194	26850	5041	25	0	0
Were chosen 15 times in this # of lotteries:	0	0	0	59	1138	13312	1672	3	0	0
Were chosen 16 times in this # of lotteries:	0	0	0	10	374	5641	479	0	0	0
Were chosen 17 times in this # of lotteries:	0	0	0	4	86	2262	110	0	0	0
Were chosen 18 times in this # of lotteries:	0	0	0	0	19	820	31	0	0	0
Were chosen 19 times in this # of lotteries:	0	0	0	0	5	271	3	0	0	0
Were chosen 20 times in this # of lotteries:	0	0	0	0	0	65	0	0	0	0
Were chosen 21 times in this # of lotteries:	0	0	0	0	0	15	0	0	0	0
Were chosen 22 times in this # of lotteries:	0	0	0	0	0	2	0	0	0	0
Were chosen 23 times in this # of lotteries:	0	0	0	0	0	1	0	0	0	0
Were chosen 24 times in this # of lotteries:	0	0	0	0	0	0	0	0	0	0

Hardrock Hundred 2019, Veteran Lottery Chances

Entry slots: 33, Lotteries: 1000000

Distribution of tickets: 0 0 0 0 7 7 4 3 3 1 1 2 2 1 0 3 0 0 0 0 0 1 0 1 0 0 1

Entrants: 37, Total Tickets: 362

An average of 101.9 tickets were chosen in each lottery to fill 33 slots

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  7 holders of  5 tickets have a 77.5 percent chance of getting in.  Expected number =  5.4  Expected Range =  3.1 -  7.8
  7 holders of  6 tickets have a 83.3 percent chance of getting in.  Expected number =  5.8  Expected Range =  3.4 -  8.2
  4 holders of  7 tickets have a 87.5 percent chance of getting in.  Expected number =  3.5  Expected Range =  1.6 -  5.4
  3 holders of  8 tickets have a 90.6 percent chance of getting in.  Expected number =  2.7  Expected Range =  1.1 -  4.4
  3 holders of  9 tickets have a 93.0 percent chance of getting in.  Expected number =  2.8  Expected Range =  1.1 -  4.5
  1 holders of 10 tickets have a 94.7 percent chance of getting in.  Expected number =  0.9  Expected Range = -0.0 -  1.9
  1 holders of 11 tickets have a 95.9 percent chance of getting in.  Expected number =  1.0  Expected Range = -0.0 -  1.9
  2 holders of 12 tickets have a 96.9 percent chance of getting in.  Expected number =  1.9  Expected Range =  0.5 -  3.3
  2 holders of 13 tickets have a 97.6 percent chance of getting in.  Expected number =  2.0  Expected Range =  0.6 -  3.3
  1 holders of 14 tickets have a 98.2 percent chance of getting in.  Expected number =  1.0  Expected Range = -0.0 -  2.0
  3 holders of 16 tickets have a 98.9 percent chance of getting in.  Expected number =  3.0  Expected Range =  1.2 -  4.7
  1 holders of 22 tickets have a 99.7 percent chance of getting in.  Expected number =  1.0  Expected Range = -0.0 -  2.0
  1 holders of 24 tickets have a 99.8 percent chance of getting in.  Expected number =  1.0  Expected Range = -0.0 -  2.0
  1 holders of 27 tickets have a 99.9 percent chance of getting in.  Expected number =  1.0  Expected Range = -0.0 -  2.0
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Entrants with this # of tickets:	5	6	7	8	9	10	11	12	13	14	16	22	24	27
Were chosen 0 times in this # of lotteries:	0	0	24	330	126	53482	40512	787	420	18230	0	2507	1584	795
Were chosen 1 times in this # of lotteries:	0	0	3035	18879	10834	946518	959488	60919	46755	981770	308	997493	998416	999205
Were chosen 2 times in this # of lotteries:	0	0	62576	242596	189435	0	0	938294	952825	0	32392	0	0	0
Were chosen 3 times in this # of lotteries:	13965	3323	365478	738195	799605	0	0	0	0	0	967300	0	0	0
Were chosen 4 times in this # of lotteries:	134808	56909	568887	0	0	0	0	0	0	0	0	0	0	0
Were chosen 5 times in this # of lotteries:	373635	270299	0	0	0	0	0	0	0	0	0	0	0	0
Were chosen 6 times in this # of lotteries:	367237	447730	0	0	0	0	0	0	0	0	0	0	0	0
Were chosen 7 times in this # of lotteries:	110355	221739	0	0	0	0	0	0	0	0	0	0	0	0
Were chosen 8 times in this # of lotteries:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Were chosen 9 times in this # of lotteries:	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Were chosen 10 times in this # of lotteries:	0	0	0	0	0	0	0	0	0	0	0	0	0	0