

Appendix H—NUMBER OF ITEMS CLASSIFIED INTO DIF CATEGORIES BY SUBGROUP TEST FORM AND ITEM TYPE

Table H-1. 2008–09 NECAP: Number of Items Classified into DIF Categories within Subgroups by Grade, Content, Test Form, and Item Type—Male versus Female

<i>Grade</i>	<i>Content</i>	<i>Form</i>	<i>All A</i>	<i>All B</i>	<i>All C</i>	<i>All D</i>	<i>MC A</i>	<i>MC B</i>	<i>MC C</i>	<i>MC D</i>	<i>OR A</i>	<i>OR B</i>	<i>OR C</i>	<i>OR D</i>	
3	Mathematics	00	52	3	0	0	33	2	0	0	19	1	0	0	
		01	9	1	0	0	6	0	0	0	3	1	0	0	
		02	10	0	0	0	6	0	0	0	4	0	0	0	
		03	10	0	0	0	6	0	0	0	4	0	0	0	
		04	10	0	0	0	6	0	0	0	4	0	0	0	
		05	10	0	0	0	6	0	0	0	4	0	0	0	
		06	10	0	0	0	6	0	0	0	4	0	0	0	
		07	9	1	0	0	5	1	0	0	4	0	0	0	
		08	10	0	0	0	6	0	0	0	4	0	0	0	
	09	10	0	0	0	6	0	0	0	4	0	0	0		
	Reading	00	34	0	0	0	28	0	0	0	6	0	0	0	
		01	17	0	0	0	14	0	0	0	3	0	0	0	
		02	17	0	0	0	14	0	0	0	3	0	0	0	
		03	17	0	0	0	14	0	0	0	3	0	0	0	
	4	Mathematics	00	49	6	0	0	31	4	0	0	18	2	0	0
			01	10	0	0	0	6	0	0	0	4	0	0	0
02			10	0	0	0	6	0	0	0	4	0	0	0	
03			7	3	0	0	4	2	0	0	3	1	0	0	
04			8	1	1	0	4	1	1	0	4	0	0	0	
05			10	0	0	0	6	0	0	0	4	0	0	0	
06			9	1	0	0	5	1	0	0	4	0	0	0	
07			10	0	0	0	6	0	0	0	4	0	0	0	
08			10	0	0	0	6	0	0	0	4	0	0	0	
09		9	1	0	0	6	0	0	0	3	1	0	0		
Reading	00	34	0	0	0	28	0	0	0	6	0	0	0		
	01	16	1	0	0	13	1	0	0	3	0	0	0		
	02	17	0	0	0	14	0	0	0	3	0	0	0		
	03	16	1	0	0	13	1	0	0	3	0	0	0		
5	Mathematics	00	45	3	0	0	29	3	0	0	16	0	0	0	
		01	9	2	0	0	4	2	0	0	5	0	0	0	
		02	10	1	0	0	5	1	0	0	5	0	0	0	
		03	10	0	0	0	6	0	0	0	4	0	0	0	
		04	9	2	0	0	5	1	0	0	4	1	0	0	
		05	11	0	0	0	6	0	0	0	5	0	0	0	
		06	10	1	0	0	6	0	0	0	4	1	0	0	
		07	9	2	0	0	4	2	0	0	5	0	0	0	
		08	10	1	0	0	5	1	0	0	5	0	0	0	
	09	10	0	0	0	6	0	0	0	4	0	0	0		
	Reading	00	33	1	0	0	27	1	0	0	6	0	0	0	
		01	13	4	0	0	10	4	0	0	3	0	0	0	
		02	14	3	0	0	11	3	0	0	3	0	0	0	
03		16	1	0	0	13	1	0	0	3	0	0	0		
Writing	01	17	0	0	0	10	0	0	0	7	0	0	0		
6	Mathematics	00	37	11	0	0	22	10	0	0	15	1	0	0	
		01	8	2	0	0	4	2	0	0	4	0	0	0	
		02	10	1	0	0	5	1	0	0	5	0	0	0	
		03	5	4	1	0	3	2	1	0	2	2	0	0	
		04	12	0	0	0	6	0	0	0	6	0	0	0	
		05	11	0	0	0	6	0	0	0	5	0	0	0	

