

RANDOM NUMBER TABLE

452	141	356	426	435	665	245	216	233	164	314	214
361	514	265	263	364	432	411	346	455	263	534	134
245	364	661	653	354	464	243	221	261	436	225	432
652	154	525	464	664	421	553	361	236	521	362	143
536	162	456	112	552	513	362	554	644	651	555	543
633	525	512	152	355	226	456	316	641	556	121	361
432	445	443	445	551	542	113	542	636	216	335	226
163	333	434	262	232	133	616	323	113	622	452	325
231	336	665	523	555	652	114	131	515	141	616	623
664	435	134	535	262	513	542	642	225	364	411	144
436	152	652	164	625	332	642	364	144	526	636	366
245	455	616	651	356	555	133	523	161	665	213	454
462	526	111	133	616	432	156	541	554	362	233	444
663	421	561	133	464	555	335	543	333	122	144	555
332	516	132	465	634	662	233	144	663	422	613	534
266	622	526	111	121	511	236	663	166	456	614	625
362	351	616	461	453	354	513	334	565	611	134	335
255	452	411	656	553	364	312	161	242	551	622	515
611	264	634	124	454	621	113	556	225	436	115	334
536	315	631	511	365	345	521	541	534	154	461	216
625	132	651	446	455	553	433	553	356	222	365	464
662	365	454	612	625	235	116	351	655	544	341	455
411	563	636	453	665	615	466	565	355	621	362	445
566	116	215	334	231	221	513	555	214	343	335	152
421	446	324	253	566	626	264	352	311	344	135	133
632	341	661	133	152	452	154	524	445	533	361	542
545	264	365	441	436	516	346	633	643	656	655	436
253	115	414	341	615	614	633	244	656	642	313	232
554	215	355	454	134	251	422	216	564	523	315	244
631	351	214	431	224	534	123	141	462	446	263	646
254	546	366	414	152	436	641	543	563	425	345	221
534	211	622	215	555	453	126	221	223	655	356	444
632	356	234	523	442	523	333	431	243	521	311	236
655	132	226	231	631	562	316	323	361	115	311	311
366	353	535	622	665	464	412	465	624	564	432	353
214	366	562	643	534	433	244	113	164	312	162	562
142	223	644	233	422	436	214	322	142	525	661	631
143	123	626	363	335	444	332	364	621	253	365	611
136	354	415	363	531	366	656	613	622	142	225	666
422	526	115	455	153	124	463	113	532	545	433	654
161	524	365	133	345	416	534	221	121	635	516	355
135	541	311	544	126	646	466	665	362	345	612	444
413	221	132	142	365	456	625	142	141	223	665	442
142	543	232	124	515	235	543	626	664	351	246	156
614	323	142	512	534	616	114	621	431	133	623	152
313	416	424	311	454	242	332	435	331	513	115	422
423	634	135	555	453	124	613	164	566	151	515	454
132	231	251	165	644	511	153	223	461	362	455	652
422	163	441	512	246	141	423	655	346	361	316	324
411	161	563	155	652	514	122	432	435	635	541	565
513	156	226	443	441	462	446	263	651	261	563	463
125	642	442	534	456	464	526	641	423	351	312	414
422	132	132	261	552	336	642	312	225	533	654	464
551	256	261	451	324	245	532	335	333	235	314	332

BATTING AVERAGE RATING CHART (Switch Hitter)

Left column when facing left handed pitcher.
Right column when facing right handed pitcher.

.023	1-1-5/1-1-5	.048	1-2-6/1-2-4	.073	1-3-3/1-3-4	.098	1-4-4/1-4-3	.123	1-5-1/1-5-3	.148	1-6-2/1-6-2	.173	2-1-3/2-1-1	.198	2-1-6/2-2-1	.223	2-3-1/2-2-6
.024	1-1-6/1-1-5	.049	1-2-3/1-2-5	.074	1-3-4/1-3-4	.099	1-4-5/1-4-3	.124	1-5-2/1-5-3	.149	1-6-3/1-6-2	.174	1-6-6/2-1-2	.199	2-2-1/2-2-1	.224	2-3-2/2-2-6
.025	1-2-1/1-1-5	.050	1-2-4/1-2-5	.075	1-3-5/1-3-4	.100	1-4-6/1-4-4	.125	1-5-3/1-5-3	.150	1-6-4/1-6-2	.175	2-1-1/2-2-1	.200	2-2-2/2-2-1	.225	2-3-2/2-2-3
.026	1-1-4/1-1-6	.051	1-2-5/1-2-5	.076	1-3-6/1-3-4	.101	1-4-7/1-4-4	.126	1-5-4/1-5-3	.151	1-6-5/1-6-3	.176	2-1-2/2-1-2	.201	2-2-3/2-2-1	.226	2-3-2/2-3-1
.027	1-1-5/1-1-6	.052	1-2-6/1-2-5	.077	1-3-3/1-3-5	.102	1-4-8/1-4-4	.127	1-5-5/1-5-3	.152	1-6-6/1-6-3	.177	2-1-3/2-2-2	.202	2-2-4/2-2-2	.227	2-3-1/2-3-1
.028	1-1-6/1-1-6	.053	1-3-1/1-2-5	.078	1-3-4/1-3-5	.103	1-4-5/1-4-4	.128	1-5-2/1-5-4	.153	1-6-3/1-6-3	.178	2-1-4/2-1-2	.203	2-2-1/2-2-2	.228	2-3-2/2-3-1
.029	1-2-1/1-1-6	.054	1-2-5/1-2-6	.079	1-3-5/1-3-5	.104	1-4-6/1-4-4	.129	1-5-3/1-5-4	.154	1-6-4/1-6-3	.179	2-1-1/2-1-3	.204	2-2-2/2-2-2	.229	2-3-3/2-3-1
.030	1-2-2/1-1-6	.055	1-2-6/1-2-6	.080	1-3-6/1-3-5	.105	1-4-7/1-4-5	.130	1-5-4/1-5-4	.155	1-6-5/1-6-3	.180	2-1-2/2-1-3	.205	2-2-3/2-2-2	.230	2-3-2/2-3-2
.031	1-1-6/1-2-1	.056	1-3-1/1-2-6	.081	1-3-4/1-3-6	.106	1-4-4/1-4-5	.131	1-5-5/1-5-4	.156	1-6-3/1-6-4	.181	2-1-3/2-1-3	.206	2-2-1/2-2-3	.231	2-3-1/2-3-2
.032	1-2-1/1-2-1	.057	1-3-2/1-2-6	.082	1-3-5/1-3-6	.107	1-4-5/1-4-5	.132	1-5-3/1-5-5	.157	1-6-4/1-6-4	.182	2-1-4/2-1-3	.207	2-2-2/2-2-3	.232	2-3-2/2-3-2
.033	1-2-2/1-2-1	.058	1-2-5/1-3-1	.083	1-3-6/1-3-6	.108	1-4-6/1-4-6	.133	1-5-4/1-5-5	.158	1-6-5/1-6-5	.183	2-1-2/2-1-4	.208	2-2-3/2-2-3	.233	2-3-3/2-3-2
.034	1-2-3/1-2-1	.059	1-2-6/1-3-1	.084	1-4-1/1-3-6	.109	1-4-4/1-4-6	.134	1-5-5/1-5-5	.159	1-6-6/1-6-4	.184	2-1-3/2-1-4	.209	2-2-4/2-2-3	.234	2-3-1/2-3-3
.035	1-1-6/1-2-2	.060	1-3-1/1-3-1	.085	1-4-2/1-3-6	.110	1-4-5/1-4-6	.135	1-5-6/1-5-5	.160	1-6-3/1-6-5	.185	2-1-4/2-1-4	.210	2-2-5/2-2-3	.235	2-3-2/2-3-3
.036	1-2-1/1-2-2	.061	1-3-2/1-3-1	.086	1-3-5/1-4-1	.111	1-4-6/1-4-6	.136	1-5-4/1-5-6	.161	1-6-4/1-6-5	.186	2-1-5/2-1-4	.211	2-2-2/2-2-4	.236	2-3-3/2-3-3
.037	1-2-2/1-2-2	.062	1-3-3/1-3-1	.087	1-3-6/1-4-1	.112	1-5-1/1-4-6	.137	1-5-5/1-5-6	.162	1-6-5/1-6-5	.187	2-1-6/2-1-4	.212	2-2-3/2-2-4	.237	2-3-4/2-3-3
.038	1-2-3/1-2-2	.063	1-2-6/1-3-2	.088	1-4-1/1-4-1	.113	1-5-2/1-4-6	.138	1-5-5/1-5-6	.163	1-6-6/1-6-5	.188	2-1-3/2-1-5	.213	2-2-4/2-2-4	.238	2-3-5/2-3-3
