

Appendix G: Total and Subgroup Reliability

Table G-1. Overall Estimates of Standard Error of Measurement

Content Area	Grade	Standard Error Of Measurement
Reading	3	25.51
Reading	4	17.04
Reading	5	18.43
Reading	6	18.01
Reading	7	17.98
Reading	8	17.04
Reading	9	15.89
Reading	10	17.86
Spanish Reading	3	17.32
Spanish Reading	4	13.75
Writing	3	16.31
Writing	4	15.23
Writing	5	17.47
Writing	6	19.07
Writing	7	21.49
Writing	8	21.54
Writing	9	21.7
Writing	10	24.13
Spanish Writing	3	19.59
Spanish Writing	4	17.73
Mathematics	3	28.24
Mathematics	4	19.14
Mathematics	5	17.48
Mathematics	6	18.81
Mathematics	7	19.44
Mathematics	8	19.36
Mathematics	9	18.87
Mathematics	10	19.94
Science	5	16.10
Science	8	16.24
Science	10	16.76

Table G-2. Reading Scale Scores and Associated Standard Errors

RD 3		RD 4		RD 5		RD 6		RD 7		RD 8		RD 9		RD 10	
SS	SE	SS	SE	SS	SE	SS	SE	SS	SE	SS	SE	SS	SE	SS	SE
150	223														
175	196	180	245												
200	171	200	212	220	184										
225	147	225	175	225	179										
250	124	250	143	250	153	260	179								
275	102	275	115	275	130	275	160								
300	82	300	91	300	109	300	133	300	153						
325	65	325	71	325	90	325	110	325	128	330	129				
350	50	350	54	350	74	350	90	350	106	350	111	350	189	370	158
375	39	375	41	375	59	375	74	375	87	375	92	375	150	375	152
400	30	400	31	400	47	400	60	400	70	400	75	400	119	400	123
425	25	425	24	425	37	425	49	425	55	425	61	425	93	425	99
450	21	450	20	450	29	450	39	450	42	450	49	450	72	450	79
475	18	475	16	475	23	475	31	475	32	475	39	475	54	475	61
500	17	500	14	500	19	500	24	500	24	500	29	500	40	500	46
525	17	525	14	525	16	525	19	525	19	525	22	525	28	525	34
550	18	550	13	550	15	550	16	550	16	550	16	550	20	550	24
575	20	575	13	575	14	575	14	575	14	575	14	575	14	575	18
600	23	600	14	600	14	600	14	600	13	600	13	600	11	600	14
625	28	625	16	625	15	625	13	625	13	625	13	625	11	625	12
650	33	650	18	650	16	650	14	650	13	650	13	650	11	650	11
675	39	675	21	675	17	675	14	675	14	675	13	675	11	675	10
700	45	700	24	700	20	700	16	700	15	700	14	700	11	700	11
725	51	725	28	725	23	725	18	725	17	725	16	725	12	725	12
750	60	750	34	750	28	750	20	750	20	750	19	750	14	750	14
775	72	775	44	775	34	775	22	775	25	775	23	775	19	775	17
795	84	800	56	800	41	800	26	800	31	800	28	800	26	800	23
		825	69	825	50	825	33	825	39	825	35	825	35	825	29
		850	84	850	61	850	43	850	47	850	43	850	46	850	37
		875	101	875	73	875	54	875	55	875	53	875	60	875	46
		900	120	900	86	900	67	900	65	900	65	900	76	900	57
		925	140	925	101	925	83	925	76	925	78	925	95	925	70
		940	154	950	117	950	101	950	89	950	94	950	118	950	85
				955	120	970	119	975	104	975	112	975	145	975	103
								980	107	990	123	995	170	999	121

Table G-3. Writing Scale Scores and Associated Standard Errors

WR 3		WR 4		WR 5		WR 6		WR 7		WR 8		WR 9		WR 10	
SS	SE	SS	SE	SS	SE	SS	SE	SS	SE	SS	SE	SS	SE	SS	SE
150	159														
175	128	190	73												
200	99	200	67	220	63										
225	73	225	52	225	60	230	52	240	47						
250	51	250	40	250	46	250	46	250	45	250	41	260	44	270	44
275	35	275	31	275	36	275	39	275	41	275	37	275	41	275	43
300	24	300	24	300	30	300	35	300	38	300	34	300	37	300	38
325	17	325	20	325	26	325	32	325	35	325	32	325	34	325	35
350	14	350	17	350	23	350	28	350	31	350	31	350	31	350	31
375	12	375	15	375	20	375	25	375	28	375	28	375	28	375	28
400	11	400	13	400	17	400	23	400	25	400	26	400	25	400	25
425	12	425	11	425	14	425	20	425	22	425	23	425	24	425	23
450	13	450	12	450	13	450	17	450	20	450	20	450	21	450	21
475	16	475	13	475	13	475	15	475	18	475	19	475	19	475	20
500	19	500	15	500	14	500	15	500	18	500	18	500	17	500	19
525	22	525	18	525	16	525	16	525	18	525	18	525	17	525	19
550	26	550	21	550	18	550	17	550	19	550	18	550	17	550	19
575	32	575	25	575	21	575	18	575	20	575	19	575	17	575	20
600	42	600	31	600	25	600	20	600	21	600	21	600	19	600	21
625	57	625	39	625	30	625	22	625	22	625	23	625	20	625	22
650	80	650	49	650	36	650	24	650	24	650	25	650	23	650	23
675	111	675	63	675	44	675	27	675	26	675	28	675	25	675	25
680	118	700	80	700	54	700	31	700	28	700	30	700	28	700	27
		725	101	725	65	725	37	725	31	725	33	725	30	725	30
		730	106	750	79	750	46	750	35	750	37	750	33	750	33
				775	96	775	56	775	40	775	41	775	36	775	36
				780	100	800	68	800	47	800	49	800	40	800	41
						825	83	825	55	825	59	825	46	825	48
						840	92	850	65	850	72	850	55	850	56
								875	78	875	87	875	67	875	67
								890	87	900	105	900	82	900	81
										910	113	925	100	925	98
										930	104	950	104	950	118

Table G-4. Spanish Reading and Writing Scale Scores and Associated Standard Errors

SP RD 3		SP RD 4			Sp WR 3		SP WR 4	
SS	SE	SS	SE		SS	SE	SS	SE
					250	70		
					275	52		
300	139	300	127		300	39	300	65
325	106	325	98		325	29	325	50
350	79	350	74		350	22	350	36
375	57	375	55		375	18	375	27
400	39	400	39		400	15	400	21
425	25	425	25		425	15	425	19
450	17	450	17		450	14	450	17
475	13	475	12		475	15	475	16
500	12	500	10		500	16	500	14
525	11	525	9		525	18	525	12
550	12	550	9		550	20	550	11
575	14	575	10		575	23	575	12
600	18	600	11		600	26	600	15
625	22	625	15		625	30	625	19
650	30	650	21		650	36	650	25
675	41	675	28		675	44	675	32
700	59	700	37		700	57	700	41
725	85	725	47		725	76	725	51
740	106	750	58		750	101	750	62
		775	70				775	75
		790	77				790	83

