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Table B-1a: Mean Comparison : Basic Standards Test Score (Overall)

Variables	race	1996	1997	t-value**	1998	t-value***	1999	t-value****	% change (1996-1999)
age	All races	13.5843	13.5896	-1.495	13.5770 *	3.671	13.5610 *	5.261	-0.17%
	American Indian	13.6247	13.6583	-0.992	13.6354	0.720	13.5795 *	2.234	-0.33%
	Asian	13.5946	13.6393	-1.936	13.6091	1.589	13.5667 *	-2.517	-0.21%
	Hispanic	13.6734	13.7119	-1.125	13.6484 *	2.092	13.6143	1.340	-0.43%
	African American	13.5857	13.5984	-0.617	13.6037	-0.291	13.5603 *	2.665	-0.19%
	Caucasian	13.5819	13.5829	-0.265	13.5712 *	3.278	13.5590 *	3.823	-0.17%
female	All races	0.4926	0.4894	0.986	0.4905	-0.036	0.4879	0.921	-0.94%
	American Indian	0.5150	0.5134	0.059	0.4957	0.688	0.4713	1.193	-8.49%
	Asian	0.5131	0.5143	-0.067	0.5075	0.466	0.4983	0.696	-2.89%
	Hispanic	0.5173	0.4837	1.283	0.5231	-1.726	0.4935	1.526	-4.61%
	African American	0.5034	0.4977	0.337	0.5158	-1.257	0.4936	1.704	-1.95%
	Caucasian	0.4909	0.4873	1.043	0.4875	-0.067	0.4873	0.078	-0.73%
attendance rate	All races	94.8959	94.7502 *	3.714	94.0804 *	13.952	93.9187 *	3.106	-1.03%
	American Indian	89.3747	89.4689	-0.153	87.4516 *	3.095	88.6631 *	-2.035	-0.80%
	Asian	95.0873	95.0486	0.155	94.7227	1.379	94.7723	-0.214	-0.33%
	Hispanic	91.2017	91.7580	-1.169	90.9176 *	1.984	91.1078	-0.484	-0.10%
	African American	89.8454	89.3677	1.393	89.6583	-0.911	90.3684 *	-2.363	0.58%
	Caucasian	95.2014	95.1820	0.534	94.4786 *	14.856	94.2549 *	4.177	-0.99%
English not spoken at home	All races	0.0227	0.0468 *	-19.948	0.0478	-0.749	0.0509 *	-2.533	123.96%
	American Indian	0.0069	0.0179	-1.745	0.0077	1.659	0.0083	-0.181	20.32%
	Asian	0.5288	0.6875 *	-9.283	0.6947	-0.537	0.7043	-0.786	33.18%
	Hispanic	0.3960	0.4250	-1.127	0.5020 *	-3.381	0.5123	-0.533	29.38%
	African American	0.0324	0.0446	-1.904	0.0680 *	-3.572	0.0869 *	-2.730	168.21%
	Caucasian	0.0031	0.0051 *	-4.424	0.0045	1.296	0.0051	-1.555	64.92%
disability	All races	0.0921	0.1037 *	-5.968	0.1170 *	-6.842	0.1165	0.282	26.47%
	American Indian	0.1109	0.1521 *	-2.218	0.2249	-3.737	0.2281	-0.190	105.81%
	Asian	0.0666	0.0581	0.991	0.0663	-1.180	0.0677	-0.213	1.77%
	Hispanic	0.0737	0.1173 *	-2.853	0.1457	-1.856	0.1628	-1.222	120.90%
	African American	0.1154	0.1899	-6.288	0.2044	-1.269	0.2169	-1.173	87.95%
	Caucasian	0.0920	0.1002 *	-4.019	0.1123 *	-5.909	0.1098	1.325	19.35%
limited English proficiency	All races	0.0089	0.0207 *	-14.699	0.0283 *	-8.065	0.0308 *	-2.620	245.60%
	American Indian	0.0012	0.0018	-0.298	0.0026	-0.331	0.0008	1.018	-27.89%
	Asian	0.1855	0.2987 *	-7.700	0.4041 *	-7.662	0.4309 *	-2.055	132.29%
	Hispanic	0.2139	0.2164	-0.119	0.3281 *	-5.626	0.3155	0.696	47.51%

	African American	0.0216	0.0283	-1.294	0.0544 *	-4.634	0.0676 *	-2.127	212.96%
	Caucasian	0.0007	0.0015 *	-3.222	0.0017	-0.653	0.0020	-1.217	168.35%
gifted/talented	All races	0.0847	0.1337 *	-23.960	0.1294 *	2.054	0.1166 *	6.987	37.57%
	American Indian	0.0162	0.0769 *	-5.035	0.0400 *	2.916	0.0341	0.760	111.25%
	Asian	0.0987	0.2643 *	-12.993	0.3142 *	-3.800	0.1455 *	15.427	47.33%
	Hispanic	0.0318	0.1030 *	-5.541	0.1269	-1.657	0.0434 *	7.718	36.56%
	African American	0.0283	0.1286 *	-11.929	0.1368	-0.833	0.0642 *	9.206	126.86%
	Caucasian	0.0881	0.1284 *	-18.664	0.1216 *	3.078	0.1216	0.008	37.98%
% Indian in school	All races	1.6530	1.2964 *	10.907	1.8334 *	-16.448	1.8324	0.030	10.85%
	American Indian	21.2709	16.1663 *	3.296	23.0617 *	-4.705	24.2850	-0.958	14.17%
	Asian	1.5166	1.4811	0.439	1.5068	-0.458	1.6651 *	-2.680	9.79%
	Hispanic	1.3656	1.3118	0.296	1.5454	-1.873	1.4682	0.689	7.51%
	African American	2.5840	2.7467	-0.928	3.2220 *	-2.928	2.7960 *	2.871	8.20%
	Caucasian	1.2757	0.9820 *	15.432	1.3384 *	-18.312	1.3210	0.806	3.55%
% Asian in school	All races	2.5788	4.7126 *	-51.967	4.4575 *	5.302	4.4367	0.485	72.05%
	American Indian	2.3557	5.3839 *	-7.527	3.7019 *	3.907	4.0318	-0.996	71.15%
	Asian	9.6244	16.9620 *	-16.528	18.2940 *	-2.977	17.1645 *	2.733	78.34%
	Hispanic	4.6379	8.4979 *	-8.013	9.4162	-1.755	8.3806 *	2.277	80.70%
	African American	9.5494	13.3773 *	-11.970	14.1545 *	-2.349	13.3101 *	2.725	39.38%
	Caucasian	2.1381	3.4673 *	-41.981	3.1824 *	7.847	3.1973	-0.474	49.54%
% Hispanic in school	All races	1.3278	1.7788 *	-25.727	1.9904 *	-10.767	2.1085 *	-6.281	58.80%
	American Indian	1.0903	1.7999 *	-4.734	1.6946	0.597	1.6894	0.032	54.95%
	Asian	2.4191	3.2076 *	-6.521	4.2143 *	-8.567	3.9828	1.929	64.64%
	Hispanic	4.8273	7.0648 *	-4.387	7.3316	-0.495	7.8863	-1.444	63.37%
	African American	2.3187	3.3796 *	-9.285	3.9985 *	-4.970	4.2160	-1.745	81.83%
	Caucasian	1.2199	1.5018 *	-19.656	1.6623 *	-10.333	1.7620 *	-6.354	44.44%
% Black in school	All races	2.8427	4.9956 *	-33.515	4.2510 *	11.064	4.8959 *	-10.738	72.23%
	American Indian	4.3969	10.5838 *	-8.013	7.5112 *	3.763	7.4707	0.066	69.91%
	Asian	10.5873	14.1805 *	-7.039	13.4111	1.861	14.6877 *	-3.354	38.73%
	Hispanic	4.9612	9.4912 *	-7.069	8.5126	1.608	9.7895 *	-2.449	97.32%
	African American	25.7596	29.7906 *	-5.609	28.8971	1.360	31.0223 *	-3.469	20.43%
	Caucasian	1.8542	2.9043 *	-23.979	2.4094 *	11.122	2.7467 *	-8.796	48.14%
number of schools attended	All races	1.0680	1.0638 *	2.160	1.0949 *	-16.214	1.1330 *	-17.978	6.09%
	American Indian	1.1778	1.1610	0.678	1.2468 *	-3.414	1.3455 *	-3.778	14.24%
	Asian	1.0688	1.0861	-1.611	1.1467 *	-5.688	1.2056 *	-4.841	12.80%
	Hispanic	1.1662	1.1226	1.894	1.2312 *	-5.264	1.2815 *	-2.295	9.89%
	African American	1.2254	1.2725 *	-2.587	1.3620 *	-5.431	1.4921 *	-7.565	21.76%
	Caucasian	1.0596	1.0481 *	6.375	1.0729 *	-13.987	1.1009 *	-14.279	3.90%