.039	1-2-4/1-2-2	.064	1-3-1/1-3-2	.089	1-4-2/1-4-1	.114	1-4-5/1-4-5	.139	1-5-6/1-5-6	.164	1-6-1/1-6-5	.189	2-1-4/2-1-5	.214	2-2-5/2-2-4	.239	2-3-2/2-3-4
.040	1-2-1/1-2-3	.065	1-3-2/1-3-2	.090	1-4-3/1-4-1	.115	1-4-6/1-4-5	.140	1-6-1/1-5-1	.165	1-6-4/1-6-6	.190	2-1-5/2-1-5	.215	2-2-6/2-2-4	.240	2-3-3/2-3-4
.041	1-2-2/1-2-3	.066	1-3-3/1-3-2	.091	1-3-6/1-4-2	.116	1-5-1/1-5-1	.141	1-6-2/1-5-6	.166	1-6-5/1-6-6	.191	2-1-6/2-1-5	.216	2-2-3/2-2-5	.241	2-3-4/2-3-4
.042	1-2-3/1-2-3	.067	1-3-4/1-3-2	.092	1-4-1/1-4-2	.117	1-5-2/1-5-1	.142	1-6-3/1-6-1	.167	1-6-6/1-6-6	.192	2-2-1/2-1-5	.217	2-2-4/2-2-5	.242	2-3-5/2-3-4
.043	1-2-4/1-2-3	.068	1-3-5/1-3-3	.093	1-4-2/1-4-2	.118	1-5-3/1-5-1	.143	1-6-4/1-6-1	.168	1-6-1/1-6-6	.193	2-2-2/2-1-6	.218	2-2-5/2-2-5	.243	2-3-6/2-3-4
.044	1-2-2/1-2-4	.069	1-3-3/1-3-3	.094	1-4-3/1-4-2	.119	1-5-1/1-5-2	.144	1-6-1/1-6-1	.169	1-6-5/2-1-1	.194	2-1-6/2-1-6	.219	2-2-6/2-2-5	.244	2-3-4/2-3-5
.045	1-2-3/1-2-4	.070	1-3-4/1-3-3	.095	1-4-1/1-4-3	.120	1-5-2/1-5-2	.145	1-6-2/1-6-1	.170	1-6-6/2-1-1	.195	2-2-1/2-1-6	.220	2-2-4/2-2-6	.245	2-3-5/2-3-5
.046	1-2-4/1-2-4	.071	1-3-5/1-3-3	.096	1-4-2/1-4-3	.121	1-5-3/1-5-3	.146	1-6-3/1-6-2	.171	1-6-1/1-6-2	.196	2-2-2/2-1-6	.221	2-2-5/2-2-6	.246	2-3-6/2-3-5
.047	1-2-5/1-2-4	.072	1-3-2/1-3-4	.097	1-4-3/1-4-3	.122	1-5-4/1-5-2	.147	1-6-1/1-6-2	.172	1-6-2/2-1-1	.197	2-1-5/2-1-1	.222	2-2-6/2-2-6	.247	2-3-1/2-3-5
.248	2-3-4/2-3-6	.273	2-4-5/2-4-5	.298	2-5-6/2-5-4	.323	2-6-3/2-6-4	.348	3-1-4/3-1-3	.373	3-2-1/3-2-3	.398	3-3-2/3-3-2	.423	3-4-3/3-4-1	.448	3-4-6/3-5-1
.249	2-3-5/2-3-6	.274	2-4-6/2-4-5	.299	2-5-3/2-5-5	.324	2-6-4/2-6-4	.349	3-1-5/3-1-3	.374	3-2-2/3-2-3	.399	3-3-3/3-3-2	.424	3-4-4/3-4-2	.449	3-5-1/3-5-1
.250	2-3-6/2-3-6	.275	2-5-1/2-4-5	.300	2-5-4/2-5-5	.325	2-6-5/2-6-4	.350	3-2-3/3-2-3	.375	3-2-3/3-2-3	.400	3-3-4/3-3-2	.425	3-4-5/3-4-2	.450	3-5-2/3-5-1
.251	2-4-1/2-3-6	.276	2-4-4/2-4-6	.301	2-5-5/2-5-5	.326	2-6-6/2-6-4	.351	3-1-3/3-1-4	.376	3-2-4/3-2-3	.401	3-3-1/3-3-3	.426	3-4-2/3-4-2	.451	3-5-3/3-5-1
.252	2-4-2/2-3-6	.277	2-4-5/2-4-6	.302	2-5-6/2-5-5	.327	2-6-6/2-6-5	.352	3-1-4/3-1-4	.377	3-2-5/3-2-3	.402	3-3-2/3-3-3	.427	3-4-3/3-4-2	.452	3-4-6/3-5-2
.253	2-3-5/2-4-1	.278	2-4-6/2-4-6	.303	2-6-1/2-5-5	.328	2-6-4/2-6-5	.353	3-1-5/3-1-4	.378	3-2-6/3-2-4	.403	3-3-3/3-3-3	.428	3-4-4/3-4-2	.453	3-5-1/3-5-2
.254	2-3-6/2-4-1	.279	2-5-1/2-4-6	.304	2-5-4/2-5-6	.329	2-6-5/2-6-5	.354	3-1-6/3-1-4	.379	3-2-7/3-2-4	.404	3-3-4/3-3-3	.429	3-4-1/3-4-3	.454	3-5-2/3-5-2
.255	2-4-1/2-4-1	.280	2-5-2/2-4-6	.305	2-5-5/2-5-6	.330	2-6-6/2-6-6	.355	3-1-3/3-1-5	.380	3-2-8/3-2-4	.405	3-3-5/3-3-3	.430	3-4-2/3-4-3	.455	3-5-3/3-5-2
.256	2-4-2/2-4-1	.281	2-4-6/2-5-1	.306	2-5-6/2-5-6	.331	2-6-4/2-6-6	.356	3-1-4/3-1-5	.381	3-2-5/3-2-4	.406	3-3-6/3-3-4	.431	3-4-3/3-4-3	.456	3-5-4/3-5-2
.257	2-3-6/2-4-2	.282	2-5-1/2-5-1	.307	2-6-1/2-5-6	.332	2-6-5/2-6-6	.357	3-1-5/3-1-5	.382	3-2-6/3-2-5	.407	3-3-7/3-3-4	.432	3-4-4/3-4-3	.457	3-5-5/3-5-3
.258	2-4-1/2-4-2	.283	2-5-2/2-5-1	.308	2-5-5/2-5-1	.333	2-6-6/2-6-6	.358	3-1-6/3-1-5	.383	3-2-7/3-2-5	.408	3-3-8/3-3-4	.433	3-4-5/3-4-4	.458	3-5-6/3-5-3
.259	2-4-2/2-4-2	.284	2-5-3/2-5-1	.309	2-5-6/2-6-1	.334	3-1-1/2-6-6	.359	3-1-6/3-1-6	.384	3-2-8/3-2-5	.409	3-3-9/3-3-4	.434	3-4-6/3-4-4	.459	3-5-7/3-5-3
.260	2-4-3/2-4-2	.285	2-4-6/2-5-2	.310	2-6-1/2-6-1	.335	3-1-2/2-6-6	.360	3-1-5/3-1-6	.385	3-2-9/3-2-5	.410	3-3-3/3-3-5	.435	3-4-7/3-4-4	.460	3-5-8/3-5-3
.261	2-4-4/2-4-2	.286	2-5-1/2-5-2	.311	2-6-2/2-6-1	.336	2-6-6/3-1-1	.361	3-1-6/3-1-6	.386	3-2-10/3-2-5	.411	3-3-4/3-3-5	.436	3-4-8/3-4-5	.461	3-5-9/3-5-4
.262	2-4-1/2-4-3	.287	2-5-2/2-5-2	.312	2-6-3/2-6-1	.337	2-6-6/3-1-1	.362	3-1-7/3-1-6	.387	3-2-11/3-2-6	.412	3-3-5/3-3-5	.437	3-4-9/3-4-5	.462	3-5-10/3-5-4
.263	2-4-2/2-4-3	.288	2-5-3/2-5-2	.313	2-6-4/2-6-2	.338	3-1-1/3-1-1	.363	3-1-8/3-1-6	.388	3-2-12/3-2-6	.413	3-3-6/3-3-5	.438	3-4-10/3-4-5	.463	3-5-11/3-5-4
.264	2-4-3/2-4-3	.289	2-5-4/2-5-2	.314	2-6-5/2-6-2	.339	3-1-2/3-1-1	.364	3-1-9/3-1-6	.389	3-2-13/3-2-6	.414	3-3-7/3-3-5	.439	3-4-11/3-4-5	.464	3-5-12/3-5-4
.265	2-4-4/2-4-3	.290	2-5-1/2-5-3	.315	2-6-6/2-6-2	.340	3-1-3/3-1-1	.365	3-1-10/3-1-6	.390	3-2-14/3-2-6	.415	3-3-8/3-3-5	.440	3-4-12/3-4-5	.465	3-5-13/3-5-4
.266	2-4-5/2-4-3	.291	2-5-2/2-5-3	.316	2-6-7/2-6-2	.341	2-6-6/3-1-2	.366	3-1-11/3-1-6	.391	3-2-15/3-2-6	.416	3-3-9/3-3-5	.441	3-4-13/3-4-5	.466	3-5-14/3-5-5
.267	2-4-6/2-4-3	.292	2-5-3/2-5-3	.317	2-6-8/2-6-2	.342	3-1-4/3-1-2	.367	3-1-12/3-1-6	.392	3-2-16/3-2-6	.417	3-3-10/3-3-5	.442	3-4-14/3-4-5	.467	3-5-15/3-5-5
.268	2-4-1/2-4-4	.293	2-5-4/2-5-3	.318	2-6-9/2-6-3	.343	3-1-5/3-1-2	.368	3-1-13/3-1-6	.393	3-2-17/3-2-6	.418	3-3-11/3-3-5	.443	3-4-15/3-4-5	.468	3-5-16/3-5-5
.269	2-4-2/2-4-4	.294	2-5-5/2-5-4	.319	2-6-10/2-6-3	.344	3-1-6/3-1-2	.369	3-1-14/3-1-6	.394	3-2-18/3-2-6	.419	3-3-12/3-3-5	.444	3-4-16/3-4-5	.469	3-5-17/3-5-5
.270	2-4-3/2-4-4	.295	2-5-6/2-5-4	.320	2-6-11/2-6-3	.345	3-1-7/3-1-2	.370	3-1-15/3-1-6	.395	3-2-19/3-2-6	.420	3-3-13/3-3-5	.445	3-4-17/3-4-5	.470	3-5-18/3-5-5
.271	2-4-4/2-4-5	.296	2-5-1/2-5-5	.321	2-6-12/2-6-3	.346	3-1-8/3-1-2	.371	3-1-16/3-1-6	.396	3-2-20/3-2-6	.421	3-3-14/3-3-5	.446	3-4-18/3-4-5	.471	3-5-19/3-5-5
.272	2-4-5/2-4-5	.297	2-5-2/2-5-5	.322	2-6-13/2-6-4	.347	3-1-9/3-1-3	.372	3-1-17/3-1-6	.397	3-2-21/3-2-6	.422	3-3-15/3-3-5	.447	3-4-19/3-4-5	.472	3-5-20/3-5-5