Table G-5. Mathematics Scale Scores and Associated Standard Errors

MA 3		MA 4		MA 5		MA 6		MA 7		MA 8		MA 9		MA 10	
SS	SE	SS	SE	SS	SE	SS	SE	SS	SE	SS	SE	SS	SE	SS	SE
150	58														
175	47	180	48												
200	39	200	41	220	51										
225	33	225	33	225	49	240	58								
250	29	250	28	250	42	250	55								
275	26	275	24	275	35	275	47	280	76						
300	24	300	22	300	30	300	41	300	66	310	85				
325	22	325	20	325	26	325	35	325	56	325	75	340	84		
350	22	350	18	350	23	350	30	350	47	350	61	350	77	370	67
375	21	375	16	375	19	375	26	375	40	375	50	375	61	375	65
400	21	400	15	400	17	400	23	400	34	400	40	400	49	400	54
425	22	425	15	425	15	425	21	425	28	425	33	425	39	425	46
450	23	450	15	450	14	450	19	450	23	450	27	450	31	450	39
475	25	475	15	475	14	475	17	475	19	475	22	475	26	475	33
500	27	500	16	500	14	500	16	500	16	500	18	500	22	500	28
525	31	525	18	525	15	525	15	525	14	525	14	525	19	525	23
550	36	550	21	550	16	550	15	550	13	550	12	550	16	550	19
575	43	575	24	575	19	575	15	575	12	575	11	575	14	575	16
600	52	600	28	600	22	600	16	600	11	600	11	600	12	600	14
625	64	625	34	625	26	625	18	625	12	625	11	625	11	625	12
650	78	650	41	650	32	650	21	650	13	650	11	650	11	650	11
675	96	675	50	675	40	675	25	675	16	675	13	675	11	675	11
700	118	700	61	700	49	700	31	700	21	700	16	700	13	700	12
		725	74	725	61	725	38	725	27	725	20	725	16	725	13
		750	89	750	74	750	46	750	36	750	27	750	20	750	16
		775	107	775	90	775	56	775	47	775	39	775	27	775	21
		780	111	800	108	800	68	800	60	800	54	800	36	800	29
						825	81	825	76	825	73	825	47	825	38
						830	84	850	95	850	94	850	61	850	50
								860	104	875	120	875	79	875	65
										890	137	900	100	900	85
												920	120	925	110
														950	141

Table G-6. Subgroup Reliability for the 2006 CSAP Mathematics Tests, Grades 3-10

Grade	Subgroup	N	Mean	STD	Min.	Max.	Alpha	SEM
3	Am. Indian/AK Nat.	627	436.54	82.35	162	700	0.894	26.79
	Asian/Pac. Isl.	1991	495.76	86.37	150	700	0.887	29.05
	Black	3208	416.10	86.89	150	700	0.908	26.30
	Hispanic	16425	421.44	82.09	150	700	0.894	26.69
	White	33977	488.45	83.09	150	700	0.881	28.69
	Female	27646	463.10	87.87	150	700	0.900	27.73
	Male	28581	465.72	90.66	150	700	0.906	27.82
	Free Lunch Elig.	17977	418.74	81.73	150	700	0.896	26.41
	Reduced Lunch Elig.	4001	449.66	81.69	150	700	0.891	26.96
	Not FRL Elig.	34218	490.17	83.81	150	700	0.882	28.76
	Not Mig. or Immig.	54007	466.88	88.66	150	700	0.901	27.85
	Mig. or Immig.	2206	404.56	83.92	150	700	0.898	26.86
	No Disability	50635	472.23	85.65	150	700	0.891	28.24
	Disability	5580	393.76	90.77	150	700	0.910	27.30
	Lang. Prof. NA	47179	474.80	86.78	150	700	0.896	28.00
	Lang. Prof. NEP	1764	366.65	82.09	150	700	0.890	27.16
	Lang. Prof. LEP	5444	403.72	72.94	150	700	0.873	26.05
	Lang. Prof. FEP	1836	472.16	74.19	204	700	0.845	29.25
4	Am. Indian/AK Nat.	702	466.97	72.55	180	739	0.940	17.81
	Asian/Pac. Isl.	1958	517.31	76.27	180	780	0.937	19.12
	Black	3406	446.98	77.64	180	719	0.945	18.19
	Hispanic	15816	453.41	72.48	180	780	0.938	18.02
	White	34332	508.17	69.04	180	780	0.926	18.72
	Female	27482	486.24	75.13	180	780	0.940	18.40
	Male	28731	491.37	76.34	180	780	0.942	18.32
	Free Lunch Elig.	17560	450.08	72.89	180	780	0.939	17.97
	Reduced Lunch Elig.	3962	475.20	69.63	215	780	0.933	17.96
	Not FRL Elig.	34659	510.09	69.53	180	780	0.927	18.81
	Not Mig. or Immig.	54909	490.12	75.31	180	780	0.940	18.38
	Mig. or Immig.	1288	435.48	77.32	180	780	0.941	18.75
	No Disability	50393	496.80	71.22	180	780	0.931	18.65
	Disability	5806	419.99	79.34	180	780	0.945	18.63
	Lang. Prof. NA	47766	497.42	72.79	180	780	0.936	18.44
	Lang. Prof. NEP	1333	394.99	73.10	180	732	0.928	19.58
	Lang. Prof. LEP	4891	430.84	66.61	180	730	0.927	17.98
	Lang. Prof. FEP	2221	489.02	64.75	259	780	0.918	18.51
5	Am. Indian/AK Nat.	624	496.97	70.64	220	732	0.944	16.76
	Asian/Pac. Isl.	1940	549.07	74.52	220	800	0.939	18.39
	Black	3412	482.68	74.39	220	800	0.949	16.76
	Hispanic	15436	484.78	68.85	220	800	0.944	16.36
	White	34673	537.56	69.79	220	800	0.940	17.13
	Female	27303	519.32	72.64	220	800	0.946	16.90
	Male	28782	519.94	76.24	220	800	0.951	16.89
	Free Lunch Elig.	16924	480.26	68.97	220	800	0.943	16.40
	Reduced Lunch Elig.	3974	504.53	66.14	220	800	0.938	16.41
	Not FRL Elig.	35159	540.33	69.77	220	800	0.939	17.24