(cont'd)

Grade	Content	Form	All A	All B	All C	All D	MC A	MC B	MC C	MC D	OR A	OR B	OR C	OR D
6	Mathematics	06	11	1	0	0	5	1	0	0	6	0	0	0
		07	8	2	0	0	4	2	0	0	4	0	0	0
		08	10	1	0	0	5	1	0	0	5	0	0	0
		09	5	5	0	0	2	4	0	0	3	1	0	0
	Reading	00	32	2	0	0	26	2	0	0	6	0	0	0
		01	11	6	0	0	8	6	0	0	3	0	0	0
		02	14	1	2	0	11	1	2	0	3	0	0	0
7	Mathematics	03	13	2	2	0	11	1	2	0	2	1	0	0
		00	42	5	1	0	29	2	1	0	13	3	0	0
		01	7	4	0	0	2	4	0	0	5	0	0	0
		02	9	1	0	0	5	1	0	0	4	0	0	0
		03	10	0	0	0	6	0	0	0	4	0	0	0
		04	6	5	0	0	3	3	0	0	3	2	0	0
		05	10	2	0	0	5	1	0	0	5	1	0	0
		06	8	2	2	0	4	0	2	0	4	2	0	0
		07	6	5	0	0	2	4	0	0	4	1	0	0
	08	9	1	0	0	5	1	0	0	4	0	0	0	
	09	9	1	0	0	5	1	0	0	4	0	0	0	
	Reading	00	27	6	1	0	23	4	1	0	4	2	0	0
		01	14	3	0	0	12	2	0	0	2	1	0	0
		02	13	3	1	0	12	1	1	0	1	2	0	0
		03	15	1	1	0	12	1	1	0	3	0	0	0
8	Mathematics	00	42	5	1	0	29	2	1	0	13	3	0	0
		01	9	2	0	0	4	2	0	0	5	0	0	0
		02	10	1	0	0	5	1	0	0	5	0	0	0
		03	10	2	0	0	6	0	0	0	4	2	0	0
		04	8	3	0	0	5	1	0	0	3	2	0	0
		05	9	0	0	0	6	0	0	0	3	0	0	0
		06	12	0	0	0	6	0	0	0	6	0	0	0
		07	6	5	0	0	4	2	0	0	2	3	0	0
		08	11	0	0	0	6	0	0	0	5	0	0	0
	09	9	3	0	0	5	1	0	0	4	2	0	0	
	Reading	00	27	6	1	0	24	3	1	0	3	3	0	0
		01	15	2	0	0	13	1	0	0	2	1	0	0
		02	14	2	1	0	12	1	1	0	2	1	0	0
03		15	2	0	0	12	2	0	0	3	0	0	0	
Writing	01	15	2	0	0	9	1	0	0	6	1	0	0	
11	Mathematics	00	41	5	0	0	21	3	0	0	20	2	0	0
		01	7	1	0	0	4	0	0	0	3	1	0	0
		02	6	2	0	0	2	2	0	0	4	0	0	0
		03	7	1	0	0	4	0	0	0	3	1	0	0
		04	7	1	0	0	3	1	0	0	4	0	0	0
		05	8	0	0	0	4	0	0	0	4	0	0	0
		06	8	0	0	0	4	0	0	0	4	0	0	0
		07	8	0	0	0	4	0	0	0	4	0	0	0
		08	6	2	0	0	2	2	0	0	4	0	0	0
	09	41	5	0	0	21	3	0	0	20	2	0	0	
	Reading	00	22	9	3	0	18	7	3	0	4	2	0	0
01		15	2	0	0	12	2	0	0	3	0	0	0	
02		11	5	1	0	8	5	1	0	3	0	0	0	

All = MC and OR items; MC = multiple-choice items; OR = open-response items;
A = "negligible" DIF; B = "low" DIF; C = "high" DIF; D = not enough students to perform reliable DIF analysis

Table H-2. 2008–09 NECAP: Number of Items Classified into DIF Categories within Subgroups by Grade, Content, Test Form, and Item Type—White versus Black