BATTING AVERAGE RATING CHART (Right Handed Batters)

Left column when facing left handed pitcher.
Right column when facing right handed pitcher.

.023 1-2-3/1-1-4	.048 1-3-4/1-2-3	.073 1-4-1/1-3-3	.098 1-5-2/1-4-2	.123 1-5-5/1-5-2	.148 1-6-6/1-6-1	.173 2-2-1/1-6-6	.198 2-2-4/2-1-6	.223 2-3-5/2-2-5
.024 1-2-4/1-1-4	.049 1-3-1/1-2-4	.074 1-4-2/1-3-3	.099 1-5-3/1-4-2	.124 1-5-6/1-5-2	.149 2-1-1/1-6-1	.174 2-1-4/2-1-1	.199 2-2-5/2-1-6	.224 2-3-6/2-2-5
.025 1-2-5/1-1-4	.050 1-3-2/1-2-4	.075 1-4-3/1-3-3	.100 1-5-4/1-4-3	.125 1-6-1/1-5-2	.150 2-1-2/1-6-1	.175 2-1-5/2-1-1	.200 2-2-6/2-1-6	.225 2-3-7/2-2-6
.026 1-2-6/1-1-5	.051 1-3-3/1-2-4	.076 1-4-4/1-3-3	.101 1-5-5/1-4-3	.126 1-6-2/1-5-2	.151 1-6-5/1-6-2	.176 2-1-6/2-1-1	.201 2-2-7/2-1-6	.226 2-3-8/2-2-6
.027 1-2-7/1-1-5	.052 1-3-4/1-2-4	.077 1-4-5/1-3-4	.102 1-5-6/1-4-3	.127 1-6-3/1-5-2	.152 1-6-6/1-6-2	.177 2-1-7/2-1-1	.202 2-2-8/2-2-1	.227 2-3-9/2-2-6
.028 1-2-8/1-1-5	.053 1-3-5/1-2-4	.078 1-4-6/1-3-4	.103 1-5-7/1-4-3	.128 1-6-4/1-5-3	.153 2-1-1/1-6-2	.178 2-1-8/2-1-1	.203 2-2-9/2-2-1	.228 2-3-10/2-2-6
.029 1-2-9/1-1-5	.054 1-3-6/1-2-5	.079 1-4-7/1-3-4	.104 1-5-8/1-4-3	.129 1-6-5/1-5-3	.154 2-1-2/1-6-2	.179 2-1-9/2-1-1	.204 2-2-10/2-2-1	.229 2-3-11/2-2-6
.030 1-2-10/1-1-5	.055 1-3-7/1-2-5	.080 1-4-8/1-3-4	.105 1-5-9/1-4-4	.130 1-6-6/1-5-3	.155 2-1-3/1-6-2	.180 2-1-10/2-1-2	.205 2-2-11/2-2-1	.230 2-3-12/2-2-6
.031 1-2-11/1-6	.056 1-3-8/1-2-5	.081 1-4-9/1-3-5	.106 1-5-10/1-4-4	.131 1-6-7/1-5-4	.156 2-1-4/1-6-3	.181 2-1-11/2-1-2	.206 2-2-12/2-2-2	.231 2-3-13/2-2-6
.032 1-2-12/1-6	.057 1-3-9/1-2-5	.082 1-4-10/1-3-5	.107 1-5-11/1-4-4	.132 1-6-8/1-5-4	.157 2-1-5/1-6-3	.182 2-1-12/2-1-2	.207 2-2-13/2-2-2	.232 2-3-14/2-2-6
.033 1-2-13/1-6	.058 1-3-10/1-2-6	.083 1-4-11/1-3-5	.108 1-5-12/1-4-5	.133 1-6-9/1-5-4	.158 2-1-6/1-6-3	.183 2-1-13/2-1-3	.208 2-2-14/2-2-2	.233 2-3-15/2-2-6
.034 1-3-1/1-1-6	.059 1-3-4/1-2-6	.084 1-4-12/1-3-6	.109 1-5-13/1-4-5	.134 1-6-10/1-5-5	.159 2-1-7/1-6-4	.184 2-1-14/2-1-3	.209 2-2-15/2-2-2	.234 2-3-16/2-2-6
.035 1-2-4/1-2-1	.060 1-3-5/1-2-6	.085 1-4-13/1-3-6	.110 1-5-14/1-4-5	.135 1-6-11/1-5-5	.160 2-1-8/1-6-4	.185 2-1-15/2-1-3	.210 2-2-16/2-2-2	.235 2-3-17/2-2-6
.036 1-2-5/1-2-1	.061 1-3-6/1-2-6	.086 1-4-14/1-3-6	.111 1-5-15/1-4-5	.136 1-6-12/1-5-5	.161 2-1-9/1-6-4	.186 2-1-16/2-1-3	.211 2-2-17/2-2-2	.236 2-3-18/2-2-6
.037 1-2-6/1-2-1	.062 1-4-1/1-2-6	.087 1-4-15/1-3-6	.112 1-5-16/1-4-5	.137 1-6-13/1-5-5	.162 2-1-10/1-6-4	.187 2-1-17/2-1-3	.212 2-2-18/2-2-2	.237 2-3-19/2-2-6
.038 1-3-1/1-2-1	.063 1-3-4/1-3-1	.088 1-4-16/1-3-6	.113 1-5-17/1-4-5	.138 1-6-14/1-5-5	.163 2-1-11/1-6-4	.188 2-1-18/2-1-4	.213 2-2-19/2-2-2	.238 2-3-20/2-2-6
.039 1-3-2/1-2-1	.064 1-3-5/1-3-1	.089 1-4-17/1-3-6	.114 1-5-18/1-4-5	.139 1-6-15/1-5-5	.164 2-1-12/1-6-4	.189 2-1-19/2-1-4	.214 2-2-20/2-2-2	.239 2-3-21/2-2-6
.040 1-2-5/1-2-2	.065 1-3-6/1-3-1	.090 1-5-1/1-3-6	.115 1-5-19/1-4-6	.140 1-6-16/1-5-5	.165 2-1-13/1-6-5	.190 2-2-2/2-2-3	.215 2-2-21/2-2-2	.240 2-3-22/2-2-6
.041 1-2-6/1-2-2	.066 1-4-1/1-3-1	.091 1-4-4/1-4-1	.116 1-5-20/1-4-6	.141 1-6-17/1-5-5	.166 2-1-14/1-6-5	.191 2-2-3/2-2-3	.216 2-2-22/2-2-2	.241 2-3-23/2-2-6
.042 1-3-1/1-2-2	.067 1-4-2/1-3-1	.092 1-4-5/1-4-1	.117 1-5-21/1-4-6	.142 1-6-18/1-5-5	.167 2-1-15/1-6-5	.192 2-2-4/2-2-4	.217 2-2-23/2-2-2	.242 2-3-24/2-2-6
.043 1-3-2/1-2-2	.068 1-4-3/1-3-2	.093 1-4-6/1-4-1	.118 1-5-22/1-4-6	.143 1-6-19/1-5-5	.168 2-1-16/1-6-5	.193 2-2-5/2-2-4	.218 2-2-24/2-2-2	.243 2-3-25/2-2-6
.044 1-2-7/1-2-3	.069 1-4-4/1-3-2	.094 1-5-1/1-4-1	.119 1-5-23/1-4-6	.144 1-6-20/1-5-5	.169 2-1-17/1-6-5	.194 2-2-6/2-2-4	.219 2-2-25/2-2-2	.244 2-3-26/2-2-6
.045 1-3-1/1-2-3	.070 1-4-2/1-3-2	.095 1-4-5/1-4-2	.120 1-5-24/1-4-6	.145 1-6-21/1-5-5	.170 2-1-18/1-6-5	.195 2-2-7/2-2-5	.220 2-2-26/2-2-2	.245 2-3-27/2-2-6
.046 1-3-2/1-2-3	.071 1-4-3/1-3-2	.096 1-4-6/1-4-2	.121 1-5-25/1-4-6	.146 1-6-22/1-5-5	.171 2-1-19/1-6-5	.196 2-2-8/2-2-5	.221 2-2-27/2-2-2	.246 2-3-28/2-2-6
.047 1-3-3/1-2-3	.072 1-4-4/1-3-3	.097 1-5-1/1-4-2	.122 1-5-26/1-4-6	.147 1-6-23/1-5-5	.172 2-1-20/1-6-5	.197 2-2-9/2-2-5	.222 2-2-28/2-2-2	.247 2-3-29/2-2-6
.248 2-4-2/2-3-5	.273 2-5-3/2-4-4	.298 2-6-4/2-5-3	.323 3-1-1/2-6-3	.348 3-2-2/3-1-2	.373 3-2-5/3-2-2	.398 3-3-6/3-3-1	.423 3-5-1/3-3-6	.448 3-5-4/3-4-6
.249 2-4-3/2-3-5	.274 2-5-4/2-4-4	.299 2-6-5/2-5-4	.324 3-1-2/2-6-3	.349 3-2-3/3-1-2	.374 3-2-6/3-2-2	.399 3-3-7/3-3-1	.424 3-5-2/3-3-6	.449 3-5-5/3-4-6
.250 2-4-4/2-3-5	.275 2-5-5/2-4-4	.300 2-6-6/2-5-4	.325 3-1-3/2-6-3	.350 3-1-4/3-1-3	.375 3-3-1/3-2-2	.400 3-4-2/3-3-1	.425 3-5-3/3-4-1	.450 3-5-6/3-4-6
.251 2-4-5/2-3-5	.276 2-5-6/2-4-5	.301 2-6-7/2-5-4	.326 3-1-4/2-6-3	.351 3-1-5/3-1-3	.376 3-3-2/3-2-2	.401 3-4-3/3-3-2	.426 3-5-4/3-4-1	.451 3-5-7/3-4-6
.252 2-4-6/2-3-5	.277 2-5-7/2-4-5	.302 2-6-8/2-5-4	.327 3-1-5/2-6-4	.352 3-1-6/3-1-3	.377 3-3-3/3-2-2	.402 3-4-4/3-3-2	.427 3-5-5/3-4-1	.452 3-5-8/3-4-6
.253 2-4-7/2-3-6	.278 2-5-8/2-4-5	.303 2-6-9/2-5-4	.328 3-1-6/2-6-4	.353 3-1-7/3-1-3	.378 3-3-4/3-2-3	.403 3-4-5/3-3-2	.428 3-5-6/3-4-1	.453 3-5-9/3-4-6
.254 2-4-8/2-3-6	.279 2-5-9/2-4-5	.304 2-6-10/2-5-5	.329 3-1-7/2-6-4	.354 3-1-8/3-1-3	.379 3-3-5/3-2-3	.404 3-4-6/3-3-2	.429 3-5-7/3-4-2	.454 3-5-10/3-4-6