**Table G-6. Subgroup Reliability for the 2006 CSAP Mathematics Tests, Grades 3-10
(continued)**

Grade	Subgroup	N	Mean	STD	Min.	Max.	Alpha	SEM
5 (cont.)	Not Mig. or Immig.	54886	520.78	74.15	220	800	0.948	16.91
	Mig. or Immig.	1189	467.40	72.50	220	742	0.943	17.28
	No Disability	50091	528.23	69.61	220	800	0.939	17.14
	Disability	5986	447.82	75.40	220	742	0.947	17.42
	Lang. Prof. NA	48405	526.85	72.57	220	800	0.945	16.95
	Lang. Prof. NEP	1035	426.74	71.06	220	723	0.933	18.33
	Lang. Prof. LEP	4219	460.45	60.66	220	719	0.930	16.10
	Lang. Prof. FEP	2427	518.45	62.43	282	800	0.925	17.09
6	Am. Indian/AK Nat.	713	502.49	75.93	240	830	0.935	19.29
	Asian/Pac. Isl.	1781	559.23	73.08	240	830	0.938	18.14
	Black	3407	487.48	77.91	240	830	0.938	19.43
	Hispanic	15387	490.97	70.91	240	774	0.929	18.85
	White	35210	548.66	69.89	240	830	0.933	18.06
	Female	27577	529.28	73.63	240	830	0.940	18.11
	Male	28922	528.75	78.44	240	830	0.944	18.64
	Free Lunch Elig.	16672	485.67	72.21	240	791	0.930	19.16
	Reduced Lunch Elig.	4058	514.14	68.93	240	774	0.931	18.13
	Not FRL Elig.	35727	550.94	69.31	240	830	0.932	18.03
	Not Mig. or Immig.	55412	530.07	75.76	240	830	0.941	18.39
	Mig. or Immig.	1067	474.00	75.42	240	740	0.932	19.69
	No Disability	50752	538.36	69.77	240	830	0.933	18.04
	Disability	5733	446.21	79.88	240	720	0.928	21.43
	Lang. Prof. NA	49531	535.68	74.21	240	830	0.939	18.27
	Lang. Prof. NEP	865	426.86	74.08	240	722	0.909	22.36
Lang. Prof. LEP	3452	464.19	64.22	240	701	0.909	19.39	
Lang. Prof. FEP	2644	522.08	60.99	240	774	0.916	17.70	
7	Am. Indian/AK Nat.	723	516.74	75.12	280	711	0.922	21.03
	Asian/Pac. Isl.	1688	574.29	71.05	280	860	0.933	18.44
	Black	3507	496.71	75.52	280	705	0.917	21.71
	Hispanic	15366	503.92	72.34	280	834	0.915	21.15
	White	36179	564.41	67.95	280	860	0.926	18.51
	Female	27991	544.16	72.71	280	860	0.931	19.08
	Male	29471	543.44	78.52	280	860	0.936	19.83
	Free Lunch Elig.	16312	498.73	73.02	280	834	0.912	21.63
	Reduced Lunch Elig.	3873	525.97	67.64	280	726	0.915	19.70
	Not FRL Elig.	37257	565.40	68.16	280	860	0.927	18.46
	Not Mig. or Immig.	56313	545.09	75.16	280	860	0.933	19.43
	Mig. or Immig.	1134	479.97	77.11	280	680	0.908	23.42
	No Disability	52089	552.75	69.32	280	860	0.927	18.69
	Disability	5364	456.87	80.40	280	798	0.906	24.64
	Lang. Prof. NA	50903	550.21	73.58	280	860	0.932	19.23
	Lang. Prof. NEP	1027	442.34	75.83	280	667	0.878	26.52
Lang. Prof. LEP	2824	476.33	65.65	280	680	0.878	22.88	
Lang. Prof. FEP	2707	532.03	61.26	327	744	0.906	18.76	

**Table G-6. Subgroup Reliability for the 2006 CSAP Mathematics Tests, Grades 3-10
(continued)**

Grade	Subgroup	N	Mean	STD	Min.	Max.	Alpha	SEM
8	Am. Indian/AK Nat.	749	534.86	75.87	310	739	0.917	21.79
	Asian/Pac. Isl.	1759	591.76	71.80	310	881	0.938	17.86
	Black	3498	517.18	77.76	310	709	0.907	23.67
	Hispanic	14800	521.88	72.10	310	772	0.904	22.33
	White	37393	581.48	68.02	310	890	0.928	18.20
	Female	28548	561.54	71.65	310	890	0.929	19.09
	Male	29650	562.78	79.00	310	865	0.937	19.88
	Free Lunch Elig.	15219	515.39	73.57	310	768	0.899	23.39
	Reduced Lunch Elig.	3754	545.06	68.18	310	782	0.910	20.42
	Not FRL Elig.	39192	582.03	68.05	310	890	0.929	18.09
	Not Mig. or Immig.	57172	563.28	75.04	310	890	0.933	19.45
	Mig. or Immig.	1012	500.42	74.69	310	724	0.891	24.71
	No Disability	53000	570.88	68.74	310	890	0.929	18.28
	Disability	5189	473.26	83.46	310	788	0.892	27.48
	Lang. Prof. NA	52183	567.70	73.65	310	890	0.932	19.20
	Lang. Prof. NEP	1019	463.95	76.80	310	725	0.854	29.33
	Lang. Prof. LEP	2455	495.65	65.49	310	731	0.862	24.33
Lang. Prof. FEP	2534	552.36	61.30	310	819	0.909	18.50	
9	Am. Indian/AK Nat.	712	543.41	75.07	340	712	0.913	22.17
	Asian/Pac. Isl.	1768	601.70	68.16	340	811	0.933	17.59
	Black	3547	532.05	75.24	340	748	0.908	22.87
	Hispanic	14771	534.05	70.19	340	795	0.898	22.40
	White	38359	595.16	64.74	340	920	0.925	17.70
	Female	28848	575.13	68.19	340	920	0.925	18.65
	Male	30308	576.22	77.17	340	845	0.935	19.69
	Free Lunch Elig.	13388	530.51	71.63	340	832	0.896	23.05
	Reduced Lunch Elig.	3207	557.91	66.69	340	737	0.910	20.01
	Not FRL Elig.	42514	591.31	67.32	340	920	0.928	18.06
	Not Mig. or Immig.	58197	576.77	72.35	340	920	0.930	19.12
	Mig. or Immig.	932	510.20	77.76	340	811	0.902	24.37
	No Disability	54087	583.45	67.19	340	920	0.927	18.19
	Disability	5053	492.85	80.15	340	748	0.893	26.21
	Lang. Prof. NA	53448	581.17	70.69	340	920	0.929	18.81
	Lang. Prof. NEP	1106	470.59	68.86	340	689	0.821	29.10
	Lang. Prof. LEP	2245	508.48	65.23	340	811	0.856	24.78
Lang. Prof. FEP	2349	564.98	60.11	340	780	0.903	18.70	

**Table G-6. Subgroup Reliability for the 2006 CSAP Mathematics Tests, Grades 3-10
(concluded)**

Grade	Subgroup	N	Mean	STD	Min.	Max.	Alpha	SEM
10	Am. Indian/AK Nat.	572	560.84	70.57	370	727	0.903	21.97
	Asian/Pac. Isl.	1688	610.44	68.89	370	859	0.933	17.85
	Black	3174	537.65	74.90	370	734	0.894	24.42
	Hispanic	11625	542.04	72.30	370	759	0.893	23.70
	White	36982	603.36	65.96	370	825	0.920	18.62
	Female	26658	585.77	69.52	370	816	0.921	19.55
	Male	27383	586.39	77.36	370	859	0.929	20.58
	Free Lunch Elig.	10095	537.70	73.86	370	786	0.892	24.31
	Reduced Lunch Elig.	2675	567.12	68.39	370	745	0.900	21.59
	Not FRL Elig.	41235	599.20	68.43	370	859	0.923	18.94
	Not Mig. or Immig.	53260	587.20	72.91	370	859	0.925	19.97
	Mig. or Immig.	755	508.93	79.25	370	733	0.890	26.24
	No Disability	49794	593.93	67.58	370	859	0.922	18.92
	Disability	4229	493.85	78.56	370	744	0.876	27.70
	Lang. Prof. NA	49651	591.21	71.03	370	859	0.924	19.61
	Lang. Prof. NEP	883	471.88	72.22	370	716	0.832	29.64
	Lang. Prof. LEP	1576	509.13	67.51	370	724	0.843	26.72
	Lang. Prof. FEP	1924	569.44	63.05	370	763	0.901	19.87

Table G-7. Subgroup Reliability for the 2006 CSAP Reading Tests, Grades 3-10 - English