<i>Grade</i>	<i>Content</i>	<i>Form</i>	<i>All A</i>	<i>All B</i>	<i>All C</i>	<i>All D</i>	<i>MC A</i>	<i>MC B</i>	<i>MC C</i>	<i>MC D</i>	<i>OR A</i>	<i>OR B</i>	<i>OR C</i>	<i>OR D</i>
3	Mathematics	00	53	2	0	0	34	1	0	0	19	1	0	0
		01	0	0	0	10	0	0	0	6	0	0	0	4
		02	0	0	0	10	0	0	0	6	0	0	0	4
		03	0	0	0	10	0	0	0	6	0	0	0	4
		04	0	0	0	10	0	0	0	6	0	0	0	4
		05	0	0	0	10	0	0	0	6	0	0	0	4
		06	0	0	0	10	0	0	0	6	0	0	0	4
		07	0	0	0	10	0	0	0	6	0	0	0	4
		08	0	0	0	10	0	0	0	6	0	0	0	4
		09	0	0	0	10	0	0	0	6	0	0	0	4
3	Reading	00	31	2	1	0	26	1	1	0	5	1	0	0
		01	0	0	0	17	0	0	0	14	0	0	0	3
		02	0	0	0	17	0	0	0	14	0	0	0	3
		03	0	0	0	17	0	0	0	14	0	0	0	3
4	Mathematics	00	45	10	0	0	29	6	0	0	16	4	0	0
		01	0	0	0	10	0	0	0	6	0	0	0	4
		02	0	0	0	10	0	0	0	6	0	0	0	4
		03	0	0	0	10	0	0	0	6	0	0	0	4
		04	0	0	0	10	0	0	0	6	0	0	0	4
		05	0	0	0	10	0	0	0	6	0	0	0	4
		06	0	0	0	10	0	0	0	6	0	0	0	4
		07	0	0	0	10	0	0	0	6	0	0	0	4
		08	0	0	0	10	0	0	0	6	0	0	0	4
		09	0	0	0	10	0	0	0	6	0	0	0	4
4	Reading	00	30	3	1	0	24	3	1	0	6	0	0	0
		01	0	0	0	17	0	0	0	14	0	0	0	3
		02	0	0	0	17	0	0	0	14	0	0	0	3
		03	0	0	0	17	0	0	0	14	0	0	0	3
5	Mathematics	00	44	4	0	0	31	1	0	0	13	3	0	0
		01	0	0	0	11	0	0	0	6	0	0	0	5
		02	0	0	0	11	0	0	0	6	0	0	0	5
		03	0	0	0	10	0	0	0	6	0	0	0	4
		04	0	0	0	11	0	0	0	6	0	0	0	5
		05	0	0	0	11	0	0	0	6	0	0	0	5
		06	0	0	0	11	0	0	0	6	0	0	0	5
		07	0	0	0	11	0	0	0	6	0	0	0	5
		08	0	0	0	11	0	0	0	6	0	0	0	5
		09	0	0	0	10	0	0	0	6	0	0	0	4
5	Reading	00	29	4	1	0	23	4	1	0	6	0	0	0
		01	0	0	0	17	0	0	0	14	0	0	0	3
		02	0	0	0	17	0	0	0	14	0	0	0	3
		03	0	0	0	17	0	0	0	14	0	0	0	3
5	Writing	01	14	3	0	0	7	3	0	0	7	0	0	0
6	Mathematics	00	42	5	1	0	29	3	0	0	13	2	1	0
		01	0	0	0	10	0	0	0	6	0	0	0	4
		02	0	0	0	11	0	0	0	6	0	0	0	5
		03	0	0	0	10	0	0	0	6	0	0	0	4
		04	0	0	0	12	0	0	0	6	0	0	0	6

(cont'd)