.255 2-4-9/2-3-6	.280 2-5-10/2-4-5	.305 2-6-11/2-5-5	.330 3-1-8/2-6-4	.355 3-1-9/3-1-3	.380 3-3-6/3-2-3	.405 3-4-7/3-3-2	.430 3-5-8/3-4-2	.455 3-5-11/3-4-6
.256 2-4-10/2-3-6	.281 2-5-11/2-4-6	.306 2-6-12/2-5-5	.331 3-1-9/2-6-5	.356 3-1-10/3-1-4	.381 3-3-7/3-2-3	.406 3-4-8/3-3-2	.431 3-5-9/3-4-2	.456 3-5-12/3-4-6
.257 2-4-11/2-4-1	.282 2-5-12/2-4-6	.307 2-6-13/2-5-5	.332 3-1-10/2-6-5	.357 3-1-11/3-1-4	.382 3-3-8/3-2-3	.407 3-4-9/3-3-2	.432 3-5-10/3-4-2	.457 3-5-13/3-4-6
.258 2-4-12/2-4-1	.283 2-5-13/2-4-6	.308 2-6-14/2-5-6	.333 3-1-11/2-6-5	.358 3-1-12/3-1-4	.383 3-3-9/3-2-4	.408 3-4-10/3-3-3	.433 3-5-11/3-4-3	.458 3-5-14/3-4-6
.259 2-4-13/2-4-1	.284 2-6-1/2-4-6	.309 2-6-15/2-5-6	.334 3-1-12/2-6-5	.359 3-1-13/3-1-5	.384 3-3-10/3-2-4	.409 3-4-11/3-3-3	.434 3-5-12/3-4-3	.459 3-5-15/3-4-6
.260 2-5-1/2-4-1	.285 2-5-4/2-5-1	.310 2-6-5/2-5-6	.335 3-1-13/2-6-5	.360 3-1-14/3-1-5	.385 3-3-11/3-2-4	.410 3-4-12/3-3-4	.435 3-5-13/3-4-3	.460 3-5-16/3-4-6
.261 2-5-2/2-4-1	.286 2-5-5/2-5-1	.311 2-6-6/2-5-6	.336 3-1-14/2-6-6	.361 3-1-15/3-1-5	.386 3-3-12/3-2-4	.411 3-4-13/3-3-4	.436 3-5-14/3-4-3	.461 3-5-17/3-4-6
.262 2-4-5/2-4-2	.287 2-5-6/2-5-1	.312 3-1-1/2-5-6	.337 3-1-15/2-6-6	.362 3-1-16/3-1-5	.387 3-3-13/3-2-5	.412 3-4-14/3-3-4	.437 3-5-15/3-4-3	.462 3-5-18/3-4-6
.263 2-4-6/2-4-2	.288 2-6-1/2-5-1	.313 2-6-4/2-6-1	.338 3-1-16/2-6-6	.363 3-1-17/3-1-5	.388 3-3-14/3-2-5	.413 3-4-15/3-3-4	.438 3-5-16/3-4-3	.463 3-5-19/3-4-6
.264 2-5-1/2-4-2	.289 2-6-2/2-5-1	.314 2-6-5/2-6-1	.339 3-1-17/2-6-6	.364 3-1-18/3-1-6	.389 3-3-15/3-2-5	.414 3-4-16/3-3-4	.439 3-5-17/3-4-3	.464 3-5-20/3-4-6
.265 2-5-2/2-4-2	.290 2-5-5/2-5-2	.315 2-6-6/2-6-1	.340 3-1-18/2-6-6	.365 3-1-19/3-1-6	.390 3-3-16/3-2-5	.415 3-4-17/3-3-4	.440 3-5-18/3-4-3	.465 3-5-21/3-4-6
.266 2-5-3/2-4-2	.291 2-5-6/2-5-2	.316 3-1-1/2-6-1	.341 3-1-19/2-6-6	.366 3-1-20/3-1-6	.391 3-3-17/3-2-5	.416 3-4-18/3-3-5	.441 3-5-19/3-4-4	.466 3-5-22/3-4-6
.267 2-4-6/2-4-3	.292 2-6-1/2-5-2	.317 3-1-2/2-6-1	.342 3-1-20/2-6-6	.367 3-1-21/3-1-6	.392 3-3-18/3-2-6	.417 3-4-19/3-3-5	.442 3-5-20/3-4-4	.467 3-5-23/3-4-6
.268 2-5-1/2-4-3	.293 2-6-2/2-5-2	.318 2-6-6/2-6-2	.343 3-1-21/2-6-6	.368 3-1-22/3-1-6	.393 3-3-19/3-2-6	.418 3-4-20/3-3-5	.443 3-5-21/3-4-5	.468 3-5-24/3-4-6
.269 2-5-2/2-4-3	.294 2-6-3/2-5-2	.319 3-1-1/2-6-2	.344 3-1-22/2-6-6	.369 3-1-23/3-1-6	.394 3-3-20/3-2-6	.419 3-4-21/3-3-6	.444 3-5-22/3-4-5	.469 3-5-25/3-4-6
.270 2-5-3/2-4-3	.295 2-6-4/2-5-3	.320 3-1-2/2-6-2	.345 3-1-23/2-6-6	.370 3-1-24/3-1-6	.395 3-3-21/3-2-6	.420 3-4-22/3-3-6	.445 3-5-23/3-4-5	.470 3-5-26/3-4-6
.271 2-5-4/2-4-4	.296 2-6-5/2-5-3	.321 3-1-3/2-6-2	.346 3-1-24/2-6-6	.371 3-1-25/3-1-6	.396 3-3-22/3-2-6	.421 3-4-23/3-3-6	.446 3-5-24/3-4-5	.471 3-5-27/3-4-6
.272 2-5-5/2-4-4	.297 2-6-6/2-5-3	.322 2-6-6/2-6-3	.347 3-1-25/2-6-6	.372 3-1-26/3-1-6	.397 3-3-23/3-2-6	.422 3-4-24/3-3-6	.447 3-5-25/3-4-6	.472 3-5-28/3-4-6
.273 2-5-6/2-4-4	.298 2-6-7/2-5-3	.323 2-6-7/2-6-3	.348 3-1-26/2-6-6	.373 3-1-27/3-1-6	.398 3-3-24/3-2-6	.423 3-5-1/3-3-6	.448 3-5-26/3-4-6	.473 3-5-29/3-4-6
.274 2-5-7/2-4-4	.299 2-6-8/2-5-4	.324 3-1-27/2-6-3	.349 3-1-27/2-6-6	.374 3-1-28/3-1-6	.399 3-3-25/3-2-6	.424 3-5-2/3-3-6	.449 3-5-27/3-4-6	.474 3-5-30/3-4-6
.275 2-5-8/2-4-4	.300 2-6-9/2-5-4	.325 3-1-28/2-6-3	.350 3-1-28/2-6-6	.375 3-1-29/3-1-6	.400 3-3-26/3-2-6	.425 3-5-3/3-4-1	.450 3-5-28/3-4-6	.475 3-5-31/3-4-6
.276 2-5-9/2-4-5	.301 2-6-10/2-5-4	.326 3-1-29/2-6-3	.351 3-1-29/2-6-6	.376 3-1-30/3-1-6	.401 3-3-27/3-2-6	.426 3-5-4/3-4-1	.451 3-5-29/3-4-6	.476 3-5-32/3-4-6
.277 2-5-10/2-4-5	.302 2-6-11/2-5-4	.327 3-1-30/2-6-4	.352 3-1-30/2-6-6	.377 3-1-31/3-1-6	.402 3-3-28/3-2-6	.427 3-5-5/3-4-1	.452 3-5-30/3-4-6	.477 3-5-33/3-4-6
.278 2-5-11/2-4-5	.303 2-6-12/2-5-4	.328 3-1-31/2-6-4	.353 3-1-31/2-6-6	.378 3-1-32/3-1-6	.403 3-3-29/3-2-6	.428 3-5-6/3-4-1	.453 3-5-31/3-4-6	.478 3-5-34/3-4-6
.279 2-5-12/2-4-5	.304 2-6-13/2-5-5	.329 3-1-32/2-6-4	.354 3-1-32/2-6-6	.379 3-1-33/3-1-6	.404 3-3-30/3-2-6	.429 3-5-7/3-4-2	.454 3-5-32/3-4-6	.479 3-5-35/3-4-6
.280 2-5-13/2-4-5	.305 2-6-14/2-5-5	.330 3-1-33/2-6-4	.355 3-1-33/2-6-6	.380 3-1-34/3-1-6	.405 3-3-31/3-2-6	.430 3-5-8/3-4-2	.455 3-5-33/3-4-6	.480 3-5-36/3-4-6
.281 2-5-14/2-4-6	.306 2-6-15/2-5-5	.331 3-1-34/2-6-4	.356 3-1-34/2-6-6	.381 3-1-35/3-1-6	.406 3-3-32/3-2-6	.431 3-5-9/3-4-2	.456 3-5-34/3-4-6	.481 3-5-37/3-4-6
.282 2-5-15/2-4-6	.307 2-6-16/2-5-5	.332 3-1-35/2-6-4	.357 3-1-35/2-6-6	.382 3-1-36/3-1-6	.407 3-3-33/3-2-6	.432 3-5-10/3-4-2	.457 3-5-35/3-4-6	.482 3-5-38/3-4-6
.283 2-5-16/2-4-6	.308 2-6-17/2-5-6	.333 3-1-36/2-6-4	.358 3-1-36/2-6-6	.383 3-1-37/3-1-6	.408 3-3-34/3-2-6	.433 3-5-11/3-4-3	.458 3-5-36/3-4-6	.483 3-5-39/3-4-6
.284 2-6-1/2-4-6	.309 2-6-18/2-5-6	.334 3-1-37/2-6-4	.359 3-1-37/2-6-6	.384 3-1-38/3-1-6	.409 3-3-35/3-2-6	.434 3-5-12/3-4-3	.459 3-5-37/3-4-6	.484 3-5-40/3-4-6
.285 2-5-4/2-5-1	.285 2-5-4/2-5-1	.310 2-6-5/2-5-6	.335 3-1-38/2-6-5	.360 3-1-39/3-1-5	.385 3-3-39/3-2-4	.410 3-4-13/3-4-3	.435 3-5-2/3-4-3	.460 3-6-3/3-5-3
.286 2-5-5/2-5-1	.286 2-5-5/2-5-1	.311 2-6-6/2-5-6	.336 3-1-39/2-6-6	.361 3-1-40/3-1-5	.386 3-3-40/3-2-4	.411 3-4-2/3-4-3	.436 3-5-3/3-4-3	.461 3-6-4/3-5-3
.287 2-5-6/2-5-1	.287 2-5-6/2-5-1	.312 3-1-1/2-5-6	.337 3-1-40/2-6-6	.362 3-1-41/3-1-5	.387 3-3-41/3-2-5	.412 3-4-3/3-4-3	.437 3-5-4/3-4-3	.462 3