Grade	Subgroup	N	Mean	STD	Min.	Max.	Alpha	SEM	
3	Am. Indian/AK Nat.	634	534.43	77.54	150	738	0.907	23.69	
	Asian/Pac. Isl.	1969	568.55	68.66	150	795	0.891	22.68	
	Black	3189	520.92	83.59	150	795	0.902	26.23	
	Hispanic	14571	517.84	79.83	150	795	0.894	25.97	
	White	33875	572.33	68.14	150	795	0.888	22.75	
	Female	26655	561.09	72.88	150	795	0.899	23.14	
	Male	27582	547.32	79.87	150	795	0.907	24.41	
	Free Lunch Elig.	16387	515.04	81.29	150	795	0.895	26.34	
	Reduced Lunch Elig.	3898	540.69	72.83	150	795	0.892	23.92	
	Not FRL Elig.	33926	574.50	66.75	150	795	0.886	22.58	
	Not Mig. or Immig.	52622	555.84	75.77	150	795	0.902	23.69	
	Mig. or Immig.	1603	496.72	88.15	150	795	0.898	28.09	
	No Disability	48837	562.67	68.83	150	795	0.891	22.76	
	Disability	5388	476.34	98.63	150	795	0.903	30.75	
	Lang. Prof. NA	46933	562.59	72.15	150	795	0.896	23.25	
	Lang. Prof. NEP	882	428.98	94.64	150	695	0.841	37.74	
	Lang. Prof. LEP	4591	489.48	75.56	150	698	0.859	28.35	
	Lang. Prof. FEP	1831	558.38	53.46	150	795	0.837	21.55	
	4	Am. Indian/AK Nat.	703	573.03	65.05	180	698	0.933	16.82
		Asian/Pac. Isl.	1943	600.05	60.22	180	856	0.932	15.73
Black		3400	561.54	66.67	180	748	0.932	17.41	
Hispanic		15308	558.33	64.85	180	800	0.928	17.35	
White		34291	605.32	53.43	180	873	0.923	14.83	
Female		27205	595.76	58.31	180	873	0.933	15.12	
Male		28439	582.78	64.70	180	801	0.937	16.19	
Free Lunch Elig.		17132	556.10	66.88	180	742	0.929	17.83	
Reduced Lunch Elig.		3915	578.09	58.43	180	778	0.924	16.15	
Not FRL Elig.		34562	606.75	52.12	180	873	0.922	14.60	
Not Mig. or Immig.		54542	590.21	61.21	180	873	0.935	15.59	
Mig. or Immig.		1083	534.67	76.09	180	741	0.928	20.44	
No Disability		49864	597.04	53.16	180	873	0.924	14.62	
Disability		5764	520.74	86.28	180	763	0.934	22.10	
Lang. Prof. NA	47700	597.05	56.81	180	873	0.929	15.11		
Lang. Prof. NEP	895	474.01	91.86	180	658	0.877	32.23		
Lang. Prof. LEP	4817	532.11	61.24	180	693	0.898	19.60		
Lang. Prof. FEP	2229	588.98	41.34	336	742	0.885	14.05		
5	Am. Indian/AK Nat.	626	596.43	73.73	220	785	0.941	17.92	
	Asian/Pac. Isl.	1933	628.48	65.62	220	852	0.932	17.07	
	Black	3401	586.49	72.52	220	766	0.938	18.08	
	Hispanic	15367	576.41	75.14	220	839	0.937	18.82	
	White	34658	630.25	60.33	220	906	0.929	16.12	
	Female	27263	619.74	66.57	220	906	0.937	16.66	
	Male	28722	605.40	72.88	220	881	0.943	17.38	
	Free Lunch Elig.	16842	573.08	75.70	220	789	0.937	19.07	
	Reduced Lunch Elig.	3965	600.01	62.70	220	848	0.929	16.67	
	Not FRL Elig.	35143	632.62	59.19	220	906	0.926	16.10	

Table G-7. Subgroup Reliability for the 2006 CSAP Reading Tests, Grades 3-10 – English (continued)

Grade	Subgroup	N	Mean	STD	Min.	Max.	Alpha	SEM
5 (cont.)	Not Mig. or Immig.	54811	613.96	68.81	220	906	0.940	16.90
	Mig. or Immig.	1159	537.78	93.93	220	778	0.939	23.17
	No Disability	49999	621.61	61.53	220	906	0.929	16.39
	Disability	5974	535.13	88.84	220	775	0.938	22.04
	Lang. Prof. NA	48389	621.30	63.86	220	906	0.934	16.45
	Lang. Prof. NEP	935	460.79	104.80	220	679	0.888	35.07
	Lang. Prof. LEP	4234	543.90	64.48	220	753	0.906	19.77
	Lang. Prof. FEP	2423	612.29	49.73	220	781	0.897	15.92
6	Am. Indian/AK Nat.	711	602.11	69.00	260	802	0.933	17.91
	Asian/Pac. Isl.	1774	637.09	62.31	260	946	0.931	16.42
	Black	3396	598.86	67.42	260	790	0.927	18.19
	Hispanic	15307	585.56	68.73	260	796	0.925	18.81
	White	35158	641.38	57.30	260	970	0.923	15.92
	Female	27529	629.92	61.91	260	970	0.931	16.23
	Male	28815	616.43	70.04	260	946	0.939	17.37
	Free Lunch Elig.	16589	582.66	69.47	260	838	0.924	19.09
	Reduced Lunch Elig.	4035	610.72	60.03	260	821	0.921	16.90
	Not FRL Elig.	35677	643.19	56.16	260	970	0.920	15.89
	Not Mig. or Immig.	55293	624.50	65.27	260	970	0.934	16.75
	Mig. or Immig.	1034	544.78	84.45	260	758	0.929	22.49
	No Disability	50652	631.64	58.68	260	970	0.925	16.09
	Disability	5678	546.17	81.45	260	761	0.923	22.56
	Lang. Prof. NA	49443	631.05	61.19	260	970	0.928	16.36
	Lang. Prof. NEP	809	472.78	84.54	260	713	0.842	33.57
Lang. Prof. LEP	3446	550.69	61.23	260	708	0.877	21.44	
Lang. Prof. FEP	2637	613.23	47.20	260	847	0.889	15.73	
7	Am. Indian/AK Nat.	720	609.69	75.21	300	801	0.933	19.50
	Asian/Pac. Isl.	1682	647.26	61.58	300	886	0.925	16.82
	Black	3488	608.21	67.17	300	815	0.922	18.78
	Hispanic	15283	598.04	70.33	300	796	0.922	19.61
	White	36135	653.48	57.58	300	905	0.920	16.24
	Female	27929	643.82	62.92	300	905	0.930	16.66
	Male	29379	627.02	69.86	300	842	0.934	17.90
	Free Lunch Elig.	16204	595.07	70.88	300	798	0.920	20.01
	Reduced Lunch Elig.	3854	620.68	60.67	300	844	0.916	17.54
	Not FRL Elig.	37227	654.20	57.22	300	905	0.920	16.18
	Not Mig. or Immig.	56200	637.00	65.27	300	905	0.931	17.09
	Mig. or Immig.	1093	543.57	91.30	300	757	0.913	26.94
	No Disability	51955	643.50	59.64	300	905	0.923	16.56
	Disability	5343	554.54	80.73	300	817	0.915	23.50
	Lang. Prof. NA	50831	642.64	61.85	300	905	0.927	16.71
	Lang. Prof. NEP	962	482.34	88.57	300	693	0.816	37.94
Lang. Prof. LEP	2820	563.90	58.60	300	731	0.861	21.83	
Lang. Prof. FEP	2691	624.12	48.64	300	886	0.890	16.13	

