

Password breakability comparing the length of the password to the number of possible characters. Times are based on a modern computer processing 100,000 possibilities per second.

Seconds

Length	Single-case Letters & Numbers			Single-case letters, numbers, symbols & punctuation
	Single-case Letters	Numbers	Dual-case Letters	
	26	36	52	68
3	0.18	0.47	1.41	3.14
4	4.57	16.80	73.12	213.81
5	118.81	604.66	3802.04	14539.34
6	3089.16	21767.82	197706.10	988674.83
7	80318.10	783641.64	10280717.03	67229888.18
8	2088270.65	28211099.07	534597285.31	4571632396.53
9	54295036.79	1015599566.68	27799058836.36	310871002964.30
10	1411670956.53	36561584400.63	1445551059490.57	21139228201572.10
11	36703444869.88	1316217038422.67	75168655093509.70	1437467517706900.00
12	954289566616.82	47383813383216.20	3908770064862500.00	97747791204069400.00

Minutes

Length	Single-case Letters & Numbers			Single-case letters, numbers, symbols & punctuation
	Single-case Letters	Numbers	Dual-case Letters	
	26	36	52	68
3	0.00	0.01	0.02	0.05
4	0.08	0.28	1.22	3.56
5	1.98	10.08	63.37	242.32
6	51.49	362.80	3295.10	16477.91
7	1338.64	13060.69	171345.28	1120498.14
8	34804.51	470184.98	8909954.76	76193873.28
9	904917.28	16926659.44	463317647.27	5181183382.74
10	23527849.28	609359740.01	24092517658.18	352320470026.20
11	611724081.16	21936950640.38	1252810918225.16	23957791961781.70
12	15904826110.28	789730223053.60	65146167747708.40	1629129853401160.00

Hours

Length	Single-case Letters & Numbers			Single-case letters, numbers, symbols & punctuation
	Single-case Letters	Numbers	Dual-case Letters	
	26	36	52	68
3	0.00	0.00	0.00	0.00
4	0.00	0.00	0.02	0.06
5	0.03	0.17	1.06	4.04
6	0.86	6.05	54.92	274.63
7	22.31	217.68	2855.75	18674.97
8	580.08	7836.42	148499.25	1269897.89
9	15081.95	282110.99	7721960.79	86353056.38
10	392130.82	10155995.67	401541960.97	5872007833.77
11	10195401.35	365615844.01	20880181970.42	399296532696.36
12	265080435.17	13162170384.23	1085769462461.81	27152164223352.60

Days

Length	Single-case Letters & Numbers			Single-case letters, numbers, symbols & punctuation
	Single-case Letters	Numbers	Dual-case Letters	
	26	36	52	68
3	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00
5	0.00	0.01	0.04	0.17
6	0.04	0.25	2.29	11.44
7	0.93	9.07	118.99	778.12
8	24.17	326.52	6187.47	52912.41
9	628.41	11754.62	321748.37	3598044.02
10	16338.78	423166.49	16730915.04	244666993.07
11	424808.39	15233993.50	870007582.10	16637355529.02
12	11045018.13	548423766.01	45240394269.24	1131340175973.03

Years

Length	Single-case Letters & Numbers		Dual-case Letters	Single-case letters, numbers, symbols & punctuation
	Single-case Letters	Numbers		
	26	36	52	68
3	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00
6	0.00	0.00	0.01	0.03
7	0.00	0.02	0.33	2.13
8	0.07	0.89	16.95	144.97
9	1.72	32.20	881.50	9857.65
10	44.76	1159.36	45838.12	670320.53
11	1163.86	41736.97	2383582.42	45581795.97
12	30260.32	1502530.87	123946285.67	3099562125.95

Centuries

Length	Single-case Letters & Numbers		Dual-case Letters	Single-case letters, numbers, symbols & punctuation
	Single-case Letters	Numbers		
	26	36	52	68
3	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.02
8	0.00	0.01	0.17	1.45
9	0.02	0.32	8.82	98.58
10	0.45	11.59	458.38	6703.21
11	11.64	417.37	23835.82	455817.96
12	302.60	15025.31	1239462.86	30995621.26

Millenia

Length	Single-case Letters & Numbers		Dual-case Letters	Single-case letters, numbers, symbols & punctuation
	Single-case Letters	Numbers		
	26	36	52	68
3	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00
8	0.00	0.00	0.02	0.14
9	0.00	0.03	0.88	9.86
10	0.04	1.16	45.84	670.32
11	1.16	41.74	2383.58	45581.80
12	30.26	1502.53	123946.29	3099562.13