

**SACRIFICE BUNT** Infield in: reduce one grade. Squeeze: reduce two grades.

	A	B	C	D	E
2	popout (c)	WALK	DP (p)	SINGLE	SINGLE
3	WALK	popout (c)	popout (c)	DP (p)	DP (p)
4	SAC (p)	SINGLE	SAC (p)	popout (3b)	lead out (1b)
5	SINGLE	strikeout	SAC (3b)	SAC (3b)	popout (1b)
6	lead out (p)	SAC (p)	strikeout	SAC (1b)	lead out (3b)
7	SAC (1b)	SAC (1b)	SAC (1b)	strikeout	SAC (p)
8	SAC (3b)	SAC (3b)	lead out (p)	lead out (p)	lead out (p)
9	SAC (p)	lead out (p)	lead out (3b)	lead out (1b)	strikeout
10	SAC (3b)	lead out (3b)	SAC (p)	SAC (p)	strikeout
11	strikeout	SAC (1b)	SINGLE	lead out (3b)	SAC (1b)
12	SAC (1b)	SAC (3b)	WALK	SAC (p)	SAC (3b)

**STEAL**

		AA	A	B	C	D	E
2B	SB	2-11	2-9	2-6	2-4	2-3	2-3
	Hold	12-16	10-15	7-14	5-14	4-14	4-13
	CS	17-19	16-19	15-19	15-19	15-19	14-19
		AA	A	B	C	D	E
3B	SB	2-8	2-7	2-7	2-4	2-3	2-3
	Hold	9-13	8-13	8-14	5-14	4-15	4-13
	CS	14-19	14-19	15-19	15-19	16-19	14-19
		AA	A	B	C	D	E
H	SB	2-6	2-5	2-4	2-3	2	2
	Hold	7-10	6-11	5-12	4-13	3-14	3-13
	CS	11-19	12-19	13-19	14-19	15-19	14-19

1: Balk (even) or E1 (odd). 20: Pickoff.

### SECONDBASEMAN

	1	2	3	4
gbA	1-15	1-10	1-5	-
gbB	-	11-12	6	-
gbC	-	13	7-11	1-6
SI*	-	14-15	12-13	7-8
SI**	-	-	14-15	9-15
gbA/E*	16-19	16-19	16-19	16-19
gbB/S*+E*	20	20	20	20

### SHORTSTOP

	1	2	3	4
gbA	1-15	1-7	1-3	-
gbB	-	8-9	4-7	1-3
gbC	-	10-13	8-11	4-9
SI*	-	14-15	12-13	10-11
SI**	-	-	14-15	12-15
gbA/E*	16-19	16-19	16-19	16-19
gbB/S*+E*	20	20	20	20

d20	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2B e	39	37	34	34	30	29	27	25	23	21	19	17	15	13	11	8	6	4	0	0
SS e	44	44	42	38	36	34	32	30	27	24	22	20	17	14	12	10	8	0	0	0

### CORNER OUTFIELDER

	1	2	3	4
flyA	-	1	1-2	1-2
flyB	1-7	2-6	3-4	3
flyC	8-14	7-11	5-8	-
SI**	-	12-13	9-11	4-10
DO**	-	14	12-13	1-12
TR***	-	-	14	13-14
flyC/E*	15	15	15	15
flyA/E**	16	16	16	16
flyB/S*+E*	17-20	17-20	17-20	17-20

### CENTERFIELDER

	1	2	3	4
flyA	-	1	1-2	1-2
flyB	1-7	2-7	3-5	3-5
flyC	8-16	8-13	6-10	-
SI**	-	14-15	11-13	6-12
DO**	-	16	14-15	13-14
TR***	-	-	16	15-16
flyA/E**	17	17	17	17
flyB/S*+E*	18-20	18-20	18-20	18-20

d20	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
OF e	16	15	14	13	13	12	11	10	9	8	8	7	6	5	4	3	3	3	1	0

## ADVANCEMENT

	gbA	gbB	gbC
Empty	1	1	1
1st	2	4	3
2nd	6	6	3
3rd	5 (1)	5 (7)	3 (1)
1st & 2nd	2	4	3
1st & 3rd	2 (8)	4 (7)	3
2nd & 3rd	5 (1)	5 (7)	3 (1)
Loaded	2 (9)	4 (7)	3 (7)

Parentheses: Infield in

1	Batter out, others hold.
2	DP 2B to 1B, others adv 1.
3	Batter out, others adv 1.
4	Force at 2B, others adv 1.
5	To 2B/SS: #3, otherwise #1.
6	To 1B/2B: #3, otherwise #1.
7	Batter safe, lead out, others adv 1.
8	Batter out, 3rd holds, 1st to 2B.
9	DP home to 1B, others adv 1.

## HIT AND RUN

	A	B	C	D
2	DO***	DO***	gb (1b) C	gb (1b) C
3	SI**	SI**	SI**	SI**
4	gb (1b) C	gb (1b) C	SI**	gb (2b) C
5	SI**	SI**	gb (ss) B	gb (ss) B
6	gb (2b) C	gb (2b) C	gb (2b) C	gb (ss) B
7	steal	steal	steal	steal
8	gb (2b) C	gb (2b) C	gb (1b) C	steal
9	gb (ss) B	gb (ss) B	steal	steal
10	popout (2b)	popout (2b)	gb (ss) B	steal
11	gb (1b) C	steal	steal	steal
12	SI**	lo (2b) DP	lo (2b) DP	lo (2b) DP

### PITCHER

	1	2	3	4
gbA	1-6	1	1	-
gbC	-	2-4	2-3	1
SI*	-	5-6	4	2-4
SI**	-	-	5-6	5-6
gbA/E*	7-15	7-15	7-15	7-15
gbB/E**	16-17	16-17	16-17	16-17
gbC/S*+E*	18-20	18-20	18-20	18-20

### CATCHER

	1	2	3	4
foulout	1-6	1-5	1	1
popout	7-9	6-8	2-3	2
gbB	10-11	-	4-5	-
WP	12-14	9-11	6-8	3-5
PB	15-16	12-16	9-16	6-16
gbB/E*	17-18	17-18	17-18	17-18
popout/INT	19	19	19	19
popout/FLE	20	20	20	20

d20	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
P e	36	35	33	31	28	27	24	23	22	20	18	16	14	12	10	8	6	4	4	0
C e	16	15	14	14	13	12	11	10	9	8	8	7	6	5	4	3	3	2	1	0

### FIRST/THIRDBASEMAN

	1	2	3	4
gbA	1-11	1-4	1	-
gbB	-	5-6	2-4	1
gbC	-	7-9	5-7	2-5
SI*	-	10-11	8-9	6
SI**	-	-	10-11	7-9
DO**	-	-	-	10-11
gbA/E*	12-18	12-18	12-18	12-18
gbB/E**	19	19	19	19
gbC/S*+E*	20	20	20	20

### AVERAGE e RATINGS

	P	C	1B	2B	3B	SS	OF
1901-1908	31	35	34	49	49	73	17
1909-1924	24	29	23	40	34	60	15
1925-1945	16	16	17	32	28	48	11
1946-1979	15	14	15	21	25	32	8
1980-2002	14	12	12	16	24	25	7
2003-2021	13	10	10	13	19	19	5

d20	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1B e	24	22	21	20	19	17	16	15	14	13	11	10	9	8	6	5	4	3	1	0
3B e	35	34	32	30	28	27	25	23	21	19	17	15	13	12	10	8	6	0	0	0

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