free/reduced priced lunch	All races	22.4782	24.0456 *	-14.430	17.3879 *	59.987	23.0990 *	-56.389	2.76%
	American Indian	38.2211	41.7808 *	-2.572	28.4925 *	9.366	44.7058 *	-14.545	16.97%
	Asian	30.7612	42.0338 *	-12.348	18.1778 *	30.550	39.5166 *	-29.901	28.46%
	Hispanic	27.8516	34.5225 *	-6.215	19.4554 *	14.663	33.4395 *	-15.541	20.06%
	African American	45.8864	51.9807 *	-6.847	37.2093 *	17.733	50.2193 *	-16.386	9.44%
	Caucasian	21.1585	21.0070	1.639	16.0913 *	51.987	20.0202 *	-44.760	-5.38%
school math top quintile	All races	0.1933	0.1784 *	5.877	0.2758 *	-37.917	0.3130 *	-14.633	61.95%
	American Indian	0.0716	0.0608	0.792	0.0807	-1.536	0.0724	0.752	1.17%
	Asian	0.1473	0.1417	0.454	0.2040 *	-5.719	0.2246	-1.892	52.40%
	Hispanic	0.1416	0.1017 *	2.324	0.1602 *	-3.866	0.1867	-1.791	31.82%
	African American	0.0722	0.0799	-0.859	0.0886	-1.088	0.1243 *	-4.449	72.16%
	Caucasian	0.2013	0.1893 *	4.411	0.2951 *	-37.710	0.3363 *	-14.836	67.09%
school reading top quintile	All races	0.2161	0.2464 *	-11.010	0.2773 *	-11.273	0.3113 *	-13.371	44.04%
	American Indian	0.1085	0.0948	0.832	0.0945	0.019	0.0758	1.620	-30.19%
	Asian	0.1847	0.2013	-1.186	0.2326 *	-2.615	0.2307	0.169	24.90%
	Hispanic	0.1387	0.1447	-0.327	0.1769	-1.926	0.1816	-0.314	30.92%
	African American	0.0864	0.0956	-0.959	0.1217 *	-2.904	0.1212	0.059	40.28%
	Caucasian	0.2241	0.2616 *	-12.644	0.2931 *	-10.545	0.3343 *	-14.858	49.16%
school math bottom quintile	All races	0.1275	0.0502 *	42.927	0.0751 *	-16.687	0.0281 *	38.012	-77.97%
	American Indian	0.4503	0.1628 *	12.486	0.3298 *	-7.978	0.1790 *	8.476	-60.25%
	Asian	0.2984	0.1329 *	11.332	0.3715 *	-20.106	0.0616 *	30.389	-79.37%
	Hispanic	0.2197	0.1369 *	4.126	0.2276 *	-5.263	0.0832 *	10.256	-62.12%
	African American	0.6188	0.2006 *	27.353	0.4987 *	-22.921	0.1948 *	25.363	-68.52%
	Caucasian	0.1003	0.0337 *	40.105	0.0309 *	2.358	0.0124 *	21.104	-87.59%
school reading bottom quintile	All races	0.1448	0.0384 *	59.179	0.0714 *	-23.867	0.0385 *	25.819	-73.42%
	American Indian	0.4111	0.1628 *	10.846	0.3542 *	-9.060	0.1799 *	9.671	-56.25%
	Asian	0.3096	0.0128	0.102	0.3477 *	-35.638	0.1265 *	20.178	-59.13%
	Hispanic	0.2168	0.0535 *	9.249	0.2246 *	-11.897	0.1288 *	6.427	-40.58%
	African American	0.5283	0.0339 *	36.504	0.4589 *	-40.629	0.2462 *	17.247	-53.40%
	Caucasian	0.1224	0.0376 *	47.294	0.0295 *	6.620	0.0171 *	13.740	-86.03%

* mean difference is significant at 95% significance level

** mean difference between 1996 and 1997

*** mean difference between 1997 and 1998

**** mean difference between 1998 and 1999

Source : Minnesota Basic Standards Test Scores, Spring 1996, 1997, 1998, 1999

Table B-1b : Mean Comparison : Basic Standards Test Score, Mathematics High Achiever

Variables	race	1996	1997	1998	1999	% change (1996-1999)
age	All races	13.5410	13.5688	13.5495	13.5499	0.07%
	American Indian	13.5800	13.6923	13.5238	13.4677	-0.83%
	Asian	13.4326	13.5875	13.4510	13.5011	0.51%
	Hispanic	13.4565	13.6047	13.5663	13.5000	0.32%
	African American	13.3704	13.4828	13.3977	13.3796	0.07%
	Caucasian	13.5443	13.5681	13.5538	13.5534	0.07%
female	All races	0.4223	0.4084	0.4468	0.4527	7.21%
	American Indian	0.3800	0.3077	0.4048	0.4355	14.60%
	Asian	0.5256	0.4291	0.4902	0.4831	-8.09%
	Hispanic	0.3478	0.4884	0.3735	0.4048	16.37%
	African American	0.3519	0.3276	0.4545	0.4074	15.79%
	Caucasian	0.4211	0.4084	0.4461	0.4524	7.45%
attendance rate	All races	96.1617	96.3691	95.6186	95.7385	-0.44%
	American Indian	93.9563	93.9597	91.7549	93.9496	-0.01%
	Asian	96.7854	97.2589	96.5040	96.8444	0.06%
	Hispanic	96.4590	95.0000	96.0614	95.3915	-1.11%
	African American	96.0891	96.1515	94.7398	94.5111	-1.64%
	Caucasian	96.1586	96.3630	95.6320	95.7227	-0.45%
English not spoken at home	All races	0.0099	0.0165	0.0161	0.0185	87.54%
	American Indian	0.0000	0.0256	0.0000	0.0000	0.00%
	Asian	0.3302	0.3833	0.3922	0.4108	24.41%
	Hispanic	0.1304	0.1395	0.2289	0.2381	82.54%
	African American	0.0185	0.0172	0.0227	0.0185	0.00%
	Caucasian	0.0029	0.0046	0.0027	0.0046	60.00%
disability	All races	0.0422	0.0205	0.0174	0.0169	-60.06%
	American Indian	0.0000	0.0256	0.0238	0.0323	
	Asian	0.0651	0.0166	0.0123	0.0045	-93.07%
	Hispanic	0.0435	0.0000	0.0120	0.0000	-100.00%
	African American	0.0185	0.0345	0.0114	0.0000	-100.00%
	Caucasian	0.0421	0.0205	0.0176	0.0174	-58.58%
limited English proficiency	All races	0.0008	0.0029	0.0028	0.0035	334.57%
	American Indian	0.0000	0.0256	0.0000	0.0000	0.00%
	Asian	0.0186	0.0625	0.0588	0.0677	264.09%
	Hispanic	0.0435	0.0465	0.0361	0.0595	36.92%
	African American	0.0000	0.0000	0.0114	0.0000	#DIV/0!
	Caucasian	0.0003	0.0007	0.0007	0.0012	314.29%
gifted/talented	All races	0.2345	0.3233	0.2907	0.2930	24.96%
	American Indian	0.0800	0.2564	0.1667	0.2258	182.25%
	Asian	0.3209	0.4083	0.4632	0.4041	25.90%
	Hispanic	0.1956	0.4419	0.4578	0.2738	39.98%
	African American	0.3333	0.3448	0.4205	0.3333	0.00%
	Caucasian	0.2331	0.3202	0.2839	0.2895	24.20%
% Indian in school	All races	1.1257	0.9004	1.1432	1.1654	3.53%
	American Indian	12.8385	9.9238	8.9011	13.5879	5.84%
	Asian	0.9792	0.9424	1.0662	1.1147	13.83%
	Hispanic	1.1523	0.7254	1.0401	1.0976	-4.75%
	African American	1.4618	1.5501	1.5961	2.2201	51.88%
	Caucasian	1.0719	0.8505	1.0918	1.1033	2.93%
% Asian in school	All races	2.3066	3.6910	3.5309	3.6042	56.26%
	American Indian	1.9974	3.8047	2.3848	5.5785	179.29%
	Asian	5.1063	8.2559	9.9586	9.2385	80.93%