Table G-7. Subgroup Reliability for the 2006 CSAP Reading Tests, Grades 3-10 – English (continued)

Grade	Subgroup	N	Mean	STD	Min.	Max.	Alpha	SEM	
8	Am. Indian/AK Nat.	743	631.15	67.25	330	790	0.929	17.92	
	Asian/Pac. Isl.	1752	659.08	59.89	330	877	0.931	15.74	
	Black	3492	621.80	65.02	330	770	0.923	17.99	
	Hispanic	14726	612.08	68.87	330	802	0.922	19.27	
	White	37340	666.80	55.97	330	870	0.925	15.38	
	Female	28482	658.30	60.89	330	870	0.933	15.74	
	Male	29569	641.08	67.87	330	877	0.936	17.11	
	Free Lunch Elig.	15168	608.42	68.95	330	805	0.919	19.57	
	Reduced Lunch Elig.	3737	635.80	60.86	330	786	0.921	17.12	
	Not FRL Elig.	39113	666.82	55.80	330	877	0.924	15.34	
	Not Mig. or Immig.	57050	650.97	63.89	330	877	0.934	16.37	
	Mig. or Immig.	986	566.79	79.17	330	758	0.904	24.49	
	No Disability	52874	657.36	57.69	330	877	0.928	15.53	
	Disability	5169	569.48	80.80	330	772	0.913	23.89	
	Lang. Prof. NA	52084	656.09	60.54	330	877	0.931	15.92	
	Lang. Prof. NEP	981	512.66	81.51	330	676	0.769	39.20	
	Lang. Prof. LEP	2447	577.34	60.85	330	732	0.853	23.32	
	Lang. Prof. FEP	2532	637.27	48.00	330	782	0.895	15.56	
	9	Am. Indian/AK Nat.	702	637.34	61.19	350	764	0.928	16.37
		Asian/Pac. Isl.	1765	666.37	60.22	350	810	0.938	15.02
Black		3500	632.79	65.27	350	816	0.931	17.11	
Hispanic		14631	621.55	66.61	350	808	0.929	17.76	
White		38239	673.98	53.10	350	995	0.926	14.45	
Female		28687	667.55	56.29	350	995	0.935	14.36	
Male		30150	648.58	66.25	350	901	0.941	16.12	
Free Lunch Elig.		13218	618.89	67.22	350	833	0.927	18.12	
Reduced Lunch Elig.		3186	642.84	59.46	350	800	0.928	15.97	
Not FRL Elig.		42388	671.12	55.16	350	995	0.930	14.58	
Not Mig. or Immig.		57891	659.17	61.01	350	995	0.938	15.24	
Mig. or Immig.		923	574.84	82.89	350	774	0.923	22.98	
No Disability		53799	664.60	56.41	350	995	0.932	14.71	
Disability		5020	585.36	75.17	350	827	0.920	21.32	
Lang. Prof. NA		53169	663.79	58.04	350	995	0.934	14.93	
Lang. Prof. NEP		1070	525.56	76.50	350	698	0.796	34.55	
Lang. Prof. LEP		2237	590.32	56.60	350	776	0.863	20.97	
Lang. Prof. FEP		2353	647.57	45.34	350	781	0.902	14.18	

Table G-7. Subgroup Reliability for the 2006 CSAP Reading Tests, Grades 3-10 – English (concluded)

Grade	Subgroup	N	Mean	STD	Min.	Max.	Alpha	SEM
10	Am. Indian/AK Nat.	566	666.68	60.00	370	783	0.909	18.06
	Asian/Pac. Isl.	1678	691.84	61.40	370	958	0.923	17.05
	Black	3141	654.72	65.82	370	842	0.917	19.01
	Hispanic	11524	647.33	66.64	370	828	0.916	19.33
	White	36852	696.98	55.06	370	948	0.910	16.49
	Female	26537	693.08	56.75	370	958	0.915	16.50
	Male	27226	673.94	66.14	370	948	0.929	17.65
	Free Lunch Elig.	10000	643.87	66.96	370	874	0.915	19.57
	Reduced Lunch Elig.	2670	667.48	58.37	370	842	0.911	17.44
	Not FRL Elig.	41057	694.07	57.22	370	958	0.915	16.70
	Not Mig. or Immig.	52996	684.57	61.40	370	958	0.922	17.13
	Mig. or Immig.	742	599.94	76.59	370	803	0.901	24.14
	No Disability	49560	689.94	56.75	370	958	0.914	16.65
	Disability	4186	605.86	73.40	370	798	0.903	22.80
	Lang. Prof. NA	49411	688.45	58.88	370	948	0.918	16.90
	Lang. Prof. NEP	867	557.94	73.34	370	765	0.801	32.75
	Lang. Prof. LEP	1564	612.00	54.12	370	771	0.846	21.26
	Lang. Prof. FEP	1915	667.97	54.03	370	958	0.893	17.64

Table G-8. Subgroup Reliability for the 2006 CSAP Writing Tests, Grades 3-10 - English

Grade	Subgroup	N	Mean	STD	Min.	Max.	Alpha	SEM
3	Am. Indian/AK Nat.	627	450.44	48.26	266	599	0.907	14.69
	Asian/Pac. Isl.	1981	477.63	54.81	150	654	0.906	16.77
	Black	3206	443.91	54.05	150	654	0.919	15.39
	Hispanic	14689	442.34	52.14	150	680	0.912	15.48
	White	33942	480.83	49.48	150	680	0.888	16.55
	Female	26747	475.53	53.78	150	680	0.907	16.37
	Male	27698	460.35	52.66	150	680	0.913	15.49
	Free Lunch Elig.	16458	440.05	51.56	150	680	0.910	15.47
	Reduced Lunch Elig.	3889	459.41	48.50	150	680	0.900	15.36
	Not FRL Elig.	34069	482.18	49.75	150	680	0.890	16.52
	Not Mig. or Immig.	52818	469.07	53.03	150	680	0.910	15.95
	Mig. or Immig.	1616	426.77	60.44	150	654	0.924	16.63
	No Disability	48997	472.79	51.60	150	680	0.903	16.11
	Disability	5439	422.92	51.82	150	654	0.906	15.84
	Lang. Prof. NA	47039	473.63	51.30	150	680	0.902	16.07
	Lang. Prof. NEP	918	378.80	68.94	150	544	0.908	20.93
	Lang. Prof. LEP	4671	425.66	43.37	150	611	0.888	14.51
	Lang. Prof. FEP	1814	470.37	41.60	323	654	0.839	16.72
4	Am. Indian/AK Nat.	703	471.34	49.72	190	609	0.913	14.64
	Asian/Pac. Isl.	1945	497.44	54.24	190	730	0.916	15.71
	Black	3394	463.48	49.46	190	730	0.911	14.74
	Hispanic	15310	457.42	49.60	190	730	0.908	15.03
	White	34296	497.78	47.34	190	730	0.899	15.06
	Female	27200	493.38	52.25	190	730	0.914	15.28
	Male	28447	475.50	49.88	190	730	0.916	14.45
	Free Lunch Elig.	17126	455.80	48.52	190	687	0.906	14.89
	Reduced Lunch Elig.	3914	474.04	45.86	190	690	0.900	14.47
	Not FRL Elig.	34572	499.50	47.67	190	730	0.899	15.13
	Not Mig. or Immig.	54543	485.16	51.37	190	730	0.916	14.92
	Mig. or Immig.	1085	438.26	54.07	190	616	0.911	16.15
	No Disability	49866	489.76	49.26	190	730	0.908	14.97
	Disability	5765	436.52	48.97	190	648	0.898	15.63
	Lang. Prof. NA	47702	490.99	48.92	190	730	0.907	14.89
	Lang. Prof. NEP	898	392.46	57.30	190	597	0.856	21.77
	Lang. Prof. LEP	4814	435.06	39.66	190	600	0.862	14.75
	Lang. Prof. FEP	2230	482.97	39.27	354	690	0.853	15.06
5	Am. Indian/AK Nat.	623	495.46	56.79	282	686	0.909	17.13
	Asian/Pac. Isl.	1931	527.21	61.70	220	731	0.913	18.24
	Black	3407	489.02	56.32	220	733	0.911	16.79
	Hispanic	15380	478.35	58.07	220	738	0.911	17.29
	White	34616	526.49	54.88	220	780	0.899	17.43
	Female	27244	521.24	60.64	220	780	0.914	17.75
	Male	28713	500.62	58.17	220	780	0.918	16.67
	Free Lunch Elig.	16850	475.56	56.19	220	780	0.907	17.13
	Reduced Lunch Elig.	3969	498.02	51.04	220	705	0.898	16.26
	Not FRL Elig.	35104	528.94	55.08	220	780	0.899	17.55