BATTING AVERAGE RATING CHART

(Left Handed Batters)

Left column when facing left handed pitcher.
Right column when facing right handed pitcher.

.023 1-1-1/1-1-6	.048 1-2-2/1-2-5	.073 1-2-5/1-3-5	.098 1-3-6/1-4-4	.123 1-4-3/1-5-4	.148 1-5-4/1-6-3	.173 1-6-5/2-1-2	.198 2-1-2/2-2-2	.223 2-2-3/2-3-1
.024 1-1-2/1-1-6	.049 1-1-5/1-2-6	.074 1-2-6/1-3-5	.099 1-4-1/1-4-4	.124 1-4-4/1-5-4	.149 1-5-5/1-6-3	.174 1-6-6/2-1-3	.199 2-1-3/2-2-2	.224 2-2-4/2-3-1
.025 1-1-3/1-1-6	.050 1-1-6/1-2-6	.075 1-3-1/1-3-5	.100 1-3-4/1-4-5	.125 1-4-5/1-5-4	.150 1-5-6/1-6-3	.175 1-6-7/2-1-3	.200 2-1-4/2-2-2	.225 2-2-5/2-3-2
.026 1-1-4/1-1-6	.051 1-1-7/1-2-6	.076 1-3-2/1-3-5	.101 1-3-5/1-4-5	.126 1-4-6/1-5-4	.151 1-5-7/1-6-4	.176 1-6-8/2-1-3	.201 2-1-5/2-2-2	.226 2-2-6/2-3-2
.027 1-1-1/1-2-1	.052 1-2-2/1-2-6	.077 1-2-5/1-3-6	.102 1-3-6/1-4-5	.127 1-4-7/1-5-4	.152 1-5-8/1-6-4	.177 1-6-9/2-1-3	.202 2-1-6/2-2-2	.227 2-2-7/2-3-2
.028 1-1-2/1-2-1	.053 1-2-3/1-2-6	.078 1-2-6/1-3-6	.103 1-4-1/1-4-5	.128 1-4-8/1-5-4	.153 1-5-9/1-6-4	.178 1-6-10/2-1-3	.203 2-1-7/2-2-2	.228 2-2-8/2-3-2
.029 1-1-3/1-2-1	.054 1-2-4/1-2-6	.079 1-3-1/1-3-6	.104 1-4-2/1-4-5	.129 1-4-9/1-5-4	.154 1-5-10/1-6-4	.179 1-6-11/2-1-3	.204 2-1-8/2-2-2	.229 2-2-9/2-3-2
.030 1-1-4/1-2-1	.055 1-2-5/1-2-6	.080 1-3-2/1-3-6	.105 1-3-5/1-4-6	.130 1-4-10/1-5-4	.155 1-5-11/1-6-4	.180 1-6-12/2-1-3	.205 2-1-9/2-2-2	.230 2-2-10/2-3-2
.031 1-1-5/1-2-1	.056 1-2-6/1-2-6	.081 1-3-3/1-3-6	.106 1-3-6/1-4-6	.131 1-5-1/1-5-5	.156 1-5-12/1-6-4	.181 1-6-13/2-1-3	.206 2-1-10/2-2-2	.231 2-2-11/2-3-2
.032 1-1-6/1-2-1	.057 1-2-7/1-2-6	.082 1-3-4/1-3-6	.107 1-4-1/1-4-6	.132 1-4-5/1-5-5	.157 1-5-13/1-6-5	.182 1-6-14/2-1-4	.207 2-1-11/2-2-2	.232 2-2-12/2-3-2
.033 1-1-7/1-2-1	.058 1-2-8/1-2-6	.083 1-3-5/1-3-6	.108 1-4-2/1-4-6	.133 1-4-6/1-5-5	.158 1-5-14/1-6-5	.183 1-6-15/2-1-4	.208 2-1-12/2-2-2	.233 2-2-13/2-3-2
.034 1-1-8/1-2-1	.059 1-2-9/1-2-6	.084 1-3-6/1-3-6	.109 1-3-6/1-4-6	.134 1-5-2/1-5-5	.159 1-5-15/1-6-5	.184 1-6-16/2-1-4	.209 2-1-13/2-2-2	.234 2-2-14/2-3-2
.035 1-1-9/1-2-1	.060 1-2-10/1-2-6	.085 1-3-7/1-3-6	.110 1-4-3/1-4-6	.135 1-5-3/1-5-5	.160 1-5-16/1-6-5	.185 1-6-17/2-1-4	.210 2-1-14/2-2-2	.235 2-2-15/2-3-2
.036 1-1-10/1-2-1	.061 1-2-11/1-2-6	.086 1-3-8/1-3-6	.111 1-4-4/1-4-6	.136 1-5-4/1-5-5	.161 1-5-17/1-6-5	.186 1-6-18/2-1-4	.211 2-1-15/2-2-2	.236 2-2-16/2-3-2
.037 1-1-11/1-2-1	.062 1-2-12/1-2-6	.087 1-3-9/1-3-6	.112 1-4-5/1-4-6	.137 1-5-5/1-5-5	.162 1-5-18/1-6-5	.187 1-6-19/2-1-4	.212 2-1-16/2-2-2	.237 2-2-17/2-3-2
.038 1-1-12/1-2-1	.063 1-2-13/1-2-6	.088 1-3-10/1-3-6	.113 1-4-6/1-4-6	.138 1-5-6/1-5-5	.163 1-5-19/1-6-5	.188 1-6-20/2-1-4	.213 2-1-17/2-2-2	.238 2-2-18/2-3-2
.039 1-1-13/1-2-1	.064 1-2-14/1-2-6	.089 1-3-11/1-3-6	.114 1-4-7/1-4-6	.139 1-5-7/1-5-5	.164 1-5-20/1-6-5	.189 1-6-21/2-1-4	.214 2-1-18/2-2-2	.239 2-2-19/2-3-2
.040 1-1-14/1-2-1	.065 1-2-15/1-2-6	.090 1-3-12/1-3-6	.115 1-4-8/1-4-6	.140 1-5-8/1-5-5	.165 1-5-21/1-6-5	.190 1-6-22/2-1-4	.215 2-1-19/2-2-2	.240 2-2-20/2-3-2
.041 1-1-15/1-2-1	.066 1-2-16/1-2-6	.091 1-3-13/1-3-6	.116 1-4-9/1-4-6	.141 1-5-9/1-5-5	.166 1-5-22/1-6-5	.191 1-6-23/2-1-4	.216 2-1-20/2-2-2	.241 2-2-21/2-3-2
.042 1-1-16/1-2-1	.067 1-2-17/1-2-6	.092 1-3-14/1-3-6	.117 1-4-10/1-4-6	.142 1-5-10/1-5-5	.167 1-5-23/1-6-5	.192 1-6-24/2-1-4	.217 2-1-21/2-2-2	.242 2-2-22/2-3-2
.043 1-1-17/1-2-1	.068 1-2-18/1-2-6	.093 1-3-15/1-3-6	.118 1-4-11/1-4-6	.143 1-5-11/1-5-5	.168 1-5-24/1-6-5	.193 1-6-25/2-1-4	.218 2-1-22/2-2-2	.243 2-2-23/2-3-2
.044 1-1-18/1-2-1	.069 1-2-19/1-2-6	.094 1-3-16/1-3-6	.119 1-4-12/1-4-6	.144 1-5-12/1-5-5	.169 1-5-25/1-6-5	.194 1-6-26/2-1-4	.219 2-1-23/2-2-2	.244 2-2-24/2-3-2
.045 1-1-19/1-2-1	.070 1-2-20/1-2-6	.095 1-3-17/1-3-6	.120 1-4-13/1-4-6	.145 1-5-13/1-5-5	.170 1-5-26/1-6-5	.195 1-6-27/2-1-4	.220 2-1-24/2-2-2	.245 2-2-25/2-3-2
.046 1-1-20/1-2-1	.071 1-2-21/1-2-6	.096 1-3-18/1-3-6	.121 1-4-14/1-4-6	.146 1-5-14/1-5-5	.171 1-5-27/1-6-5	.196 1-6-28/2-1-4	.221 2-1-25/2-2-2	.246 2-2-26/2-3-2
.047 1-2-1/1-2-5	.072 1-2-22/1-2-6	.097 1-3-19/1-3-6	.122 1-4-15/1-4-6	.147 1-5-15/1-5-5	.172 1-5-28/1-6-5	.197 1-6-29/2-1-4	.222 2-1-26/2-2-2	.247 2-2-27/2-3-2
.248 2-2-6/2-4-1	.273 2-4-1/2-4-6	.298 2-5-2/2-5-5	.323 2-5-5/2-6-5	.348 2-6-6/3-1-4	.373 3-1-3/3-2-4	.398 3-2-4/3-3-3	.423 3-3-5/3-4-2	.448 3-4-2/3-5-2
.249 2-3-1/2-4-1	.274 2-4-2/2-4-6	.299 2-4-5/2-5-6	.324 2-5-6/2-6-5	.349 3-1-1/3-1-4	.374 3-1-4/3-2-4	.399 3-2-5/3-3-3	.424 3-3-6/3-4-3	.449 3-4-3/3-5-2
.250 2-3-2/2-4-1	.275 2-4-3/2-4-6	.300 2-4-6/2-5-6	.325 2-6-1/2-6-5	.350 2-6-4/3-1-5	.375 3-1-5/3-2-4	.400 3-2-6/3-3-3	.425 3-3-7/3-4-3	.450 3-4-4/3-5-2
.251 2-3-3/2-4-1	.276 2-4-4/2-5-1	.301 2-5-1/2-5-6	.326 2-6-2/2-6-5	.351 2-6-5/3-1-5	.376 3-1-6/3-2-4	.401 3-2-7/3-3-3	.426 3-3-8/3-4-3	.451 3-4-5/3-5-2
.252 2-3-4/2-4-1	.277 2-4-5/2-5-1	.302 2-5-2/2-5-6	.327 2-6-3/2-6-5	.352 2-6-6/3-1-5	.377 3-1-7/3-2-4	.402 3-2-8/3-3-3	.427 3-3-9/3-4-3	.452 3-4-6/3-5-3
.253 2-3-5/2-4-2	.278 2-4-6/2-5-1	.303 2-5-3/2-5-6	.328 2-6-4/2-6-6	.353 3-1-1/3-1-5	.378 3-1-8/3-2-5	.403 3-2-9/3-3-4	.428 3-3-10/3-4-3	.453 3-4-7/3-5-3
.254 2-3-6/2-4-2	.279 2-4-7/2-5-1	.304 2-5-4/2-5-6	.329 2-6-5/2-6-6	.354 3-1-2/3-1-5	.379 3-1-9/3-2-5	.404 3-2-10/3-3-4	.429 3-3-11/3-4-4	.454 3-4-8/3-5-3
.255 2-3-7/2-4-2	.280 2-4-8/2-5-1	.305 2-5-5/2-5-6	.330 2-6-6/2-6-6	.355 2-6-7/3-1-6	.380 3-1-10/3-2-5	.405 3-2-11/3-3-4	.430 3-3-12/3-4-4	.455 3-4-9/3-5-3
.256 2-3-8/2-4-2	.281 2-4-9/2-5-2	.306 2-5-6/2-5-6	.331 2-6-7/3-1-6	.356 2-6-8/3-1-6	.381 3-1-11/3-2-5	.406 3-2-12/3-3-5	.431 3-3-13/3-4-4	.456 3-4-10/3-5-3
.257 2-3-9/2-4-3	.282 2-4-10/2-5-2	.307 2-5-7/2-5-6	.332 2-6-8/3-1-6	.357 3-1-1/3-1-6	.382 3-1-12/3-2-6	.407 3-2-13/3-3-5	.432 3-3-14/3-4-4	.457 3-4-11/3-5-4
.258 2-3-10/2-4-3	.283 2-4-11/2-5-2	.308 2-5-8/2-5-6	.333 2-6-9/3-1-6	.358 3-1-2/3-1-6	.383 3-1-13/3-2-6	.408 3-2-14/3-3-5	.433 3-3-15/3-4-4	.458 3-4-12/3-5-4
.259 2-3-11/2-4-3	.284 2-4-12/2-5-3	.309 2-5-9/2-5-6	.334 2-6-10/3-1-6	.359 2-6-9/3-2-1	.384 3-1-14/3-2-6	.409 3-2-15/3-3-5	.434 3-3-16/3-4-4	.459 3-4-13/3-5-4
.260 2-3-12/2-4-3	.285 2-4-13/2-5-3	.310 2-5-10/2-5-6	.335 2-6-11/3-1-6	.360 3-1-1/3-2-1	.385 3-2-1/3-2-6	.410 3-2-16/3-3-6	.435 3-3-17/3-4-5	.460 3-5-1/3-5-4
.261 2-3-13/2-4-3	.286 2-4-14/2-5-3	.311 2-5-11/2-5-6	.336 2-6-12/3-1-6	.361 3-1-2/3-2-1	.386 3-2-2/3-2-6	.411 3-2-17/3-3-6	.436 3-3-18/3-4-5	.461 3-5-2/3-5-5
.262 2-3-14/2-4-4	.287 2-4-15/2-5-3	.312 2-5-12/2-5-6	.337 2-6-13/1-2	.362 3-1-3/3-2-1	.387 3-1-6/3-2-6	.412 3-2-18/3-3-6	.437 3-3-19/3-4-5	.462 3-5-3/3-5-5
.263 2-3-15/2-4-4	.288 2-4-16/2-5-3	.313 2-5-13/2-5-6	.338 2-6-14/3-1-2	.363 3-1-4/3-2-1	.388 3-2-1/3-3-1	.413 3-2-19/3-3-6	.438 3-3-20/3-4-5	.463 3-5-4/3-5-5
.264 2-3-16/2-4-4	.289 2-4-17/2-5-4	.314 2-5-14/2-5-6	.339 2-6-15/3-1-2	.364 3-1-5/3-2-2	.389 3-2-2/3-3-1	.414 3-2-20/3-3-6	.439 3-3-21/3-4-6	.464 3-5-5/3-5-5
.265 2-3-17/2-4-4	.290 2-4-18/2-5-4	.315 2-5-15/2-5-6	.340 2-6-16/3-1-2	.365 3-1-6/3-2-2	.390 3-2-3/3-3-1	.415 3-2-21/3-3-6	.440 3-3-22/3-4-6	.465 3-5-6/3-5-5
.266 2-3-18/2-4-4	.291 2-4-19/2-5-4	.316 2-5-16/2-5-6	.341 2-6-17/3-1-2	.366 3-1-7/3-2-2	.391 3-2-4/3-3-1	.416 3-2-22/3-3-6	.441 3-3-23/3-4-6	.466 3-5-7/3-5-6
.267 2-3-19/2-4-5	.292 2-4-20/2-5-4	.317 2-5-17/2-5-6	.342 2-6-18/3-1-3	.367 3-1-8/3-2-2	.392 3-2-1/3-3-2	.417 3-2-23/3-3-6	.442 3-3-24/3-4-6	.467 3-5-8/3-5-6
.268 2-3-20/2-4-5	.293 2-4-21/2-5-4	.318 2-5-18/2-5-6	.343 2-6-19/3-1-3	.368 3-1-9/3-2-2	.393 3-2-2/3-3-2	.418 3-2-24/3-3-6	.443 3-3-25/3-4-6	.468 3-5-9/3-5-6
.269 2-3-21/2-4-5	.294 2-4-22/2-5-5	.319 2-5-19/2-5-6	.344 2-6-20/3-1-3	.369 3-1-10/3-2-2	.394 3-2-3/3-3-2	.419 3-2-25/3-3-6	.444 3-3-26/3-4-6	.469 3-5-10/3-5-6
.270 2-4-1/2-4-5	.295 2-4-23/2-5-5	.320 2-5-20/2-5-6	.345 2-6-21/3-1-4	.370 3-1-11/3-2-2	.395 3-2-4/3-3-2	.420 3-2-26/3-3-6	.445 3-3-27/3-4-6	.470 3-5-11/3-5-6
.271 2-4-2/2-4-6	.296 2-4-24/2-5-5	.321 2-5-21/2-5-6	.346 2-6-22/3-1-4	.371 3-1-12/3-2-2	.396 3-2-5/3-3-2	.421 3-2-27/3-3-6	.446 3-3-28/3-4-6	.471 3-5-12/3-5-6
.272 2-4-3/2-4-6	.297 2-4-25/2-5-5	.322 2-5-22/2-5-6	.347 2-6-23/3-1-4	.372 3-1-13/3-2-2	.397 3-2-6/3-3-2	.422 3-2-28/3-3-6	.447 3-3-29/3-4-6	.472 3-5-13/3-5-6

FIRST ROLL CHART

- 1-1-1 thru 1-6-6 See pitcher's rating for walks issued.
- 2-1-1 Hit Batter. Less than two out batter and pitcher both left or right handed. Two out, either applies. Also see Injury Chart.
- 2-1-2 Passed Ball - all catchers (when rated SD does not apply if runner on third).
- 2-1-3 Pickoff - By pitcher, see Pickoff Play Chart.
- 2-1-4 Pickoff - By catcher, see Pickoff Play Chart.
- 2-1-5 Wild Pitch when runner on first only.
- 2-1-6 Wild Pitch - runner(s) on any base.
- 2-2-1 Balk-S or AAR runners on any base.
- 2-2-2 Interference by catcher if batter strikes out with runner(s) on base.
- 2-2-3 Injury - to batter if singles and is out trying to stretch to a double.
- 2-2-4 Injury - to short stop if batter doubles to center or right; to second baseman if doubles to left.
- 2-2-5 Injury - to third baseman if batter triples.
- 2-2-6 Injury to runner if followed by force play at second.
- 2-3-1 Injury to runner if followed by tag play at second.
- 2-3-2 Injury to defensive player if followed by a foul out.
- 2-3-3 Injury to defensive player if followed by outfield fly.
- 2-3-4 Injury to runner on an infield hit with less than two out; to first baseman if play is third out of inning.
- 2-3-5 Ground rule double - if followed by double, triple, or home run.
- 2-3-6 thru 2-5-6 Reserved for 'rare events.'
- 2-6-1 thru 2-6-6 Double Play if first base occupied and less than two out.
- 3-1-1 thru 3-4-4 DOUBLE PLAY RANGE - See defensive team rating and Double Play Chart.
- 3-4-5 Triple Play - 2 or 3 men on base. If followed by In. F. fair fly ball.
- 3-4-6 Triple Play - bases loaded only. If followed by In. F. fair fly ball.
- 3-5-1 thru 6-6-6 ERROR RANGE. See defensive team rating and Error Designation Chart.

SECOND ROLL CHART

NOTE: When the batter has failed to make a base hit, read this chart to learn form of put out.

Left Hand Batter		Right Hand Batter	
No	One	No	One
Out	Out	Out	Out
7	7*	7	7*
7*	7**	7**	7**
8	8*	8	8*
8*	8**	8**	8**
9	9*	9	9*
9*	9**	9	9**

Players represented by position number: Pitcher 1, Catcher 2, First Base 3, Second Base 4, Third Base 5, Short Stop 6, Left Field 7, Center Field 8, Right Field 9.

Action described in boxed area affected by a Limited Defense (LD) player. First player described must be LD rated to have affect.

* and ** - Sacrifice Fly attempt can be made - See text.

ua - Unassisted put out.