	Hispanic	3.0187	6.8650	7.2937	6.2035	105.50%
	African American	4.5286	9.7278	11.4356	11.6390	157.01%
	Caucasian	2.2372	3.4893	3.2520	3.3352	49.08%
% Hispanic in school	All races	1.2808	1.4578	1.6767	1.7901	39.76%
	American Indian	0.8131	1.1618	1.5861	1.8247	124.43%
	Asian	1.7271	1.7681	2.3094	2.6490	53.38%
	Hispanic	2.5392	7.5117	5.0643	3.6180	42.49%
	African American	1.9857	1.9536	3.0102	3.3678	69.60%
	Caucasian	1.2651	1.4130	1.6255	1.7389	37.45%
% Black in school	All races	1.8278	2.8485	2.6180	3.0542	67.09%
	American Indian	2.7444	6.7795	5.6126	6.8195	148.48%
	Asian	4.6756	6.4546	7.2020	7.7833	66.47%
	Hispanic	3.0259	4.1820	6.4968	5.7921	91.42%
	African American	9.7872	13.8805	17.3061	15.3476	56.81%
	Caucasian	1.7207	2.6304	2.3232	2.7721	61.10%
number of schools attended	All races	1.0169	1.0161	1.0213	1.0329	1.58%
	American Indian	1.0000	1.0769	1.0476	1.1774	17.74%
	Asian	1.0093	1.0125	1.0441	1.0745	6.46%
	Hispanic	1.1087	1.0698	1.0361	1.0714	-3.36%
	African American	1.0556	1.0172	1.0909	1.1019	4.39%
	Caucasian	1.0165	1.0156	1.0198	1.0301	1.34%
free/reduced priced lunch	All races	19.4793	18.6192	14.6999	18.5382	-4.83%
	American Indian	32.0308	28.2181	23.5533	34.2602	6.96%
	Asian	18.1628	19.4516	13.7469	22.1724	22.08%
	Hispanic	20.4846	22.2079	14.7836	21.5118	5.01%
	African American	23.8942	27.6805	25.6037	30.8932	29.29%
	Caucasian	19.4212	18.4603	14.5956	18.2355	-6.11%
school math top quintile	All races	0.3080	0.2968	0.3919	0.4420	43.49%
	American Indian	0.1800	0.2051	0.2262	0.1935	7.52%
	Asian	0.3023	0.3750	0.4436	0.4582	51.57%
	Hispanic	0.3478	0.2791	0.3378	0.5238	50.60%
	African American	0.2037	0.3621	0.2614	0.3889	90.91%
	Caucasian	0.3091	0.2944	0.3926	0.4425	43.16%
school reading top quintile	All races	0.3105	0.3743	0.3869	0.4268	37.46%
	American Indian	0.1600	0.2308	0.2099	0.1774	10.88%
	Asian	0.3163	0.4792	0.4803	0.4695	48.46%
	Hispanic	0.2609	0.3721	0.3902	0.4881	87.11%
	African American	0.1667	0.4138	0.2791	0.3796	127.78%
	Caucasian	0.3120	0.3716	0.3857	0.4265	36.71%
school math bottom quintile	All races	0.0570	0.0034	0.0167	0.0035	-93.95%
	American Indian	0.3600	0.5128	0.1071	0.0484	-86.56%
	Asian	0.0744	0.0167	0.0907	0.0135	-81.80%
	Hispanic	0.0652	0.0000	0.0843	0.0000	-100.00%
	African American	0.2593	0.0000	0.2273	0.0556	-78.57%
	Caucasian	0.0542	0.0028	0.0118	0.0025	-95.31%
school reading bottom quintile	All races	0.0812	0.0349	0.0144	0.0072	-91.15%
	American Indian	0.4000	0.0769	0.1111	0.0484	-87.91%
	Asian	0.1116	0.0000	0.0813	0.0271	-75.74%
	Hispanic	0.0870	0.0698	0.0854	0.0357	-58.93%
	African American	0.1296	0.0345	0.1977	0.0741	-42.86%
	Caucasian	0.0788	0.0356	0.0099	0.0057	-92.82%