Table G-8. Subgroup Reliability for the 2006 CSAP Writing Tests, Grades 3-10 – English (continued)

Grade	Subgroup	N	Mean	STD	Min.	Max.	Alpha	SEM
5 (cont.)	Not Mig. or Immig.	54784	511.99	59.39	220	780	0.916	17.25
	Mig. or Immig.	1158	447.70	67.68	220	625	0.919	19.25
	No Disability	49968	517.40	57.58	220	780	0.909	17.37
	Disability	5977	454.31	52.24	220	780	0.893	17.10
	Lang. Prof. NA	48349	518.39	56.40	220	780	0.907	17.22
	Lang. Prof. NEP	944	391.12	67.30	220	564	0.849	26.19
	Lang. Prof. LEP	4235	450.38	43.96	220	641	0.861	16.36
	Lang. Prof. FEP	2425	508.33	46.49	273	722	0.868	16.88
6	Am. Indian/AK Nat.	711	501.28	63.20	230	792	0.906	19.36
	Asian/Pac. Isl.	1771	544.66	65.26	230	825	0.908	19.74
	Black	3405	499.58	60.46	230	696	0.906	18.56
	Hispanic	15308	491.95	60.97	230	825	0.902	19.07
	White	35145	541.02	59.82	230	840	0.903	18.66
	Female	27531	538.35	62.81	230	840	0.908	19.03
	Male	28807	511.85	63.46	230	825	0.916	18.44
	Free Lunch Elig.	16593	488.65	60.86	230	819	0.901	19.18
	Reduced Lunch Elig.	4037	511.82	56.46	230	816	0.897	18.15
	Not FRL Elig.	35665	543.11	59.37	230	840	0.900	18.75
	Not Mig. or Immig.	55289	526.00	63.75	230	840	0.913	18.76
	Mig. or Immig.	1032	460.79	72.41	230	656	0.912	21.45
	No Disability	50629	532.52	60.55	230	840	0.903	18.81
	Disability	5695	456.23	57.83	230	717	0.883	19.75
	Lang. Prof. NA	49432	531.44	61.53	230	840	0.909	18.61
	Lang. Prof. NEP	813	393.86	74.14	230	606	0.855	28.27
Lang. Prof. LEP	3450	464.82	48.28	230	663	0.847	18.86	
Lang. Prof. FEP	2634	519.36	48.60	324	825	0.860	18.20	
7	Am. Indian/AK Nat.	721	523.83	66.50	240	709	0.897	21.36
	Asian/Pac. Isl.	1680	567.21	71.88	240	890	0.905	22.14
	Black	3488	518.83	64.23	240	747	0.892	21.10
	Hispanic	15303	507.81	67.85	240	836	0.896	21.90
	White	36146	566.34	65.91	240	890	0.896	21.22
	Female	27944	561.18	69.60	240	890	0.907	21.21
	Male	29394	534.15	71.14	240	890	0.910	21.34
	Free Lunch Elig.	16223	505.02	66.47	240	890	0.891	21.92
	Reduced Lunch Elig.	3853	530.67	62.07	240	824	0.886	20.91
	Not FRL Elig.	37239	567.49	66.09	240	890	0.897	21.24
	Not Mig. or Immig.	56219	549.11	70.32	240	890	0.908	21.28
	Mig. or Immig.	1104	457.22	81.56	240	677	0.891	26.89
	No Disability	51977	555.42	67.58	240	890	0.901	21.28
	Disability	5351	468.74	62.23	240	764	0.861	23.22
	Lang. Prof. NA	50844	554.89	67.96	240	890	0.903	21.18
	Lang. Prof. NEP	975	401.30	72.34	240	664	0.801	32.24
Lang. Prof. LEP	2823	473.49	51.02	240	642	0.820	21.67	
Lang. Prof. FEP	2692	534.94	53.63	256	809	0.857	20.26	

**Table G-8. Subgroup Reliability for the 2006 CSAP Writing Tests, Grades 3-10 – English
(continued)**

Grade	Subgroup	N	Mean	STD	Min.	Max.	Alpha	SEM
8	Am. Indian/AK Nat.	746	533.04	68.13	280	765	0.900	21.53
	Asian/Pac. Isl.	1753	579.01	75.36	250	910	0.909	22.71
	Black	3493	527.40	70.43	250	910	0.901	22.19
	Hispanic	14744	516.57	70.82	250	885	0.897	22.72
	White	37363	573.83	68.57	250	910	0.902	21.44
	Female	28508	574.24	71.32	250	910	0.909	21.57
	Male	29589	538.71	72.61	250	910	0.909	21.89
	Free Lunch Elig.	15187	511.30	69.97	250	910	0.894	22.82
	Reduced Lunch Elig.	3733	540.71	66.94	250	885	0.895	21.73
	Not FRL Elig.	39144	575.07	68.27	250	910	0.901	21.44
	Not Mig. or Immig.	57088	557.71	73.01	250	910	0.911	21.74
	Mig. or Immig.	994	467.17	82.73	250	786	0.886	27.94
	No Disability	52921	564.49	69.71	250	910	0.903	21.69
	Disability	5168	470.72	63.28	250	764	0.856	24.02
	Lang. Prof. NA	52114	562.85	70.84	250	910	0.908	21.54
	Lang. Prof. NEP	995	410.83	73.73	250	605	0.783	34.36
Lang. Prof. LEP	2446	482.07	53.10	250	703	0.821	22.48	
Lang. Prof. FEP	2535	546.84	57.68	365	780	0.866	21.13	
9	Am. Indian/AK Nat.	699	532.78	72.24	264	783	0.905	22.27
	Asian/Pac. Isl.	1763	581.81	80.34	305	897	0.924	22.09
	Black	3493	529.90	73.76	260	805	0.910	22.10
	Hispanic	14613	518.20	75.08	260	930	0.907	22.88
	White	38226	585.62	72.79	260	930	0.916	21.04
	Female	28679	580.63	76.33	260	930	0.922	21.29
	Male	30115	549.75	79.76	260	930	0.927	21.50
	Free Lunch Elig.	13200	514.43	73.95	260	813	0.904	22.92
	Reduced Lunch Elig.	3181	544.10	70.88	260	897	0.909	21.43
	Not FRL Elig.	42366	582.11	74.72	260	930	0.920	21.16
	Not Mig. or Immig.	57851	566.43	78.38	260	930	0.925	21.44
	Mig. or Immig.	921	464.39	91.27	260	726	0.907	27.84
	No Disability	53769	572.91	75.65	260	930	0.920	21.35
	Disability	5008	477.97	68.63	260	724	0.878	23.99
	Lang. Prof. NA	53148	572.22	75.88	260	930	0.922	21.20
	Lang. Prof. NEP	1058	404.89	71.88	260	613	0.773	34.28
Lang. Prof. LEP	2234	482.42	55.72	260	717	0.818	23.78	
Lang. Prof. FEP	2346	547.74	59.72	260	820	0.880	20.72	