Up thru 3-6-6		4-1-1 thru 4-6-6	
OUTFIELD FLY OUT		INFIELD FLY OUT	
3rd Dice (Green)	1	3rd Dice (Green)	1
2	3fo	2	3fo
3	3	3	3
4	4	4	4
5	4	5	4
6	2fo	6	2fo

5-1-1 thru 6-6-6
(When not a strike out)
GROUND BALL OUT

3rd Dice (Green)	1	2	3	4	5	6
1-3	3ua	3-1	4-3	4-3	4-3	1-3
3-1	3-1	4-3	4-3	4-3	4-3	3-1
4-3	4-3	4-3	4-3	4-3	4-3	4-3
4-3	4-3	4-3	4-3	4-3	4-3	4-3
6-3	6-3	5-3	5-3	5-3	5-3	5-3

NO RUNNER ON FIRST BASE - BATTER OUT AT FIRST

RUNNER ON FIRST BASE - POSSIBLE FORCE OUT

1	2	3	4	5	6
1-3	3-6	3-1	3-6	4-6	4-6
3-6	3-6	4-6	4-6	4-3	4-3
4-6	4-6	4-3	4-6	4-3	4-3
4-6	4-6	4-3	4-6	4-3	4-3
6-3	6-4	1-3	6-3	6-4	6-3

BASE HIT DIRECTIONAL		BASE HIT DIRECTIONAL	
For use with SD DEFENSIVE RATINGS		For use with SD DEFENSIVE RATINGS	
3rd Dice (Green)	1	3rd Dice (Green)	1
2	1B/3B	2	1B/3B
3	RF/CF	3	RF/CF
4	CF/LF	4	CF/LF
5	RF/RF	5	RF/RF
6	CF/CF	6	CF/CF

INFIELD SINGLES (same number on white and green dice)

LHB	RHB
3B	3B
SS	SS
2B	2B
1B	1B
P	P

X-1-1
X-2-2
X-3-3
X-4-4
X-5-5
X-6-6

ADVANCING ON SINGLES AND DOUBLES CHART

Type of Hit	Runner On	Runner Rated	Number of Outs	Base Hit To:		
				Left	Center	Right
Single	First	AR	None or One	To Second	To Third *	To Third *
		AAR	" "	" "	" "	" "
		Slo	" "	To Second	To Second *	To Second
	First	AR	Two Out	To Second	To Third *	To Third
		AAR	" "	To Third	" "	" "
		Slo	" "	To Second	" "	" "
	Second	AR	None or One	To Third	To Third	Scores
		AAR	" "	Scores *	Scores	Scores
		Slo	" "	To Third	To Third	To Third
	Second	AR	Two Out	Scores *	Scores *	Scores *
		AAR	" "	" "	" "	" "
		Slo	" "	To Third	Scores *	To Third
Double	Third	AR, AAR, Slo	None or One	Scores	Scores	Scores
			Two Out	" "	" "	" "
			" "	To Third	Scores *	To Third
	First	AR	None or One	To Third	Scores *	Scores *
		AAR	" "	Scores *	" "	" "
		Slo	" "	To Third	To Third	To Third
	First	AR	Two Out	Scores *	Scores *	Scores *
		AAR	" "	Scores *	" "	" "
		Slo	" "	To Third	To Third	To Third
	Second	AR	None, One or Two	Scores *	Scores	Scores
		AAR	" "	" "	" "	" "
		Slo	" "	" "	" "	" "

* When outfielder is rated T-1, reduce bases advanced by one.

When second (white) and third (green) dice are the same number s, hit is an infield single and any forced runners advance one base, only if forced.

When the hit is the top of the hitting lines for the batter, he is out trying to stretch his single into a double (outfielder handling ball to second baseman) only if second base is unoccupied.

DOUBLE PLAY CHART

When signaled in 3-1-1 thru 3-4-4 range on first roll.
When DP is signaled by 2-6-1 thru 2-6-1 see text.

	Runner on 1st only or First & Third*		Runners on 1st & 2nd		Bases Loaded		Runners on 2nd & 3rd		Runners on 2nd only		Runners on 3rd only	
	No Out	One Out	No Out	One Out	No Out	One Out	No Out	One Out	No Out	One Out	No Out	One Out
3-6-6	6-4-3	6-4-3	6-4-3 ^B	6-4-3	6-4-3 ^E	6-4-3	6-5	6-5	6 ua	6-4	6-5	6-5
4-1-1 thru 4-6-6	4-6-3	4-6-3	4-6-3 ^B	4-6-3	4-6-3 ^E	4-6-3	4-5	4 ua	4 ua	4-6	4-5	4-5
5-1-1 thru 5-4-6	5-4-3	5-4-3	5-4-3 ^B	5-4-3	5-4-3 ^E	5-4-3	5 ua	5-4	5-4	5-4	5 ua	5 ua
5-5-1 thru 5-6-4	1-4-3	1-6-3	1-5-4 ^C	1-5-3	1-2-3 ^D	1-2-3	1-5	1-6	1-4	1-6	1-5	1-5
5-6-5 thru 5-6-6	2-4-3	2-6-3	2-5-4 ^C	2-5-3	5-2-3	5-2-3	2-5	2-5	2-4	2-6	2-5	2-5
6-1-1 thru 6-6-6	3 ua	3-6-3	3 ua ^A	3-6-3	3-2-3 ^D	3-6-3	3-5	3-4	3-6	3-4	3-5	3-5

A - Runner on second remains there

B - Runner from second advances to third

C - Batter reaches first on fielder's choice

D - Runners from first & second advance to next base

E - Runner scores from third

* Runner from third scores on all plays.

NOTE: When first base not occupied, batter is always retired on a line drive and runner nearest home is doubled off base. Any runner not involved remains on his base.

UA - Unassisted Put Out

STOLEN BASE CHART

Action takes place BEFORE First Roll. After it is completed, proceed with First Roll on the batter. Remember, all players on the roster have been rated for base running: Slow, Average, Above Average and Superior.

To Steal SECOND BASE:

	Right Handed Pitcher	Left Handed Pitcher
Slow Runner	1-1-1 thru 1-6-6	thru 1-5-6
Average Runner	1-1-1 thru 3-4-5	thru 3-3-3
Above Average Runner	1-1-1 thru 4-4-6	thru 4-3-6
Superior Runner	1-1-1 thru 5-3-6	thru 5-2-6

To Steal THIRD BASE:

Slow Runner	1-1-1 thru 1-5-6	thru 1-6-6
Average Runner	1-1-1 thru 2-3-6	thru 2-4-6
Above Average Runner	1-1-1 thru 4-3-6	thru 4-4-6
Superior Runner	1-1-1 thru 5-2-6	thru 5-3-6

To Steal HOME:

Slow Runner	1-1-1 thru 1-5-6	Cannot steal home
Average Runner	1-1-1 thru 2-3-6	thru 1-6-6
Above Average Runner	1-1-1 thru 4-3-6	thru 2-4-6
Superior Runner	1-1-1 thru 5-2-6	thru 4-4-6

NOTE: Above average runner is limited to one stolen base attempt per nine inning game. Is unlimited in extra innings.

Superior base runner is limited to two stolen base attempts per nine inning game. Is unlimited in extra innings.

Slow and Average Runners are unlimited in their attempts.

DOUBLE AND TRIPLE STEALS. all action is governed by front runner. Others advance whether front runner is safe or not.

ERRORS ON STEAL ATTEMPTS, ETC., SEE TEXT.

SACRIFICE FLY OPTION CHART

(This action can take place only after the Second Roll.) Certain outfield flyouts — on the Second Roll Chart — are marked with an asterisk (*). These apply to all base runners. Those marked ** apply to base runners rated AAR only for Base Advance Running.

With a runner on third base, and less than two out, the team at bat may elect to attempt to score after the put out.

When using this option the following charts apply.

INNINGS ONE THROUGH SEVEN.

When fly ball is FIRST OUT of the inning, must roll from 1-1-1 through 5-6-6 to advance. (1-1-1 thru 4-3-6 if outfielder rated T-1).

When fly ball is SECOND OUT of the inning, must roll from 1-1-1 through 4-6-6 to advance. (1-1-1 thru 3-6-6 if outfielder rated T-1).

INNINGS EIGHT AND NINE — AND IN EXTRA INNINGS.

When fly ball is FIRST OUT of the inning, must roll from 1-1-1 through 5-3-6 to advance. (1-1-1 thru 4-3-6 if outfielder rated T-1).

When fly ball is SECOND OUT of the inning, must roll from 1-1-1 through 4-3-6 to advance. (1-1-1 thru 3-3-6 if outfielder rated T-1).

When runner FAILS TO ADVANCE, credit assist to outfielder making put out; put out on the runner to the catcher.

When runner FAILS TO ADVANCE, any other base runners advance one base. When runner DOES ADVANCE, any other runners remain at their base.

NOTE: Only a runner rated AAR can attempt to advance from first to second or second to third only if fly out is marked with double asterisk (**). Cannot be attempted against T-1 outfielder. Must roll 1-1-1 thru 4-3-6 to be safe; 4-4-1 thru 6-6-6 is out.

SQUEEZE PLAY CHART

(with runner on 3rd, less than two out)

DEFENSIVE TEAM MUST DECIDE TO PLAY IN OR BACK.

When infield is playing BACK.

("SUICIDE SQUEEZE") Offensive team must announce before first roll.
(This becomes only roll for the batter)

1-1-1 thru 2-2-2 Everyone SAFE. Credit batter with sacrifice.
2-2-3 thru 3-3-3 Runner SAFE. Batter OUT (1 to 3). Credit with sacrifice.
3-3-4 thru 4-4-4 Runner OUT (1 to 2). Batter reaches first on FC.
4-4-5 thru 5-5-5 DOUBLE PLAY. 1 to 2 to 3.

("SAFETY SQUEEZE") Offensive team must announce before first roll.

1-1-1 thru 1-6-1 Everyone SAFE. Credit batter with sacrifice.
1-6-2 thru 2-5-6 Runner SAFE. Batter OUT (5 to 3). Credit with sacrifice.
2-5-7 thru 3-4-6 Runner OUT (1 to 2). Batter reaches first, FC.
3-4-7 thru 4-3-6 DOUBLE PLAY. Runner out 1 to 2. Batter out 2 to 3.
4-3-7 thru 5-2-6 Runner HOLDS THIRD BASE. Batter out 5 to 3.
(If bases loaded or runners on first and third, batter is struck out.)

WHEN INFIELD IS PLAYING SHALLOW

("SUICIDE SQUEEZE") Offensive team must announce before first roll

1-1-1 thru 2-2-2 Everyone SAFE. Credit batter with sacrifice.
2-2-3 thru 3-1-4 Runner SAFE. Batter OUT, 3 unassisted.
3-1-5 thru 4-1-4 Runner OUT (1 to 2). Batter reaches first, FC.
4-1-5 thru 5-1-4 DOUBLE PLAY. Runner out 1 to 2. Batter out 2 to 3.

("SAFETY SQUEEZE") Offensive team must announce before first roll.

1-1-1 thru 1-6-1 Everyone SAFE. Credit batter with sacrifice.
1-6-2 thru 2-5-6 Runner SAFE. Batter OUT, 3 unassisted.
2-5-7 thru 3-4-6 Runner OUT, 1 to 2. Batter reaches first, FC.
3-4-7 thru 4-3-6 DOUBLE PLAY. 1 to 5 (runner doubled off third).
4-3-7 thru 5-2-6 Runner HOLDS THIRD BASE. Batter out 5 to 3.
(If bases loaded, or runners on first and third, batter is struck out.)

PICK OFF PLAY CHART

(Refer to whenever First Roll is 2-1-3 or 2-1-4)

2-1-3

(Attempt is made by pitcher)

	None	One	Two	Right Handed Pitcher
Runner on 1st only	safe	out	out	safe
Runners on 1st & 2nd	safe	out	safe	safe
	out 1B	safe	out 2B	safe

NOTE: If there is a runner on third, no Pick Off Play can take place

2-1-4

(Attempt is made by catcher)

	SD	Rated	Catcher	Catcher Not Rated	SD
Runner on 1st only	out	safe	out	safe	out
Runner on 2nd only	safe	safe	out	safe	safe
Runner on 3rd only	safe	out	out	safe	safe
Runner on 1st & 2nd only	out 1B	out 2B	safe	safe	safe
Runners on 1st & 3rd only	safe	safe	out 3B	safe	out 1B

Runners on 2nd & 3rd or

Bases Full

out 3B	safe	out 2B	safe	out 3B
--------	------	--------	------	--------

NOTE: If call is "SAFE" - runner(s) remain at bases.