* mean difference is significant at 95% significance level

** mean difference between 1996 and 1997

*** mean difference between 1997 and 1998

**** mean difference between 1998 and 1999

Source : Minnesota Basic Standards Test Scores, Spring 1996, 1997, 1998, 1999

Table B-1c: Mean Comparison : Basic Standards Test Score, Reading High Achiever

Variables	race	1996	1997	1998	1999	% change (1996-1999)
age	All races	13.5425	13.5680	13.5519	13.5444	0.01%
	American Indian	13.4828	13.7097	13.5072	13.6944	1.57%
	Asian	13.4294	13.5833	13.4698	13.4973	0.51%
	Hispanic	13.4783	13.4848	13.5395	13.5096	0.23%
	African American	13.5870	13.5500	13.4388	13.4034	-1.35%
	Caucasian	13.5452	13.5675	13.5553	13.5470	0.01%
female	All races	0.5381	0.5458	0.5339	0.5057	-6.03%
	American Indian	0.6034	0.4516	0.5652	0.4722	-21.75%
	Asian	0.6412	0.6272	0.5552	0.5769	-10.02%
	Hispanic	0.4348	0.7273	0.5263	0.5096	17.21%
	African American	0.5652	0.5375	0.6327	0.5795	2.54%
	Caucasian	0.5361	0.5427	0.5323	0.5029	-6.19%
attendance rate	All races	95.8889	96.0027	95.4138	95.4387	-0.47%
	American Indian	93.0351	94.6965	89.7289	93.5728	0.58%
	Asian	96.9644	96.5916	96.0408	96.6021	-0.37%
	Hispanic	93.9576	94.9693	94.4402	94.0194	0.07%
	African American	94.5489	95.0515	95.0450	93.6412	-0.96%
	Caucasian	95.8974	96.0052	95.4432	95.4516	-0.46%
English not spoken at home	All races	0.0074	0.0140	0.0114	0.0146	96.90%
	American Indian	0.0000	0.0323	0.0000	0.0139	
	Asian	0.2529	0.2719	0.3381	0.3214	27.07%
	Hispanic	0.1957	0.0606	0.1316	0.2692	37.61%
	African American	0.0000	0.0125	0.0306	0.0398	
	Caucasian	0.0018	0.0051	0.0022	0.0041	125.56%
disability	All races	0.0391	0.0184	0.0180	0.0199	-48.96%
	American Indian	0.0345	0.0323	0.0145	0.0694	101.39%
	Asian	0.0529	0.0044	0.0071	0.0027	-94.82%
	Hispanic	0.0217	0.0000	0.0263	0.0288	
	African American	0.0000	0.0000	0.0102	0.0000	
	Caucasian	0.0392	0.0191	0.0183	0.0203	-48.19%
limited English proficiency	All races	0.0000	0.0017	0.0013	0.0020	
	American Indian	0.0000	0.0323	0.0000	0.0000	
	Asian	0.0000	0.0175	0.0356	0.0330	
	Hispanic	0.0000	0.0000	0.0000	0.0577	
	African American	0.0000	0.0000	0.0102	0.0057	
	Caucasian	0.0000	0.0010	0.0004	0.0007	
gifted/talented	All races	0.2424	0.3174	0.2839	0.2773	14.41%
	American Indian	0.0690	0.2258	0.2029	0.2083	202.10%
	Asian	0.3353	0.3947	0.4875	0.4396	31.10%
	Hispanic	0.1522	0.3939	0.4605	0.2115	39.01%
	African American	0.2391	0.3875	0.3265	0.3011	25.93%
	Caucasian	0.2423	0.3140	0.2776	0.2735	12.88%
% Indian in school	All races	1.3259	0.8579	1.2439	1.2393	-6.54%
	American Indian	15.8940	2.3975	12.2500	14.2466	-10.36%
	Asian	1.0779	0.9887	1.0866	1.1603	7.64%
	Hispanic	1.3034	0.5896	1.1721	1.3211	1.36%
	African American	1.8488	1.4657	2.2723	1.8197	-1.57%
	Caucasian	1.2325	0.8407	1.1711	1.1640	-5.56%
% Asian in school	All races	2.3419	4.0015	3.5753	3.6286	54.94%
	American Indian	1.9401	4.3059	3.6744	5.4799	182.45%
	Asian	5.6561	9.4194	10.1331	8.4205	48.87%
	Hispanic	3.6199	8.5821	7.4942	7.8133	115.84%
	African American	4.7442	9.6952	10.0218	10.3677	118.53%

	Caucasian	2.2617	3.7300	3.3256	3.3700	49.00%
% Hispanic in school	All races	1.2345	1.5104	1.6911	1.8292	48.17%
	American Indian	0.9862	1.6265	1.7167	1.8257	85.13%
	Asian	1.7099	2.0941	2.3513	2.3198	35.67%
	Hispanic	2.7288	6.7286	4.6196	4.5574	67.01%
	African American	3.1052	2.1111	3.1940	2.9751	-4.19%
	Caucasian	1.2095	1.4580	1.6411	1.7802	47.18%
% Black in school	All races	2.0644	3.2885	2.7277	3.1074	50.52%
	American Indian	2.4368	8.5895	4.6809	6.4333	164.01%
	Asian	5.2140	6.7580	7.0052	6.8636	31.64%
	Hispanic	5.8305	6.3726	7.5791	8.3298	42.87%
	African American	14.0029	15.1201	18.1679	17.4235	24.43%
	Caucasian	1.9198	2.9946	2.4385	2.7623	43.89%
number of schools attended	All races	1.0178	1.0174	1.0252	1.0406	2.24%
	American Indian	1.0517	1.0000	1.0870	1.1806	12.25%
	Asian	1.0235	1.0044	1.0356	1.0467	2.26%
	Hispanic	1.0217	1.0909	1.0658	1.0865	6.34%
	African American	1.3043	1.0875	1.1020	1.1648	-10.70%
	Caucasian	1.0159	1.0167	1.0236	1.0377	2.14%
free/reduced priced lunch	All races	19.7716	19.0967	15.2666	18.8519	-4.65%
	American Indian	35.9641	24.4111	25.3323	33.1534	-7.82%
	Asian	19.3166	21.6373	13.5358	20.0866	3.99%
	Hispanic	20.8107	22.5960	15.2601	24.5212	17.83%
	African American	26.2907	28.6657	27.1153	31.4190	19.51%
	Caucasian	19.6329	18.8595	15.1437	18.5356	-5.59%
school math top quintile	All races	0.2704	0.2868	0.3773	0.4161	53.86%
	American Indian	0.1379	0.2258	0.0896	0.1528	10.76%
	Asian	0.3118	0.3465	0.4840	0.5192	66.55%
	Hispanic	0.3478	0.2727	0.2632	0.4231	21.63%
	African American	0.2826	0.3125	0.2268	0.3125	10.58%
	Caucasian	0.2700	0.2848	0.3785	0.4160	54.06%
school reading top quintile	All races	0.3114	0.3821	0.3968	0.4230	35.83%
	American Indian	0.1379	0.2903	0.1884	0.1528	10.76%
	Asian	0.3765	0.5000	0.5409	0.5467	45.22%
	Hispanic	0.3913	0.3636	0.3158	0.3846	-1.71%
	African American	0.3043	0.3750	0.2755	0.3125	2.68%
	Caucasian	0.3110	0.3787	0.3960	0.4229	36.00%
school math bottom quintile	All races	0.0783	0.0149	0.0194	0.0042	-94.62%
	American Indian	0.3103	0.0323	0.1045	0.0278	-91.05%
	Asian	0.0882	0.0132	0.0854	0.0165	-81.32%
	Hispanic	0.1522	0.0303	0.1184	0.0192	-87.36%
	African American	0.3478	0.0250	0.1856	0.0341	-90.20%
	Caucasian	0.0748	0.0147	0.0150	0.0033	-95.66%
school reading bottom quintile	All races	0.0821	0.0000	0.0170	0.0069	-91.55%
	American Indian	0.3103	0.0000	0.1304	0.0278	-91.05%
	Asian	0.1059	0.0000	0.0783	0.0192	-81.84%
	Hispanic	0.0870	0.0000	0.1053	0.0481	-44.72%
	African American	0.1957	0.0125	0.1735	0.0455	-76.77%
	Caucasian	0.0796	0.0000	0.0128	0.0057	-92.85%

* mean difference is significant at 95% significance level

** mean difference between 1996 and 1997

*** mean difference between 1997 and 1998

**** mean difference between 1998 and 1999

Source : Minnesota Basic Standards Test Scores, Spring 1996, 1997, 1998, 1999

Table B-1d : Mean Comparison : Basic Standards Test Score, Mathematics Low Achiever

