

# **Appendix I—COMMON ITEM DIF CATEGORY COUNTS IN THE MALE VS. FEMALE COMPARISON**



**Table I-1. 2008–09 NECAP: Common Item DIF Category Counts—  
Male vs. Female Comparison by Direction of Advantage, Item Type, Grade, and Content**

<i>Grade</i>	<i>Content</i>	<i>Item Type</i>	<i>F_A</i>	<i>M_A</i>	<i>N_A</i>	<i>P_A</i>	<i>F_B</i>	<i>M_B</i>	<i>N_B</i>	<i>P_B</i>	<i>F_C</i>	<i>M_C</i>	<i>N_C</i>	<i>P_C</i>
3	Mathematics	MC	53	33	86	0.97	0	3	3	0.03	0	0	0	0.00
		SA	23	31	54	0.96	1	1	2	0.04	0	0	0	0.00
	Reading	MC	47	23	70	1.00	0	0	0	0.00	0	0	0	0.00
		CR	12	3	15	1.00	0	0	0	0.00	0	0	0	0.00
4	Mathematics	MC	46	34	80	0.90	2	6	8	0.09	0	1	1	0.01
		SA	39	13	52	0.93	3	1	4	0.07	0	0	0	0.00
	Reading	MC	37	31	68	0.97	0	2	2	0.03	0	0	0	0.00
		CR	11	4	15	1.00	0	0	0	0.00	0	0	0	0.00
5	Mathematics	MC	34	42	76	0.88	2	8	10	0.12	0	0	0	0.00
		OR	34	23	57	0.97	2	0	2	0.03	0	0	0	0.00
	Reading	MC	27	34	61	0.87	0	9	9	0.13	0	0	0	0.00
		CR	14	1	15	1.00	0	0	0	0.00	0	0	0	0.00
	Writing	MC	4	6	10	1.00	0	0	0	0.00	0	0	0	0.00
		OR	7	0	7	1.00	0	0	0	0.00	0	0	0	0.00
6	Mathematics	MC	29	33	62	0.72	8	15	23	0.27	1	0	1	0.01
		OR	35	20	55	0.93	3	1	4	0.07	0	0	0	0.00
	Reading	MC	16	40	56	0.80	0	10	10	0.14	0	4	4	0.06
		CR	14	0	14	0.93	1	0	1	0.07	0	0	0	0.00
7	Mathematics	MC	37	29	66	0.77	3	14	17	0.20	0	3	3	0.03
		OR	31	19	50	0.85	6	3	9	0.15	0	0	0	0.00
	Reading	MC	26	33	59	0.84	0	8	8	0.11	0	3	3	0.04
		CR	10	0	10	0.67	5	0	5	0.33	0	0	0	0.00
8	Mathematics	MC	37	39	76	0.88	0	9	9	0.10	0	1	1	0.01
		OR	36	14	50	0.81	6	6	12	0.19	0	0	0	0.00
	Reading	MC	23	38	61	0.87	0	7	7	0.10	0	2	2	0.03
		CR	10	0	10	0.67	5	0	5	0.33	0	0	0	0.00
	Writing	MC	3	6	9	0.90	0	1	1	0.10	0	0	0	0.00
		OR	6	0	6	0.86	1	0	1	0.14	0	0	0	0.00
11	Mathematics	MC	26	25	51	0.91	1	4	5	0.09	0	0	0	0.00
		OR	29	15	44	0.81	6	4	10	0.19	0	0	0	0.00
	Reading	MC	15	24	39	0.70	2	12	14	0.25	0	3	3	0.05
		CR	7	0	7	0.58	5	0	5	0.42	0	0	0	0.00
	Writing	OR	5	0	5	0.83	1	0	1	0.17	0	0	0	0.00

F\_ = items on which females performed better than males (controlling for total test score); M\_ = items on which males performed better than females, (controlling for total test score); N\_ = number of items; P\_ = proportion of items\_ A = “negligible” DIF; \_B = “low” DIF; \_C = “high” DIF