If runner is out at designated base, any other runners may elect to advance on play. Handle as a stolen base attempt. Make roll for this optional action.

Put outs at second are made by shortstop if batter is left handed, by second baseman if batter is right handed.

Out 1B means Out at First Base, etc.

SACRIFICE BUNT CHART

Runner on First or runners on first and second only. (Not to be used for a squeeze play with runners on third)
Lead runner is rated:

		AR	S or AAR	Slo
FIRST TRY	Foul Ball	1-1-1 thru 3-6-6	1-1-1 thru 3-6-6	1-1-1 thru 3-6-6
	Successful	4-1-1 thru 5-6-6	4-1-1 thru 6-3-1	4-1-1 thru 5-1-1
	Failure	6-1-1 thru 6-6-6	6-3-2 thru 6-6-6	5-1-2 thru 6-6-6
SECOND TRY	Foul Ball	1-1-1 thru 3-6-6	1-1-1 thru 3-6-6	1-1-1 thru 3-6-6
	Successful	4-1-1 thru 5-6-6	4-1-1 thru 6-3-1	4-1-1 thru 5-1-1
	Failure	6-1-1 thru 6-6-6	6-3-2 thru 6-6-6	5-1-2 thru 6-6-6
THIRD TRY (optional)	Successful	1-1-1 thru 4-3-6	1-1-1 thru 4-6-6	1-1-1 thru 4-1-1
	Failure	4-4-1 thru 6-6-6	5-1-1 thru 6-6-6	4-1-2 thru 6-6-6
	(includes foul with two strikes)			

Special data on successful attempts. On First try batter is retired pitcher to first baseman. On Second try, batter is retired pitcher to second baseman covering first base. On Third try, batter is retired third baseman to second baseman covering first base. If last two dice are the same on a successful attempt, base runner(s) safe on a fielders choice and batter reaches first base and is credited with a sacrifice.

If a 6-6, credit batter with a bunt single.

Special data on unsuccessful attempts (not foul balls).
If the third dice ends in:

One: Runner out. If more than one runner, the lead runner is out, other advancing to second base. If put out at third base, runner out, pitcher to third. If put out at second base, runner out, pitcher to short stop. Batter reaches first.

Two: Runner out. If more than one runner, the lead runner is out, other advancing to second base. If put out at third base, runner out, first baseman to third baseman. If put out at second base, runner out, pitcher to shortstop. Batter reaches first.

Three: Runner out. If more than one runner, the lead runner is out, other advancing to second base. If put out at third base, runner out, catcher to third baseman. If put out at second base, runner out first baseman to shortstop. Batter reaches first.

Four: Batter strikes out. No advance.

Five: Batter fouls to catcher. No advance.

Six: Double Play. If more than one runner on base, lead

runner is doubled off. If runner doubled off second, put out catcher to shortstop. If runner doubled off first, put out pitcher to first baseman.

ERRORS: (As sacrifice attempt replaces First Roll action on batter, it is necessary to include error possibility in the Sacrifice Bunt Chart.)

Any failure (not including foul balls on first two tries) which ends in "double figures" on last two dice, 1-1, 2-2, 3-3, etc. replaces the described action with an error as follows:

1-1 Error on pitchers throw, all runners advance one base extra, batter reaches first.

2-2 Error on pitchers throw to first base. Runners advance on sacrifice credited to batter, and batter is safe at first on error.

3-3 Error on catchers throw, if more than one runner, lead runner advances two bases, other runner one base. If only one runner, advances one base. Batter reaches first safely on error.

4-4 Error on catchers throw. Runner(s) advance two bases, batter reaches second on catchers throwing error.

5-5 Error on first basemens throw, all runners advance one base extra, batter reaches first.

6-6 Error on third basemens throw, all runners advance one base extra, batter reaches first.

ERA ADJUSTMENT CHART

ERA	S	D	T	H		ERA	S	D	T	H		ERA	S	D	T	H
1-0.00-0.90	23	6	3	8	DEDUCT LINES	19-2.59-2.71	5	2	1	1	ADD LINES	5.56-5.76	13	5	3	6
2-0.91-0.97	22	6	3	8		20-2.72-2.84	4	2	-	1		5.77-5.98	14	6	3	8
3-0.98-1.05	21	6	3	8		21-2.85-2.98	3	2	-	1		5.99-6.20	15	6	3	8
4-1.06-1.13	20	6	3	8		22-2.99-3.12	2	1	-	-		6.21-6.42	16	6	3	8
5-1.14-1.21	19	6	3	8		23-3.13-3.26	1	-	-	-		6.43-6.66	17	6	3	8
6-1.22-1.30	18	6	3	8		24-3.27-3.41	NC	-	-	-		6.67-6.90	18	6	3	8
7-1.31-1.39	17	6	3	8		25-3.42-3.56	1	-	-	-		6.91-7.14	19	6	3	8
8-1.40-1.48	16	6	3	8		26-3.57-3.72	2	1	-	-		7.15-7.39	20	6	3	8
9-1.49-1.58	15	6	3	8		27-3.73-3.88	3	2	-	1		7.40-7.65	21	6	3	8
10-1.59-1.67	14	6	3	8		28-3.89-4.05	4	2	-	1		7.66-7.92	22	6	3	8
11-1.68-1.78	13	5	3	6		29-4.06-4.22	5	2	1	1		7.93-8.19	23	6	3	8
12-1.79-1.88	12	4	2	5		30-4.23-4.39	6	2	1	2		8.20-8.46	24	6	3	8
13-1.89-1.99	11	4	2	4		31-4.40-4.57	7	2	1	2		8.47-8.75	25	6	3	8
14-2.00-2.10	10	3	2	4		32-4.58-4.76	8	3	1	3		8.76-9.04	26	6	3	8
15-2.11-2.21	9	3	2	3		33-4.77-4.95	9	3	2	3		9.05-9.34	27	6	3	8
16-2.22-2.33	8	3	1	3		34-4.96-5.14	10	3	2	4		9.35-9.64	28	6	3	8
17-2.34-2.45	7	2	1	2		35-5.15-5.34	11	4	2	4		9.65-9.95	29	6	3	8
18-2.46-2.58	6	2	1	2		36-5.35-5.55	12	4	2	5		9.96-UP	30	6	3	8

HIT AND RUN CHART

Use only after First Roll. Cannot be used if error, double or triple play is signaled on First Roll.

IF BATTER HITS SAFELY:

Singles move any base runners one base more than movement on "Advancing On Singles and Doubles Chart".

Doubles score all base runners, regardless of running rating.

IF BATTER MAKES OUT:

Strike Out: The lead runner is handled as though it were a stolen base attempt.

Outfield Fly Out: All runners return safely to their bases. Any Slo runner is doubled off by outfielder rated T-1.

Infield Fly Out: On Foul Outs to an infielder or catcher, runners return safely to bases. On fair balls to infielders or pitchers, the lead runner is doubled off base.

Infield Ground Ball: All runners advance one base. Batter out at first.

NOTE: If a "hit and run" play is used with two out, lower the batter's hitting range by six lines; reduce extra base hits by one.

PLAYING THE INFIELD "IN"

(with runner on third) Play action on ground balls

Ground Ball to First: 1, 2, 3, 4, out at plate; 5 & 6 safe at plate. (1 thru 5 batter safe at first; 6, batter out 3 ua.)

Ground Ball to Second: 1, 2, 3 out at plate; 4, 5, 6 safe at plate. (1 thru 4 batter safe at first; 5 & 6, batter out 4-3)

Ground Ball to Short: 1-2-3-4 out at plate, 5 & 6 safe at plate. (1 thru 5 batter safe at first; 6 batter out 6-3)

Ground Ball to Third: 1-2-3-4 out at plate, 5 & 6 safe at plate. (1 thru 6 batter safe at first)

Ground Ball to Pitcher: 1-2-3-4-5 out at plate, 6 safe at plate. (1 thru 6 batter safe at first)

NOTE: With infield drawn in, increase the batter's hitting lines by six.

EXTRA INNINGS

HALL OF FAME PLAYERS

PLAYER	YEARS	POS	B	PCT	SB/BA RNG	DEF	W/K	HR	T	D	L	R
ANSON, CAP	76-97	1B	R	.329	AR		MK	1-1-2	1-1-5	1-3-6	3-1-3	2-6-4
APPLING, LUKE	30-50	SS	R	.310	AR	SD	MK	1-1-1	1-1-4	1-3-2	2-6-5	2-5-6
AVERILL, EARL	29-41	OF	L	.318	AR			1-2-2	1-2-6	1-5-2	2-5-4	2-6-4
BAKER, FRANK	08-22	3B	L	.307	AAR	SD	MK	1-1-3	1-2-1	1-3-6	2-5-3	2-6-1
BANCROFT, DAVE	15-30	SS	B	.279	AR	SD	MK	1-1-1	1-1-3	1-3-1	2-5-1	2-4-6
BANKS, ERNIE	53-71	SS/1B	R	.274	AR			1-2-6	1-3-2	1-4-5	2-5-4	2-4-4
BECKLEY, JAKE	88-07	1B	L	.308	AR		MK	1-1-2	1-2-1	1-3-6	2-5-1	2-6-2
BERRA, YOGI	46-63	C/OF	L	.285	SLO/AR	SD	MK	1-2-4	1-2-6	1-4-3	2-4-2	2-5-3
BOTTOMLEY, JIM	22-37	1B	L	.310	AR	SD		1-1-6	1-2-5	1-4-6	2-5-3	2-6-2
BOUDREAU, LOU	38-52	SS	R	.295	AR	SD	MK	1-1-2	1-1-5	1-4-1	2-6-1	2-5-3
BRESNAHAN, ROGER	97-15	C/UT	R	.279	AR		MK	1-1-1	1-1-5	1-3-3	2-5-5	2-4-5
BROUTHERS, DAN	79-04	1B	L	.342	AAR		MK	1-1-3	1-2-4	1-5-1	2-6-3	3-1-3
BURKETT, JESSE	90-05	OF	L	.338	AAR		MK	1-1-2	1-2-1	1-3-3	2-3-6	3-1-2
CAMPANELLA, ROY	48-57	C	R	.276	SLO	SD		1-2-6	1-3-1	1-4-4	2-5-2	2-4-5
CAREY, MAX	10-29	OF	B	.285	S	SD		1-1-2	1-1-5	1-3-3	2-4-6	2-5-2
CHANCE, FRANK	98-14	1B	R	.296	AAR	SD		1-1-1	1-1-5	1-3-3	2-6-2	2-5-3
CLARKE, FRED	94-15	OF	L	.312	AAR	SD/T-1	MK	1-1-2	1-2-1	1-3-4	2-5-5	2-6-2
CLEMENTE, ROBERTO	55-72	OF	R	.317	AAR	SD/T-1		1-1-5	1-2-3	1-4-1	3-1-2	2-6-1
COBB, TY	05-28	OF	L	.367	S	SD	MK	1-1-2	1-2-2	1-4-3	3-1-4	3-2-2
COCHRANE, MICKEY	25-37	C	L	.320	AR	SD	MK	1-1-5	1-2-2	1-4-4	2-5-6	2-6-4
COLLINS, EDDIE	06-30	2B	L	.333	S	SD	MK	1-1-1	1-1-5	1-3-3	2-6-2	3-1-1
COLLINS, JIMMY	95-08	3B	R	.294	AR	SD	MK	1-1-2	1-1-6	1-3-6	2-5-6	2-5-3
COMBS, EARL	24-35	OF	L	.325	AAR	SD	MK	1-1-2	1-2-2	1-4-2	2-6-1	2-6-5
CONNOR, ROGER	80-97	1B/UT	L	.317	AR	SD		1-1-4	1-2-4	1-4-4	2-5-6	2-6-3
CRAWFORD, SAM	99-17	OF	L	.309	AAR		MK	1-1-2	1-2-3	1-4-1	2-5-2	2-6-2
CRONIN, JOE	26-45	SS	R	.301	AR	SD		1-1-5	1-2-2	1-4-5	2-6-3	2-5-4
CUYLER, KIKI	28-38	OF	R	.321	AAR	SD		1-1-4	1-2-3	1-4-2	3-1-3	2-6-2
DELAHANTY, ED	88-03	OF	R	.346	AAR		MK	1-1-3	1-2-2	1-4-5	3-1-6	3-1-2
DICKEY, BILL	28-46	C	L	.313	AR	SD	MK	1-2-1	1-2-3	1-4-3	2-5-2	2-6-3
DIMAGGIO, JOE	36-51	OF	R	.325	AAR	SD/T-1	MK	1-2-5	1-3-4	1-5-4	3-1-3	2-6-3
DUFFEY, HUGH	88-06	OF	R	.324	AAR		MK	1-1-3	1-2-1	1-3-5	3-1-2	2-6-3
EVERS, JOHNNY	02-17	2B	L	.270	AAR	SD	MK	1-1-1	1-1-3	1-2-4	2-4-1	2-4-5
EWING, BUCK	80-97	C/UT	R	.303	AAR		MK	1-1-3	1-2-4	1-4-2	2-6-5	2-5-4
FLICK, ELMER	98-10	OF	L	.313	AAR		MK	1-1-2	1-2-2	1-4-1	2-5-2	2-6-3
FOXX, JIMMIE	25-45	1B/UT	R	.325	AR		PK	1-3-2	1-3-5	1-5-6	3-1-3	2-6-3
FRISCH, FRANKIE	19-37	2B	B	.316	AAR		MK	1-1-2	1-1-6	1-3-5	2-6-3	2-6-2
GEHRIG, LOU	23-39	1B	L	.340	AR			1-3-1	1-3-6	1-6-2	2-6-5	3-1-2
GEHRINGER, CHARLIE	24-42	2B	L	.320	AAR	SD	MK	1-1-4	1-2-2	1-4-4	2-5-6	2-6-4
GOSLIN, GOOSE	21-38	OF	L	.316	AR		MK	1-1-6	1-2-4	1-4-5	2-5-5	2-6-3
GREENBERG, HANK SP	30-47	1B/OF	R	.313	SLO	LD(OF)	PK	1-3-2	1-3-5	1-6-2	2-6-4	2-6-1
HAHEY, CHICK	24-37	OF	R	.317	AR	T-1		1-2-2	1-2-5	1-5-3	3-1-2	2-6-1
HAMILTON, BILLY	88-01	OF	L	.344	S	SD	MK	1-1-1	1-1-5	1-3-1	2-6-5	3-1-3
HARTNETT, GABBY	22-41	C	R	.297	SLO	SD		1-2-2	1-2-4	1-4-5	2-6-3	2-5-3
HEILMANN, HARRY	14-32	OF	R	.342	AR			1-1-5	1-2-3	1-4-6	3-1-5	3-1-1
HERMAN, BILLY	31-47	2B	R	.304	AR	SD	MK	1-1-1	1-1-4	1-3-5	2-6-2	2-5-5
HOOVER, HARRY	09-25	OF	L	.281	AAR	SD	MK	1-1-2	1-1-6	1-3-3	2-4-2	2-5-2
HORNSBY, ROGERS	15-37	2B	R	.358	AR	SD		1-2-2	1-2-6	1-5-3	3-2-4	3-1-4
IRVIN, MONTE	49-56	OF/1B	R	.293	AR	SD/T-1		1-2-3	1-2-5	1-4-2	2-6-2	2-5-2
JENNINGS, HUGHIE	91-18	SS	R	.311	AAR	SD	MK	1-1-1	1-1-5	1-3-3	2-6-6	2-5-6