Grade	Content	Form	All A	All B	All C	All D	MC A	MC B	MC C	MC D	OR A	OR B	OR C	OR D
6	Mathematics	05	0	0	0	11	0	0	0	6	0	0	0	5
		06	0	0	0	12	0	0	0	6	0	0	0	6
		07	0	0	0	10	0	0	0	6	0	0	0	4
		08	0	0	0	11	0	0	0	6	0	0	0	5
		09	0	0	0	10	0	0	0	6	0	0	0	4
	Reading	00	28	5	1	0	22	5	1	0	6	0	0	0
		01	0	0	0	17	0	0	0	14	0	0	0	3
		02	0	0	0	17	0	0	0	14	0	0	0	3
		03	0	0	0	17	0	0	0	14	0	0	0	3
		00	39	9	0	0	25	7	0	0	14	2	0	0
7	Mathematics	01	0	0	0	11	0	0	0	6	0	0	0	5
		02	0	0	0	10	0	0	0	6	0	0	0	4
		03	0	0	0	10	0	0	0	6	0	0	0	4
		04	0	0	0	11	0	0	0	6	0	0	0	5
		05	0	0	0	12	0	0	0	6	0	0	0	6
		06	0	0	0	12	0	0	0	6	0	0	0	6
		07	0	0	0	11	0	0	0	6	0	0	0	5
		08	0	0	0	10	0	0	0	6	0	0	0	4
		09	0	0	0	10	0	0	0	6	0	0	0	4
	Reading	00	27	7	0	0	21	7	0	0	6	0	0	0
01		0	0	0	17	0	0	0	14	0	0	0	3	
02		0	0	0	17	0	0	0	14	0	0	0	3	
03		0	0	0	17	0	0	0	14	0	0	0	3	
8	Mathematics	00	45	3	0	0	29	3	0	0	16	0	0	0
		01	0	0	0	11	0	0	0	6	0	0	0	5
		02	0	0	0	11	0	0	0	6	0	0	0	5
		03	0	0	0	12	0	0	0	6	0	0	0	6
		04	0	0	0	11	0	0	0	6	0	0	0	5
		05	0	0	0	9	0	0	0	6	0	0	0	3
		06	0	0	0	12	0	0	0	6	0	0	0	6
		07	0	0	0	11	0	0	0	6	0	0	0	5
		08	0	0	0	11	0	0	0	6	0	0	0	5
	09	0	0	0	11	0	0	0	6	0	0	0	5	
Reading	00	27	5	2	0	21	5	2	0	6	0	0	0	
	01	0	0	0	17	0	0	0	14	0	0	0	3	
	02	0	0	0	17	0	0	0	14	0	0	0	3	
	03	0	0	0	17	0	0	0	14	0	0	0	3	
Writing	01	13	4	0	0	6	4	0	0	7	0	0	0	
11	Mathematics	00	41	5	0	0	19	5	0	0	22	0	0	0
		01	0	0	0	8	0	0	0	4	0	0	0	4
		02	0	0	0	8	0	0	0	4	0	0	0	4
		03	0	0	0	8	0	0	0	4	0	0	0	4
		04	0	0	0	8	0	0	0	4	0	0	0	4
		05	0	0	0	8	0	0	0	4	0	0	0	4
		06	0	0	0	8	0	0	0	4	0	0	0	4
		07	0	0	0	8	0	0	0	4	0	0	0	4
		08	0	0	0	8	0	0	0	4	0	0	0	4
		09	41	5	0	0	19	5	0	0	22	0	0	0

(cont'd)

Grade	Content	Form	All A	All B	All C	All D	MC A	MC B	MC C	MC D	OR A	OR B	OR C	OR D
11	Reading	00	24	9	1	0	18	9	1	0	6	0	0	0
		01	0	0	0	17	0	0	0	14	0	0	0	3
		02	0	0	0	17	0	0	0	14	0	0	0	3
	Writing	00	0	1	0	0					0	1	0	0
		01	0	0	0	1					0	0	0	1
		02	0	0	0	1					0	0	0	1
		03	0	0	0	1					0	0	0	1
		06	0	0	0	1				0	0	0	1	
		07	0	0	0	1				0	0	0	1	

All = MC and OR items; MC = multiple-choice items; OR = open-response items;
A = "negligible" DIF; B = "low" DIF; C = "high" DIF; D = not enough students to perform reliable DIF analysis