Variables	race	1996	1997	1998	1999	% change (1996-1999)
age	All races	13.6962	13.7004	13.6940	13.6473	-0.36%
	American Indian	13.6740	13.7579	13.7066	13.5809	-0.68%
	Asian	13.6984	13.7360	13.7123	13.6753	-0.17%
	Hispanic	13.7685	13.8101	13.7309	13.6777	-0.66%
	African American	13.6242	13.6470	13.6673	13.6235	-0.01%
	Caucasian	13.7024	13.6995	13.6936	13.6515	-0.37%
female	All races	0.5284	0.5171	0.5121	0.4990	-5.56%
	American Indian	0.5255	0.5476	0.5116	0.4784	-8.97%
	Asian	0.5122	0.5102	0.5245	0.5016	-2.07%
	Hispanic	0.5163	0.4883	0.5621	0.5209	0.88%
	African American	0.5172	0.5178	0.5111	0.4995	-3.42%
	Caucasian	0.5311	0.5181	0.5072	0.4982	-6.20%
attendance rate	All races	92.9787	92.0843	91.7109	91.0132	-2.11%
	American Indian	87.4333	87.4343	86.1667	87.3515	-0.09%
	Asian	93.8856	93.7365	93.4457	93.2609	-0.67%
	Hispanic	89.7728	89.8523	89.7757	89.3186	-0.51%
	African American	88.4345	88.2183	88.3279	89.3111	0.99%
	Caucasian	93.8283	93.1331	92.6946	91.5358	-2.44%
English not spoken at home	All races	0.0536	0.1108	0.1228	0.1235	130.54%
	American Indian	0.0122	0.0198	0.0143	0.0126	3.45%
	Asian	0.7384	0.8844	0.8801	0.8889	20.39%
	Hispanic	0.5193	0.5475	0.6449	0.6432	23.86%
	African American	0.0343	0.0483	0.0871	0.1018	196.30%
	Caucasian	0.0046	0.0069	0.0094	0.0093	104.39%
disability	All races	0.2126	0.3004	0.3612	0.3620	70.25%
	American Indian	0.1800	0.2500	0.3757	0.3507	94.80%
	Asian	0.0976	0.1184	0.1538	0.1586	62.54%
	Hispanic	0.0979	0.1983	0.2245	0.2691	174.78%
	African American	0.1525	0.2464	0.2825	0.3115	104.21%
	Caucasian	0.2313	0.3443	0.4106	0.4042	74.77%
limited English proficiency	All races	0.0301	0.0725	0.0944	0.0985	227.03%
	American Indian	0.0024	0.0000	0.0054	0.0018	-26.34%
	Asian	0.4035	0.5728	0.7003	0.7594	88.19%
	Hispanic	0.3086	0.3659	0.4745	0.4489	45.47%
	African American	0.0293	0.0391	0.0772	0.0904	208.60%
	Caucasian	0.0016	0.0036	0.0044	0.0056	249.06%
gifted/talented	All races	0.0070	0.0568	0.0544	0.0117	66.38%
	American Indian	0.0024	0.0556	0.0125	0.0072	195.88%
	Asian	0.0133	0.2109	0.2597	0.0248	86.54%
	Hispanic	0.0030	0.0503	0.0780	0.0043	45.61%
	African American	0.0071	0.1037	0.0936	0.0201	184.87%
	Caucasian	0.0071	0.0269	0.0233	0.0092	30.27%
% Indian in school	All races	2.6263	2.2841	3.1732	3.1820	21.16%
	American Indian	27.1476	24.0270	28.4040	29.1344	7.32%
	Asian	1.9021	1.7852	1.8585	1.8451	-3.00%
	Hispanic	1.6531	1.4965	1.6662	1.5711	-4.96%
	African American	2.8939	3.1218	3.4951	3.0649	5.91%
	Caucasian	1.5214	1.2674	1.7157	1.7834	17.22%
% Asian in school	All races	3.6456	7.7939	7.2810	6.8458	87.78%
	American Indian	2.8367	5.6264	4.2919	4.1002	44.54%
	Asian	14.7783	23.0449	24.9142	23.1299	56.51%
	Hispanic	5.8229	10.7705	10.4763	9.1767	57.60%
	African American	10.7725	14.3881	15.0690	13.8865	28.91%

	Caucasian	2.2225	4.2389	3.5990	3.4426	54.90%
% Hispanic in school	All races	1.5932	2.5448	2.8181	2.9656	86.14%
	American Indian	1.1675	2.0508	1.7052	1.5487	32.64%
	Asian	3.2338	4.4010	5.6494	5.1263	58.52%
	Hispanic	6.0753	8.4563	8.6269	9.1970	51.38%
	African American	2.3901	3.6289	4.2779	4.3850	83.47%
	Caucasian	1.2665	1.7189	1.8353	1.9861	56.82%
% Black in school	All races	5.6550	10.7346	8.7970	10.0505	77.73%
	American Indian	5.4549	12.1865	9.2310	8.3672	53.39%
	Asian	16.7560	19.1438	17.6312	19.5109	16.44%
	Hispanic	6.0400	12.2726	9.7332	10.7936	78.70%
	African American	29.2733	33.4042	31.9326	34.5702	18.09%
	Caucasian	2.4118	4.1341	3.0059	3.4586	43.40%
number of schools attended	All races	1.1517	1.1563	1.2287	1.3193	14.55%
	American Indian	1.2311	1.1667	1.3214	1.4371	16.73%
	Asian	1.1086	1.1483	1.2292	1.3312	20.07%
	Hispanic	1.2226	1.1453	1.2807	1.3856	13.34%
	African American	1.2566	1.3196	1.4229	1.5615	24.26%
	Caucasian	1.1356	1.1186	1.1797	1.2494	10.02%
free/reduced priced lunch	All races	27.2948	34.3552	21.9838	32.6449	19.60%
	American Indian	42.9114	49.6440	30.9114	49.4763	15.30%
	Asian	43.2932	56.2190	20.1473	51.5044	18.97%
	Hispanic	32.5238	41.1644	21.1909	37.7751	16.15%
	African American	51.1463	57.0661	40.2505	54.8406	7.22%
	Caucasian	22.8580	25.1380	17.9977	23.9796	4.91%
school math top quintile	All races	0.0954	0.0706	0.1365	0.1495	56.75%
	American Indian	0.0292	0.0238	0.0376	0.0252	-13.77%
	Asian	0.0443	0.0463	0.0679	0.0820	84.89%
	Hispanic	0.0950	0.0419	0.1003	0.1094	15.17%
	African American	0.0394	0.0391	0.0491	0.0811	105.86%
	Caucasian	0.1074	0.0849	0.1713	0.1840	71.26%
school reading top quintile	All races	0.1302	0.1215	0.1501	0.1605	23.21%
	American Indian	0.0754	0.0437	0.0568	0.0432	-42.77%
	Asian	0.0820	0.0844	0.0883	0.0863	5.19%
	Hispanic	0.0772	0.0782	0.1091	0.1065	38.00%
	African American	0.0556	0.0540	0.0785	0.0806	45.04%
	Caucasian	0.1458	0.1482	0.1804	0.1990	36.52%
school math bottom quintile	All races	0.2560	0.1197	0.2206	0.0992	-61.26%
	American Indian	0.5474	0.2659	0.4544	0.2734	-50.06%
	Asian	0.5188	0.2299	0.5934	0.1014	-80.46%
	Hispanic	0.2938	0.2011	0.2946	0.1295	-55.92%
	African American	0.7071	0.2500	0.5836	0.2562	-63.77%
	Caucasian	0.1764	0.0638	0.0828	0.0491	-72.16%
school reading bottom quintile	All races	0.2578	0.0477	0.2057	0.1245	-51.73%
	American Indian	0.5061	0.2262	0.4621	0.2752	-45.63%
	Asian	0.5055	0.0190	0.5544	0.2255	-55.40%
	Hispanic	0.2849	0.0615	0.2819	0.1770	-37.87%
	African American	0.6202	0.0433	0.5335	0.3104	-49.95%
	Caucasian	0.1915	0.0438	0.0779	0.0567	-70.40%