KEELER, WILLIE	92-10	OF	L	.341	AAR		MK	1-1-1	1-1-4	1-2-5	2-6-2	3-1-3
KELLEY, JOE	91-08	OF	R	.321	AAR	SD	MK	1-1-2	1-2-2	1-4-1	3-1-3	2-6-2
KELLY, GEORGE	15-32	1B/OF	R	.297	AR	SD		1-1-5	1-2-2	1-4-2	2-6-3	2-5-3
KELLY, KING	78-93	OF/C	R	.307	AAR		MK	1-1-3	1-1-6	1-4-1	2-6-5	2-5-5
KINER, RALPH	46-55	OF	R	.279	SLO	LD	PW	1-3-3	1-3-5	1-5-2	2-5-5	2-4-5
LAJOIE, NAP	96-16	2B	R	.338	AAR	SD	MW/MK	1-1-2	1-1-6	1-4-2	3-1-5	2-6-6
LINDSTROM, FRED	24-36	3B/OF	R	.311	AR			1-1-4	1-2-1	1-4-1	2-6-6	2-5-6
MANTLE, MICKEY	51-68	OF	B	.298	AAR	SD/T-1	PW/PK	1-3-2	1-3-4	1-5-1	2-5-6	2-5-4
MANUSH, HEINIE	23-39	OF	L	.330	AR			1-1-3	1-2-2	1-4-3	2-6-2	2-6-6
MARANVILLE, RABBIT	12-35	SS/2B	R	.258	AAR	SD		1-1-1	1-1-4	1-3-1	2-4-5	2-4-1
MCCARTHY, TOM	84-96	OF	R	.294	AAR	SD/T-1		1-1-2	1-1-4	1-2-6	2-5-6	2-5-3
MCGRAW, JOHN	91-06	3B	L	.334	AAR	SD	PW/MK	1-1-1	1-1-5	1-2-5	2-6-3	3-1-1
MEDWICK, JOE	32-48	OF	R	.324	AR		MW	1-1-6	1-2-3	1-4-6	3-1-2	2-6-3
MUSIAL, STAN	41-63	OF/1B	L	.331	AR		MW	1-2-3	1-3-1	1-5-3	2-5-6	3-1-1
O'ROURKE, JIM	76-04	OF	R	.310	AAR		MK	1-1-1	1-1-5	1-3-5	2-6-5	2-5-6
OTT, MEL	26-47	OF	L	.304	AR	SD/T-1		1-2-6	1-3-1	1-4-6	2-4-6	2-6-1
RICE, SAM	15-34	OF	L	.322	AAR	T-1	MK	1-1-1	1-1-5	1-3-5	2-5-4	2-6-5
ROBINSON, JACKIE	47-56	2B/3B	R	.311	S	SD	MK	1-1-6	1-2-2	1-4-3	2-6-6	2-5-6
ROUSH, EDD	13-31	OF	L	.323	AAR		MK	1-1-2	1-2-1	1-3-5	2-5-5	2-6-5
RUTH, BABE	14-35	OF	L	.342	AAR		PW/PK	1-3-6	1-4-4	1-6-5	2-6-3	3-1-3
SCHALK, RAY	12-29	C	R	.253	AR	SD	MK	1-1-1	1-1-2	1-2-5	2-4-3	2-3-6
SIMMONS, AL	24-44	OF	R	.334	AR			1-2-2	1-2-5	1-5-1	3-1-5	2-6-5
SISLER, GEORGE	15-30	1B	L	.340	S	SD	MW/MK	1-1-3	1-2-1	1-3-6	2-6-5	3-1-2
SPEAKER, TRIS	07-28	OF	L	.344	S	SD	MK	1-1-2	1-2-1	1-4-6	2-6-5	3-1-3
TERRY, BILL	23-36	1B	L	.341	AR	SD		1-1-5	1-2-3	1-4-3	2-6-2	3-1-3
THOMPSON, SAM	85-06	OF	L	.331	AR		MK	1-1-5	1-2-4	1-4-5	2-5-6	3-1-1
TINKER, JOE	02-16	SS	R	.262	AAR	SD	MK	1-1-1	1-1-5	1-3-2	2-4-5	2-4-2
TRAYNOR, PIE	20-37	3B	R	.320	AR	SD	MK	1-1-2	1-1-6	1-3-5	3-1-2	2-6-2
WAGNER, HONUS	97-17	SS	R	.327	S	SD	MK	1-1-2	1-2-1	1-4-3	3-1-1	2-6-4
WALLACE, BOBBY	94-18	SS	R	.268	AR	SD	MK	1-1-1	1-1-4	1-3-2	2-5-1	2-4-3
WANER, LLOYD	27-45	OF	L	.316	AR		MW/MK	1-1-1	1-1-4	1-2-6	2-5-5	2-6-3
WANER, PAUL	26-45	OF	L	.333	AR		MK	1-1-3	1-2-1	1-4-3	2-6-2	3-1-1
WARD, MONTE	78-94	SS/UT	L	.275	S		MW/MK	1-1-1	1-1-3	1-2-4	2-4-3	2-4-6
WHEAT, ZACH	09-27	OF	L	.317	AR		MW	1-1-3	1-2-1	1-3-6	2-5-6	2-6-3
WILLIAMS, TED	39-60	OF	L	.344	AR		PW	1-3-3	1-3-5	1-6-1	2-6-5	3-1-3
YOUNGS, ROSS	17-26	OF	L	.322	AAR	SD/T-1		1-1-2	1-1-6	1-3-5	2-5-4	2-6-5

PITCHER	YEARS	THR	ERA	W	K	PITCHER	YEARS	THR	ERA	W	K
ALEXANDER, GROVER SD	11-30	R	2.56	1-2-3	6-3-2	KOUFAX, SANDY	55-66	L	2.76	1-3-5	5-3-2
BENDER, CHIEF	03-17	R	2.46	1-2-5	6-1-5	LEMON, BOB SD	41-58	R	3.23	1-3-4	6-2-6
BROWN, THREE FINGER	03-16	R	2.06	1-2-4	6-3-1	LYONS, TED SD	23-46	R	3.67	1-2-6	6-4-5
CHESBRO, JACK	99-09	R	2.68	1-2-5	6-3-1	MARQUARD, RUBE	08-25	L	3.08	1-2-6	6-2-5
CLARKSON, JOHN	82-94	R	2.81	1-2-6	6-3-1	MATHEWSON, CHRIS SD	00-16	R	2.13	1-2-3	6-2-2
COVELESKI, STAN	12-28	R	2.88	1-2-6	6-3-5	MCGINNITY, JOE	99-08	R	2.66	1-2-5	6-4-2
DEAN, DIZZY SD	30-40	R	3.03	1-2-5	6-1-5	NICHOLS, KID	90-06	R	2.95	1-2-6	6-3-5
FABER, RED	14-33	R	3.15	1-3-1	6-3-6	PAIGE, SATCHEL	48-53	R	3.29	1-3-6	6-1-3
FELLER, BOB	36-56	R	3.25	1-4-3	5-6-5	PENNOCK, HERB SD	12-34	L	3.61	1-2-6	6-4-1
FORD, WHITEY SD	50-67	L	2.75	1-3-4	6-1-3	PLANK, EDDIE SD	01-17	L	2.34	1-2-5	6-2-3
GALVIN, PUD	79-92	R	2.87	1-1-6	6-4-3	RADBOURN, HOSS	81-91	R	2.67	1-2-3	6-3-3
GOMEZ, LEFTY	30-43	L	3.34	1-4-2	6-1-5	RIXEY, EPPA	12-33	L	3.15	1-2-5	6-4-3
GRIFFITH, CLARK SD	91-07	R	3.31	1-2-4	6-4-4	ROBERTS, ROBIN SD	48-66	R	3.41	1-2-3	6-2-4
GRIMES, BURLEIGH	16-34	R	3.53	1-3-2	6-3-6	RUFFING, RED SD	24-47	R	3.80	1-3-4	6-2-6
GROVE, LEFTY	25-41	L	3.06	1-3-2	6-1-6	SPAHN, WARREN SD	42-65	L	3.09	1-3-1	6-2-4
HAINES, JESSE SD	18-37	R	3.64	1-2-6	6-4-3	VANCE, DAZZY	15-35	R	3.24	1-3-2	5-6-5
HOYT, WAITE SD	18-38	R	3.59	1-2-6	6-4-2	WADDELL, RUBE	97-10	L	2.16	1-3-1	5-5-5
HUBBELL, CARL SD	28-43	L	2.97	1-2-3	6-2-6	WALSH, ED SD	04-17	R	1.82	1-2-4	6-1-4
JOHNSON, WALTER SD	07-27	R	2.17	1-2-5	6-1-4	WYNN, EARLY	39-63	R	3.54	1-3-6	6-2-3
KEEFE, TIM	80-93	R	2.63	1-2-5	6-2-3	YOUNG, CY	90-11	R	2.63	1-2-2	6-3-4
						WELCH, MICKEY	80-92	R	2.71	1-2-6	6-3-4

EXTRA INNINGS

**HISTORIC
ROSTERS**