Table G-8. Subgroup Reliability for the 2006 CSAP Writing Tests, Grades 3-10 – English (concluded)

Grade	Subgroup	N	Mean	STD	Min.	Max.	Alpha	SEM
10	Am. Indian/AK Nat.	567	550.83	72.63	270	736	0.900	23.01
	Asian/Pac. Isl.	1682	595.56	84.39	270	898	0.912	25.02
	Black	3141	541.66	76.15	270	855	0.907	23.27
	Hispanic	11513	530.46	78.19	270	812	0.908	23.72
	White	36854	596.04	76.84	270	950	0.907	23.39
	Female	26557	596.80	79.05	270	950	0.911	23.59
	Male	27202	560.28	81.44	270	950	0.919	23.11
	Free Lunch Elig.	9989	525.26	76.84	270	858	0.905	23.65
	Reduced Lunch Elig.	2661	555.53	70.53	295	830	0.899	22.43
	Not FRL Elig.	41071	592.75	78.60	270	950	0.911	23.44
	Not Mig. or Immig.	52987	579.87	81.23	270	950	0.917	23.46
	Mig. or Immig.	747	470.05	87.16	270	793	0.910	26.08
	No Disability	49567	586.43	78.33	270	950	0.909	23.58
	Disability	4175	482.17	66.12	270	775	0.878	23.11
	Lang. Prof. NA	49398	584.83	79.01	270	950	0.913	23.36
	Lang. Prof. NEP	867	419.73	71.58	270	667	0.831	29.45
	Lang. Prof. LEP	1566	487.70	56.64	270	766	0.843	22.48
	Lang. Prof. FEP	1922	556.62	67.50	302	882	0.876	23.78

Table G-9. Subgroup Reliability for the 2006 CSAP Science Test, Grades 5, 8, and 10

Grade	Subgroup	N	Mean	STD	Min.	Max.	Alpha	SEM	
5	Am. Indian/AK Nat.	610	537.71	53.67	321	685	0.914	15.73	
	Asian/Pac. Isl.	1933	555.95	55.61	300	712	0.917	16.07	
	Black	3405	518.23	54.95	300	757	0.914	16.14	
	Hispanic	15420	512.92	54.63	300	695	0.912	16.24	
	White	34624	566.90	48.24	300	790	0.892	15.87	
	Female	27252	546.38	55.33	300	790	0.918	15.84	
	Male	28741	550.27	57.64	300	790	0.924	15.90	
	Free Lunch Elig.	16876	512.54	54.64	300	752	0.912	16.19	
	Reduced Lunch Elig.	3970	535.79	48.88	305	726	0.899	15.51	
	Not FRL Elig.	35135	567.03	49.10	300	790	0.895	15.88	
	Not Mig. or Immig.	54807	549.71	55.71	300	790	0.919	15.85	
	Mig. or Immig.	1181	486.77	61.42	300	706	0.917	17.65	
	No Disability	50005	553.64	53.73	300	790	0.912	15.90	
	Disability	5987	504.45	60.45	300	747	0.926	16.47	
	Lang. Prof. NA	48373	556.66	51.91	300	790	0.908	15.75	
	Lang. Prof. NEP	999	442.19	60.22	300	617	0.892	19.77	
	Lang. Prof. LEP	4235	485.57	46.96	300	655	0.877	16.44	
	Lang. Prof. FEP	2403	536.75	42.09	359	701	0.864	15.52	
	8	Am. Indian/AK Nat.	746	479.56	60.85	300	627	0.920	17.18
		Asian/Pac. Isl.	1749	511.30	57.67	300	673	0.923	15.97
Black		3440	463.70	61.13	300	628	0.912	18.08	
Hispanic		14733	462.08	59.73	300	681	0.910	17.96	
White		37325	518.57	51.95	300	705	0.913	15.33	
Female		28455	498.12	57.04	300	698	0.920	16.12	
Male		29537	502.28	64.00	300	705	0.934	16.42	
Free Lunch Elig.		15180	459.12	60.10	300	690	0.909	18.16	
Reduced Lunch Elig.		3728	486.96	55.62	300	684	0.911	16.64	
Not FRL Elig.		39048	517.52	52.90	300	705	0.916	15.38	
Not Mig. or Immig.		56970	501.52	59.91	300	705	0.927	16.20	
Mig. or Immig.		1003	428.53	63.25	300	581	0.890	20.94	
No Disability		52817	506.41	56.37	300	705	0.921	15.82	
Disability		5166	437.14	67.27	300	674	0.920	19.00	
Lang. Prof. NA		52003	506.32	57.48	300	705	0.923	15.90	
Lang. Prof. NEP		993	387.12	57.80	300	545	0.836	23.44	
Lang. Prof. LEP		2454	432.64	50.47	300	619	0.853	19.33	
Lang. Prof. FEP		2535	485.22	48.63	300	662	0.892	16.01	

**Table G-9. Subgroup Reliability for the 2006 CSAP Science Test, Grades 5, 8, and 10
(concluded)**

Grade	Subgroup	N	Mean	STD	Min.	Max.	Alpha	SEM
10	Am. Indian/AK Nat.	570	484.84	58.32	300	616	0.921	16.40
	Asian/Pac. Isl.	1687	510.13	60.72	300	698	0.931	15.91
	Black	3174	461.95	63.56	300	625	0.913	18.75
	Hispanic	11615	459.50	64.15	300	628	0.915	18.73
	White	37000	517.33	52.86	300	697	0.919	15.03
	Female	26643	497.85	57.94	300	685	0.924	15.98
	Male	27403	504.22	65.39	300	698	0.937	16.41
	Free Lunch Elig.	10098	457.60	65.11	300	636	0.916	18.89
	Reduced Lunch Elig.	2684	484.57	58.90	300	645	0.915	17.13
	Not FRL Elig.	41229	512.83	56.01	300	698	0.925	15.39
	Not Mig. or Immig.	53290	502.32	60.85	300	698	0.930	16.09
	Mig. or Immig.	740	413.20	72.86	300	617	0.910	21.88
	No Disability	49795	506.96	57.57	300	698	0.926	15.65
	Disability	4242	432.26	69.17	300	673	0.914	20.27
	Lang. Prof. NA	49647	506.63	58.03	300	698	0.927	15.71
	Lang. Prof. NEP	881	372.04	60.53	300	617	0.837	24.47
	Lang. Prof. LEP	1576	423.20	55.75	300	609	0.853	21.35
	Lang. Prof. FEP	1936	481.17	52.41	300	651	0.904	16.23