* mean difference is significant at 95% significance level

** mean difference between 1996 and 1997

*** mean difference between 1997 and 1998

**** mean difference between 1998 and 1999

Source : Minnesota Basic Standards Test Scores, Spring 1996, 1997, 1998, 1999

Table B-1e : Mean Comparison : Basic Standards Test Score, Reading Low Achiever

Variables	race	1996	1997	1998	1999	% change (1996-1999)
age	All races	13.6859	13.6894	13.6787	13.6418	-0.32%
	American Indian	13.7126	13.7264	13.7034	13.5905	-0.89%
	Asian	13.7786	13.7319	13.7083	13.6629	-0.84%
	Hispanic	13.7652	13.7667	13.7044	13.6971	-0.49%
	African American	13.6581	13.6625	13.6749	13.6176	-0.30%
	Caucasian	13.6803	13.6837	13.6702	13.6430	-0.27%
female	All races	0.4322	0.4123	0.4402	0.4502	4.17%
	American Indian	0.4581	0.4811	0.4831	0.4592	0.25%
	Asian	0.4282	0.4275	0.4624	0.4410	2.98%
	Hispanic	0.4697	0.4200	0.5105	0.4840	3.04%
	African American	0.4826	0.4544	0.4756	0.4606	-4.56%
	Caucasian	0.4254	0.3988	0.4246	0.4462	4.88%
attendance rate	All races	93.3040	92.5945	92.0202	91.3795	-2.06%
	American Indian	87.4752	87.5814	85.5108	87.3940	-0.09%
	Asian	93.5534	94.0535	93.5237	93.6302	0.08%
	Hispanic	90.2902	90.2107	89.5446	89.6017	-0.76%
	African American	87.7398	87.6005	87.6797	88.7909	1.20%
	Caucasian	94.1456	93.7070	93.0710	92.0022	-2.28%
English not spoken at home	All races	0.0532	0.1220	0.1277	0.1386	160.74%
	American Indian	0.0090	0.0189	0.0148	0.0080	-11.47%
	Asian	0.7737	0.8913	0.8917	0.9141	18.14%
	Hispanic	0.5455	0.5767	0.6877	0.6763	23.99%
	African American	0.0387	0.0564	0.0909	0.1194	208.55%
	Caucasian	0.0047	0.0086	0.0100	0.0102	115.89%
disability	All races	0.2239	0.3047	0.3664	0.3665	63.70%
	American Indian	0.2126	0.2689	0.3771	0.3638	71.15%
	Asian	0.0876	0.1099	0.1327	0.1445	64.94%
	Hispanic	0.0795	0.1767	0.2421	0.2837	256.61%
	African American	0.1600	0.2877	0.3236	0.3306	106.61%
	Caucasian	0.2418	0.3431	0.4093	0.4089	69.15%
limited English proficiency	All races	0.0318	0.0786	0.1013	0.1121	252.83%
	American Indian	0.0000	0.0000	0.0042	0.0020	
	Asian	0.4453	0.5725	0.7268	0.7677	72.42%
	Hispanic	0.3447	0.3667	0.5228	0.4888	41.80%
	African American	0.0335	0.0439	0.0836	0.1071	219.17%
	Caucasian	0.0023	0.0049	0.0056	0.0070	205.65%
gifted/talented	All races	0.0101	0.0546	0.0507	0.0134	32.84%
	American Indian	0.0030	0.0566	0.0127	0.0020	-33.78%
	Asian	0.0268	0.2210	0.2380	0.0368	37.59%
	Hispanic	0.0038	0.0500	0.0754	0.0080	111.90%
	African American	0.0090	0.0862	0.0793	0.0176	95.35%
	Caucasian	0.0098	0.0251	0.0239	0.0106	7.65%
% Indian in school	All races	2.4902	1.9980	2.9888	3.0850	23.88%
	American Indian	29.6420	21.1033	29.9132	30.0768	1.47%
	Asian	1.8418	1.8179	1.8181	1.9384	5.24%
	Hispanic	1.0785	1.5103	1.5918	1.5532	44.03%
	African American	2.9573	3.1943	3.6949	3.1351	6.02%
	Caucasian	1.4259	1.1213	1.6087	1.6905	18.55%
% Asian in school	All races	3.4547	7.5482	6.8417	6.9002	99.73%
	American Indian	2.4345	5.9672	3.6432	4.0028	64.42%
	Asian	15.2181	22.4892	24.1204	23.3622	53.52%
	Hispanic	6.1511	10.5269	10.4753	8.9120	44.89%
	African American	11.2466	14.3751	14.8291	14.0964	25.34%

	Caucasian	2.0934	3.9783	3.3918	3.3248	58.83%
% Hispanic in school	All races	1.5214	2.4685	2.7312	3.0109	97.90%
	American Indian	1.1120	2.0770	1.7054	1.5986	43.76%
	Asian	3.3610	4.3084	5.5624	5.2067	54.91%
	Hispanic	6.1493	8.9819	9.1510	10.3459	68.25%
	African American	2.4522	3.6158	4.1668	4.4474	81.37%
	Caucasian	1.2112	1.6625	1.7817	1.9753	63.08%
% Black in school	All races	5.1252	10.0829	8.1615	9.8554	92.30%
	American Indian	5.2338	13.7960	8.3681	8.0295	53.42%
	Asian	16.4345	19.3072	17.6948	19.8549	20.81%
	Hispanic	6.2657	12.1752	9.8482	10.4962	67.52%
	African American	31.2666	33.4196	33.0831	35.5440	13.68%
	Caucasian	2.0689	3.8081	2.8433	3.3380	61.34%
number of schools attended	All races	1.1447	1.1447	1.2118	1.3022	13.76%
	American Indian	1.2216	1.2123	1.3049	1.4016	14.74%
	Asian	1.1144	1.1389	1.2197	1.3267	19.06%
	Hispanic	1.2159	1.1667	1.2807	1.3750	13.08%
	African American	1.2606	1.3408	1.4510	1.5924	26.31%
	Caucasian	1.1299	1.1021	1.1623	1.2276	8.65%
free/reduced priced lunch	All races	26.7968	33.4179	21.6243	32.6324	21.78%
	American Indian	42.8514	48.9889	30.7115	49.4596	15.42%
	Asian	42.7779	55.3343	21.2274	52.0546	21.69%
	Hispanic	33.3062	41.6978	21.4610	37.8513	13.65%
	African American	53.5113	57.1013	42.1702	55.9499	4.56%
	Caucasian	22.6539	24.5468	17.8460	23.9042	5.52%
school math top quintile	All races	0.1069	0.0878	0.1555	0.1590	48.69%
	American Indian	0.0240	0.0283	0.0485	0.0278	16.20%
	Asian	0.0511	0.0447	0.0746	0.0888	73.73%
	Hispanic	0.1023	0.0267	0.1058	0.0929	-9.16%
	African American	0.0323	0.0431	0.0470	0.0759	135.29%
	Caucasian	0.1202	0.1081	0.1916	0.1974	64.23%
school reading top quintile	All races	0.1195	0.1204	0.1442	0.1504	25.89%
	American Indian	0.0659	0.0566	0.0445	0.0378	-42.66%
	Asian	0.0925	0.0785	0.0937	0.0869	-6.04%
	Hispanic	0.0909	0.0467	0.0947	0.1026	12.87%
	African American	0.0452	0.0531	0.0698	0.0688	52.39%
	Caucasian	0.1309	0.1459	0.1712	0.1866	42.60%
school math bottom quintile	All races	0.2265	0.1244	0.1987	0.0952	-57.95%
	American Indian	0.5539	0.2547	0.4383	0.2664	-51.90%
	Asian	0.4793	0.2355	0.5721	0.1001	-79.12%
	Hispanic	0.2992	0.2367	0.2839	0.1378	-53.94%
	African American	0.7303	0.2479	0.6032	0.2694	-63.11%
	Caucasian	0.1511	0.0734	0.0705	0.0450	-70.21%
school reading bottom quintile	All races	0.2757	0.0249	0.1979	0.1253	-54.53%
	American Indian	0.5240	0.1509	0.4831	0.2724	-48.02%
	Asian	0.5401	0.0133	0.5532	0.2247	-58.39%
	Hispanic	0.3220	0.0333	0.2965	0.1891	-41.27%
	African American	0.6761	0.0456	0.5607	0.3294	-51.28%
	Caucasian	0.2134	0.0174	0.0736	0.0567	-73.45%