Table H-3. 2008–09 NECAP: Number of Items Classified into DIF Categories within Subgroups by Grade, Content, Test Form, and Item Type —White versus Hispanic

Grade	Content	Form	All A	All B	All C	All D	MC A	MC B	MC C	MC D	OR A	OR B	OR C	OR D
3	Mathematics	00	47	8	0	0	30	5	0	0	17	3	0	0
		01	9	1	0	0	5	1	0	0	4	0	0	0
		02	6	4	0	0	5	1	0	0	1	3	0	0
		03	8	2	0	0	5	1	0	0	3	1	0	0
		04	9	1	0	0	6	0	0	0	3	1	0	0
		05	8	2	0	0	6	0	0	0	2	2	0	0
		06	7	3	0	0	3	3	0	0	4	0	0	0
		07	8	1	1	0	5	1	0	0	3	0	1	0
		08	7	3	0	0	5	1	0	0	2	2	0	0
		09	8	2	0	0	4	2	0	0	4	0	0	0
3	Reading	00	27	7	0	0	22	6	0	0	5	1	0	0
		01	16	0	1	0	13	0	1	0	3	0	0	0
		02	14	3	0	0	11	3	0	0	3	0	0	0
		03	16	1	0	0	13	1	0	0	3	0	0	0
4	Mathematics	00	49	6	0	0	31	4	0	0	18	2	0	0
		01	7	3	0	0	4	2	0	0	3	1	0	0
		02	7	3	0	0	4	2	0	0	3	1	0	0
		03	9	0	1	0	5	0	1	0	4	0	0	0
		04	9	1	0	0	5	1	0	0	4	0	0	0
		05	7	2	1	0	4	1	1	0	3	1	0	0
		06	8	2	0	0	5	1	0	0	3	1	0	0
		07	10	0	0	0	6	0	0	0	4	0	0	0
		08	8	1	1	0	5	0	1	0	3	1	0	0
		09	8	1	1	0	4	1	1	0	4	0	0	0
4	Reading	00	24	9	1	0	19	8	1	0	5	1	0	0
		01	15	2	0	0	12	2	0	0	3	0	0	0
		02	16	0	1	0	13	0	1	0	3	0	0	0
		03	14	2	1	0	11	2	1	0	3	0	0	0
5	Mathematics	00	43	5	0	0	30	2	0	0	13	3	0	0
		01	9	2	0	0	4	2	0	0	5	0	0	0
		02	9	2	0	0	5	1	0	0	4	1	0	0
		03	8	2	0	0	5	1	0	0	3	1	0	0
		04	10	1	0	0	6	0	0	0	4	1	0	0
		05	10	1	0	0	6	0	0	0	4	1	0	0
		06	10	1	0	0	5	1	0	0	5	0	0	0
		07	10	1	0	0	6	0	0	0	4	1	0	0

(cont'd)