Table G-10. Subgroup Reliability for the 2006 CSAP Reading Tests, Grades 3 and 4 - Spanish

Grade	Subgroup	N	Mean	STD	Min.	Max.	Alpha	SEM
3	Asian/Pac. Isl.	1	554.00	.	554	554	.	.
	Black	1	535.00	.	535	535	.	.
	Hispanic	1706	522.86	45.83	300	668	0.862	17.05
	White	5	502.80	31.03	470	554	.	.
	Female	875	530.56	41.70	300	660	0.850	16.14
	Male	838	514.76	48.40	300	668	0.865	17.80
	Free Lunch Elig.	1484	522.73	45.90	300	668	0.862	17.05
	Reduced Lunch Elig.	105	525.97	43.16	369	624	0.851	16.65
	Not FRL Elig.	124	521.32	46.65	300	615	0.862	17.31
	Not Mig. or Immig.	1136	520.86	46.70	300	668	0.861	17.39
	Mig. or Immig.	577	526.71	43.68	300	655	0.860	16.32
	No Disability	1605	526.46	42.02	300	668	0.851	16.20
	Disability	108	468.86	62.59	300	576	0.820	26.56
	Lang. Prof. NA	111	522.73	48.48	300	640	0.878	16.95
	Lang. Prof. NEP	809	516.79	48.58	300	668	0.866	17.82
	Lang. Prof. LEP	786	528.68	41.38	300	660	0.848	16.15
	Lang. Prof. FEP	7	565.00	37.41	499	611	.	.
4	Hispanic	473	521.30	46.97	300	645	0.912	13.92
	White	1	498.00	.	498	498	.	.
	Female	239	524.33	47.95	300	645	0.918	13.69
	Male	235	518.12	45.76	300	601	0.904	14.16
	Free Lunch Elig.	389	520.41	47.71	300	627	0.910	14.31
	Reduced Lunch Elig.	28	531.64	40.13	456	645	0.913	11.85
	Not FRL Elig.	57	521.91	44.70	367	613	0.925	12.28
	Not Mig. or Immig.	291	518.53	46.19	300	645	0.908	14.04
	Mig. or Immig.	183	525.58	47.91	300	613	0.917	13.78
	No Disability	468	522.02	46.55	300	645	0.911	13.87
	Disability	6	461.33	40.58	395	503	.	.
	Lang. Prof. NA	14	514.71	48.73	395	578	.	.
	Lang. Prof. NEP	401	521.58	46.89	300	645	0.912	13.91
Lang. Prof. LEP	57	520.12	48.12	300	589	0.914	14.13	

Table G-11. Subgroup Reliability for the 2006 CSAP Writing Tests, Grades 3 and 4 - Spanish

Grade	Subgroup	N	Mean	STD	Min.	Max.	Alpha	SEM
3	Asian/Pac. Isl.	1	516.00	.	516	516	.	.
	Black	1	499.00	.	499	499	.	.
	Hispanic	1706	497.28	64.44	250	750	0.912	19.11
	White	5	477.80	66.03	409	578	.	.
	Female	869	509.63	61.28	300	750	0.903	19.07
	Male	844	484.49	65.08	250	750	0.913	19.18
	Free Lunch Elig.	1485	497.30	64.30	250	750	0.912	19.06
	Reduced Lunch Elig.	103	504.38	65.59	347	750	0.908	19.91
	Not FRL Elig.	125	490.60	64.47	250	655	0.914	18.87
	Not Mig. or Immig.	1139	497.15	65.60	250	750	0.915	19.10
	Mig. or Immig.	574	497.42	62.00	250	750	0.905	19.07
	No Disability	1601	502.55	60.37	250	750	0.901	18.96
	Disability	112	421.29	72.07	250	594	0.902	22.53
	Lang. Prof. NA	104	494.93	62.91	313	650	0.916	18.23
	Lang. Prof. NEP	811	486.70	67.72	250	750	0.917	19.49
	Lang. Prof. LEP	792	507.73	58.93	313	750	0.897	18.89
	Lang. Prof. FEP	6	576.50	53.89	484	644	.	.
4	Hispanic	474	499.43	50.19	300	611	0.875	17.77
	White	1	416.00	.	416	416	.	.
	Female	239	505.69	47.78	344	611	0.881	16.48
	Male	236	492.75	52.00	300	591	0.865	19.10
	Free Lunch Elig.	390	498.68	50.29	300	593	0.871	18.06
	Reduced Lunch Elig.	28	512.18	44.23	416	611	0.904	13.73
	Not FRL Elig.	57	496.84	52.93	316	606	0.886	17.87
	Not Mig. or Immig.	292	494.46	50.03	300	611	0.869	18.09
	Mig. or Immig.	183	506.92	49.87	300	606	0.880	17.31
	No Disability	469	500.02	49.32	300	611	0.874	17.50
	Disability	6	440.00	87.94	300	506	.	.
	Lang. Prof. NA	14	481.00	61.24	359	591	.	.
	Lang. Prof. NEP	402	499.69	49.92	300	611	0.873	17.76
Lang. Prof. LEP	57	501.09	50.30	300	590	0.866	18.45	

Table G-12. Cut Scores for the 2006 CSAP Tests

Language	Content	Grade	Unsatisfactory	Partially Proficient	Proficient	Advanced
English	Reading	3	150-465	466-525	526-655	656-795
English	Reading	4	180-516	517-571	572-670	671-940
English	Reading	5	220-537	538-587	588-690	691-955
English	Reading	6	260-542	543-599	600-695	696-970
English	Reading	7	300-566	567-619	620-715	716-980
English	Reading	8	330-577	578-631	632-723	724-990
English	Reading	9	350-584	585-641	642-738	739-995
English	Reading	10	370-606	607-662	663-746	747-999
Spanish	Reading	3	300-481	482-512	513-575	576-740
Spanish	Reading	4	300-505	506-536	537-591	592-790
English	Writing	3	150-392	393-464	465-532	533-680
English	Writing	4	190-413	414-484	485-553	554-730
English	Writing	5	220-417	418-497	498-575	576-780
English	Writing	6	230-422	423-512	513-599	600-840
English	Writing	7	240-429	430-538	539-628	629-890
English	Writing	8	250-433	434-555	556-650	651-910
English	Writing	9	260-435	436-562	563-671	672-930
English	Writing	10	270-458	459-577	578-689	690-950
Spanish	Writing	3	250-447	448-498	499-574	575-750
Spanish	Writing	4	300-495	496-531	532-595	596-790
English	Mathematics	3	150-334	335-418	419-509	510-700
English	Mathematics	4	180-382	383-454	455-537	538-780
English	Mathematics	5	220-421	422-493	494-561	562-800
English	Mathematics	6	240-453	454-519	520-588	589-830
English	Mathematics	7	280-486	487-558	559-613	614-860
English	Mathematics	8	310-520	521-576	577-627	628-890
English	Mathematics	9	340-547	548-601	602-651	652-920
English	Mathematics	10	370-561	562-626	627-691	692-950
English	Science	5	300-506	507-568	569-613	614-790
English	Science	8	300-455	456-505	506-581	582-790
English	Science	10	300-471	472-512	513-590	591-790