* mean difference is significant at 95% significance level

** mean difference between 1996 and 1997

*** mean difference between 1997 and 1998

**** mean difference between 1998 and 1999

Source : Minnesota Basic Standards Test Scores, Spring 1996, 1997, 1998, 1999

Table B-2a Mean Comparison by Race in 1996 : Mathematics-High Achiever

Variables	Caucasian	American Indian	Asian	Hispanic	African American
age	13.5443	13.5800 (-0.495)	13.4326 * (3.188)	13.4565 (1.167)	13.3704 * (2.505)
female	0.4211	0.3800 (0.587)	0.5256 * (-3.072)	0.3478 (1.004)	0.3519 (1.028)
attendance rate	96.1586	93.9563 * (3.232)	96.7854 * (-2.335)	96.4590 (-0.669)	96.0891 (0.130)
English not spoken at home	0.0029	0.0000 (0.382)	0.3302 * (-10.180)	0.1304 * (-2.540)	0.0185 (-0.823)
disability	0.0421	0.0000 (1.481)	0.0651 (-1.658)	0.0435 (-0.048)	0.0185 (1.265)
limited English proficiency	0.0003	0.0000 (0.119)	0.0186 * (-1.983)	0.0435 (-1.421)	0.0000 (0.123)
gifted/talented	0.2331	0.0800 * (3.929)	0.3209 * (-2.730)	0.1956 (0.632)	0.3333 (-1.736)
% Indian in school	1.0719	12.8385 * (-4.170)	0.9792 (0.859)	1.1523 (-0.314)	1.4618 (-1.348)
% Asian in school	2.2372	1.9974 (0.587)	5.1063 * (-9.926)	3.0187 (-1.836)	4.5286 * (-5.827)
% Hispanic in school	1.2651	0.8131 * (2.968)	1.7271 * (-2.394)	2.5392 * (-3.303)	1.9857 * (-2.188)
% Black in school	1.7207	2.7444 (-1.192)	4.6756 * (-4.766)	3.0259 (-1.508)	9.7872 * (-4.292)
number of schools attended	1.0165	1.0000 (0.789)	1.0093 (1.070)	1.1087 (-1.297)	1.0556 (-0.950)
free/reduced priced lunch	19.4212	32.0308 * (-4.057)	18.1628 (1.287)	20.4846 (-0.626)	23.8942 (-1.977)
school math top quintile	0.3091	0.1800 * (1.972)	0.3023 (0.213)	0.3478 (-0.544)	0.2037 (1.673)
school reading top quintile	0.3120	0.1600 * (2.892)	0.3163 (-0.133)	0.2609 (0.747)	0.1667 * (2.301)
school math bottom quintile	0.0542	0.3600 * (-4.458)	0.0744 (-1.121)	0.0652 (-0.331)	0.2593 * (-3.405)
school reading bottom quintile	0.0788	0.4000 * (-4.587)	0.1116 (-1.514)	0.0870 (-0.205)	0.1296 (-1.100)

* mean difference is significant at 95% significance level

t-statistics are in parentheses

Source : Minnesota Basic Standards Test Scores, Spring 1996

Table B-2b Mean Comparison by Race in 1996 : Reading - High Achiever

Variables	Caucasian	American Indian	Asian	Hispanic	African American
age	13.5452	13.4828 (0.929)	13.4294 * (2.936)	13.4783 (0.888)	13.5870 (-0.5549)
female	0.5361	0.6034 (-1.025)	0.6412 * (-2.723)	0.4348 (1.374)	0.5652 (-0.395)
attendance rate	95.8974	93.0351 * (3.561)	96.9644 * (-4.360)	93.9576 * (2.250)	94.5489 (1.759)
English not spoken at home	0.0018	0.0000 (0.324)	0.2529 * (-7.510)	0.1957 * (-3.278)	0.0000 (0.289)
disability	0.0392	0.0345 (0.185)	0.0529 (-0.791)	0.0217 (1.370)	0.0000 (1.437)
limited English proficiency	0.0000	0.0000 (0.000)	0.0000 (0.000)	0.0000 (0.000)	0.0000 (0.000)
gifted/talented	0.2423	0.0690 * (5.115)	0.3353 * (-2.800)	0.1522 (1.423)	0.2391 (0.050)
% Indian in school	1.2325	15.8940 * (-5.066)	1.0779 (1.103)	1.3034 (-0.243)	1.8488 (-1.723)
% Asian in school	2.2617	1.9410 (0.546)	5.6561 * (-7.304)	3.6199 (-1.792)	4.7442 * (-2.753)
% Hispanic in school	1.2095	0.9862 (0.830)	1.7099 * (-2.309)	2.7288 * (-3.078)	3.1052 * (-3.482)
% Black in school	1.9198	2.4368 (-0.704)	5.2140 * (-4.225)	5.8305 * (-2.318)	14.0029 * (-4.678)
number of schools attended	1.0159	1.0517 (-0.934)	1.0235 (-0.709)	1.0217 (-0.284)	1.3043 * (-2.491)
free/reduced priced lunch	19.6329	35.9641 * (-5.465)	19.3166 (0.241)	20.8107 (-0.483)	26.2907 * (-2.069)
school math top quintile	0.2700	0.1379 * (2.877)	0.3118 (-1.213)	0.3478 (-1.185)	0.2826 (-0.192)
school reading top quintile	0.3110	0.1379 * (3.766)	0.3765 (-1.826)	0.3913 (-1.174)	0.3043 (0.097)
school math bottom quintile	0.0748	0.3103 * (-3.840)	0.0882 (-0.610)	0.1522 (-1.443)	0.3478 * (-3.842)
school reading bottom quintile	0.0796	0.3103 * (-3.762)	0.1059 (-1.103)	0.0870 (-0.184)	0.1957 (-1.961)