Grade	Content	Form	All A	All B	All C	All D	MC A	MC B	MC C	MC D	OR A	OR B	OR C	OR D
5	Reading	08	9	2	0	0	5	1	0	0	4	1	0	0
		09	9	1	0	0	5	1	0	0	4	0	0	0
		00	26	7	1	0	20	7	1	0	6	0	0	0
		01	11	5	1	0	8	5	1	0	3	0	0	0
		02	12	4	1	0	10	3	1	0	2	1	0	0
		03	12	5	0	0	9	5	0	0	3	0	0	0
6	Mathematics	01	13	3	1	0	6	3	1	0	7	0	0	0
		00	41	6	1	0	27	5	0	0	14	1	1	0
		01	9	1	0	0	5	1	0	0	4	0	0	0
		02	5	5	1	0	3	3	0	0	2	2	1	0
		03	5	4	1	0	3	2	1	0	2	2	0	0
		04	10	2	0	0	5	1	0	0	5	1	0	0
		05	6	4	1	0	3	3	0	0	3	1	1	0
		06	9	3	0	0	3	3	0	0	6	0	0	0
		07	8	2	0	0	4	2	0	0	4	0	0	0
		08	8	2	1	0	4	1	1	0	4	1	0	0
7	Reading	09	5	5	0	0	3	3	0	0	2	2	0	0
		00	23	8	3	0	17	8	3	0	6	0	0	0
		01	12	2	3	0	10	1	3	0	2	1	0	0
		02	13	2	2	0	10	2	2	0	3	0	0	0
		03	7	6	4	0	5	5	4	0	2	1	0	0
8	Mathematics	00	41	4	3	0	27	3	2	0	14	1	1	0
		01	10	1	0	0	6	0	0	0	4	1	0	0
		02	9	1	0	0	6	0	0	0	3	1	0	0
		03	9	1	0	0	6	0	0	0	3	1	0	0
		04	8	2	1	0	4	2	0	0	4	0	1	0
		05	10	1	1	0	5	1	0	0	5	0	1	0
		06	10	1	1	0	5	0	1	0	5	1	0	0
		07	11	0	0	0	6	0	0	0	5	0	0	0
		08	8	2	0	0	6	0	0	0	2	2	0	0
		09	9	1	0	0	5	1	0	0	4	0	0	0
9	Reading	00	24	10	0	0	18	10	0	0	6	0	0	0
		01	11	5	1	0	8	5	1	0	3	0	0	0
		02	12	4	1	0	9	4	1	0	3	0	0	0
		03	14	2	1	0	12	1	1	0	2	1	0	0
10	Mathematics	00	45	3	0	0	29	3	0	0	16	0	0	0
		01	11	0	0	0	6	0	0	0	5	0	0	0
		02	11	0	0	0	6	0	0	0	5	0	0	0
		03	11	0	1	0	5	0	1	0	6	0	0	0
		04	7	4	0	0	4	2	0	0	3	2	0	0
		05	7	2	0	0	4	2	0	0	3	0	0	0
		06	11	1	0	0	5	1	0	0	6	0	0	0
		07	7	3	1	0	3	2	1	0	4	1	0	0
		08	9	2	0	0	5	1	0	0	4	1	0	0
		09	9	2	1	0	5	1	0	0	4	1	1	0
11	Reading	00	25	7	2	0	19	7	2	0	6	0	0	0
		01	12	3	2	0	9	3	2	0	3	0	0	0
		02	14	2	1	0	11	2	1	0	3	0	0	0
		03	9	3	5	0	7	2	5	0	2	1	0	0
12	Writing	01	12	5	0	0	5	5	0	0	7	0	0	0

(cont'd)

<i>Grade</i>	<i>Content</i>	<i>Form</i>	<i>All A</i>	<i>All B</i>	<i>All C</i>	<i>All D</i>	<i>MC A</i>	<i>MC B</i>	<i>MC C</i>	<i>MC D</i>	<i>OR A</i>	<i>OR B</i>	<i>OR C</i>	<i>OR D</i>
11	Mathematics	00	43	3	0	0	21	3	0	0	22	0	0	0
		01	6	2	0	0	3	1	0	0	3	1	0	0
		02	6	2	0	0	3	1	0	0	3	1	0	0
		03	6	2	0	0	2	2	0	0	4	0	0	0
		04	5	2	1	0	1	2	1	0	4	0	0	0
		05	7	1	0	0	3	1	0	0	4	0	0	0
		06	7	1	0	0	3	1	0	0	4	0	0	0
		07	5	3	0	0	2	2	0	0	3	1	0	0
		08	4	3	1	0	2	2	0	0	2	1	1	0
	Reading	00	17	10	7	0	13	8	7	0	4	2	0	0
		01	10	6	1	0	8	5	1	0	2	1	0	0
		02	11	5	1	0	9	4	1	0	2	1	0	0
	Writing	00	0	1	0	0					0	1	0	0
		01	1	0	0	0					1	0	0	0
		02	1	0	0	0					1	0	0	0
		03	1	0	0	0					1	0	0	0
		06	1	0	0	0					1	0	0	0
			07	1	0	0					1	0	0	0

All = MC and OR items; MC = multiple-choice items; OR = open-response items;
A = "negligible" DIF; B = "low" DIF; C = "high" DIF; D = not enough students to perform reliable DIF analysis