* mean difference is significant at 95% significance level

t-statistics are in parentheses

Source : Minnesota Basic Standards Test Scores, Spring 1996

Table B-2c Mean Comparison by Race in 1996 : Mathematics - Low Achiever

Variables	Caucasian	American Indian	Asian	Hispanic	African American
age	13.7024	13.6740 (0.884)	13.6984 (0.122)	13.7685 (-1.814)	13.6242 * (3.754)
female	0.5311	0.5255 (0.222)	0.5122 (0.786)	0.5163 (0.535)	0.5172 (0.834)
attendance rate	93.8283	87.4333 * (10.327)	93.8856 (-0.150)	89.7728 * (7.215)	83.4345 * (16.640)
English not spoken at home	0.0046	0.0122 (-1.392)	0.7384 * (-35.394)	0.5193 * (-18.878)	0.0343 * (-5.104)
disability	0.2313	0.1800 * (2.628)	0.0976 * (9.101)	0.0979 * (7.926)	0.1525 * (6.411)
limited English proficiency	0.0016	0.0024 (-0.339)	0.4035 * (-17.377)	0.3086 * (-12.181)	0.0293 * (-5.149)
gifted/talented	0.0071	0.0024 (1.789)	0.0133 (-1.139)	0.0030 (1.324)	0.0071 (0.000)
% Indian in school	1.5214	27.1476 * (-15.250)	1.9021 * (-3.620)	1.6531 (-0.431)	2.8939 * (-7.754)
% Asian in school	2.2225	2.8367 (-1.921)	14.7783 * (-18.909)	5.8229 * (-7.522)	10.7725 * (-29.520)
% Hispanic in school	1.2665	1.1675 (0.850)	3.2338 * (-10.089)	6.0753 * (-15.446)	2.3901 * (-11.174)
% Black in school	2.4118	5.4549 * (-5.172)	16.7560 * (-18.008)	6.0400 * (-5.560)	29.2733 * (-41.991)
number of schools attended	1.1356	1.2311 * (-3.305)	1.1086 (1.516)	1.2226 * (-2.661)	1.2566 * (-6.601)
free/reduced priced lunch	22.8580	42.9114 * (-17.747)	43.2932 (-15.489)	32.5238 * (-8.943)	51.1463 * (-33.931)
school math top quintile	0.1074	0.0292 * (8.744)	0.0443 * (6.154)	0.0950 (0.727)	0.0394 * (9.700)
school reading top quintile	0.1458	0.0754 * (5.181)	0.0820 * (4.729)	0.0772 * (4.563)	0.0556 * (10.999)
school math bottom quintile	0.1764	0.5474 * (-14.890)	0.5188 * (-14.325)	0.2938 * (-4.660)	0.7071 * (-35.297)
school reading bottom quintile	0.1915	0.5061 * (-12.560)	0.5055 * (-13.118)	0.2849 * (-3.781)	0.6202 * (-26.803)

* mean difference is significant at 95% significance level

t-statistics are in parentheses

Source : Minnesota Basic Standards Test Scores, Spring 1996

Table B-2d Mean Comparison by Race in 1996 : Reading - Low Achiever

Variables	Caucasian	American Indian	Asian	Hispanic	African American
age	13.6803	13.7126 (-0.889)	13.7786 * (-2.697)	13.7652 * (-2.110)	13.6581 (0.920)
female	0.4254	0.4581 (-1.183)	0.4282 (-0.112)	0.4697 (-1.432)	0.4826 * (-3.074)
attendance rate	94.1456	87.4752 * (9.432)	93.5534 (1.433)	90.2902 * (6.102)	87.7398 * (17.352)
English not spoken at home	0.0047	0.0090 (-0.815)	0.7737 * (-37.189)	0.5455 * (-17.606)	0.0387 * (-4.873)
disability	0.2418	0.2126 (1.224)	0.0876 * (10.463)	0.0795 * (9.357)	0.1600 * (5.843)
limited English proficiency	0.0023	0.0000 (0.877)	0.4453 * (-18.043)	0.3447 * (-11.682)	0.0335 * (-4.812)
gifted/talented	0.0098	0.0030 * (2.139)	0.0268 * (-2.108)	0.0038 (1.528)	0.0090 (0.210)
% Indian in school	1.4259	29.6420 * (-14.434)	1.8418 * (-4.042)	1.0785 * (2.874)	2.9573 * (-7.594)
% Asian in school	2.0934	2.4345 (-1.091)	15.2181 * (-18.453)	6.1511 * (-6.966)	11.2466 * (-27.542)
% Hispanic in school	1.2112	1.1120 (0.927)	3.3610 * (-10.003)	6.1493 * (-14.612)	2.4522 * (-10.432)
% Black in school	2.0689	5.2338 * (-4.917)	16.4345 * (-17.157)	6.2657 * (-5.478)	31.2666 * (-41.181)
number of schools attended	1.1299	1.2216 * (-2.812)	1.1144 (0.801)	1.2159 * (-2.219)	1.2606 * (-6.469)
free/reduced priced lunch	22.6539	42.8514 * (-16.022)	42.7779 * (-14.569)	33.3062 * (-8.309)	53.5113 * (-33.110)
school math top quintile	0.1202	0.0240 * (10.566)	0.0511 * (6.038)	0.1023 (0.884)	0.0323 * (12.066)
school reading top quintile	0.1309	0.0659 * (4.613)	0.0925 * (2.599)	0.0909 * (2.207)	0.0452 * (10.282)
school math bottom quintile	0.1511	0.5539 * (-14.635)	0.4793 * (-13.137)	0.2992 * (-5.196)	0.7303 * (-35.252)
school reading bottom quintile	0.2134	0.5240 * (-11.945)	0.5401 * (-13.056)	0.3220 * (-3.722)	0.6761 * (-26.570)

* mean difference is significant at 95% significance level

t-statistics are in parentheses

Source : Minnesota Basic Standards Test Scores, Spring 1996

Table B-2e Mean Comparisons by Race in 1996 : Mathematics - Pass

Variables	Caucasian	American Indian	Asian	Hispanic	African American
age	13.5519	13.5359 (0.578)	13.5300 (1.025)	13.5449 (0.218)	13.4795 * (2.975)
female	0.4821	0.5048 (-0.924)	0.5171 * (-2.018)	0.5170 (-1.252)	0.4838 (-0.074)
attendance rate	95.6112	92.3261 * (9.484)	96.1617 * (-3.283)	93.7501 * (5.600)	93.3240 * (7.564)
English not spoken at home	0.0028	0.0024 (0.140)	0.4159 * (-24.401)	0.2415 * (-10.009)	0.0302 * (-3.448)
disability	0.0582	0.0431 (1.514)	0.0436 * (2.059)	0.0464 (1.000)	0.0281 * (3.875)
limited English proficiency	0.0006	0.0000 (0.480)	0.0718 * (-8.039)	0.0898 * (-5.601)	0.0065 (-1.588)
gifted/talented	0.1072	0.0287 * (9.419)	0.1425 * (-2.920)	0.0650 * (3.048)	0.0756 * (2.546)
% Indian in school	1.2250	13.6927 * (-12.148)	1.3540 (-1.339)	1.1503 (0.687)	1.9654 * (-4.290)
% Asian in school	2.1166	1.9576 (0.894)	6.9359 * (-18.123)	3.5410 * (-5.821)	6.9597 * (-16.465)
% Hispanic in school	1.2097	1.0396 (1.785)	1.9778 * (-7.568)	3.4248 * (-10.115)	2.1621 * (-6.874)
% Black in school	1.7317	3.4973 * (-4.180)	7.4117 * (-13.769)	4.1578 * (-4.746)	18.5386 * (-18.820)
number of schools attended	1.0399	1.1053 * (-3.478)	1.0400 (-0.021)	1.0743 * (-2.015)	1.1425 * (-5.153)
free/reduced priced lunch	20.7488	33.5727 * (-12.852)	24.3291 * (-5.295)	22.8661 * (-2.772)	34.9822 * (-12.471)
school math top quintile	0.2256	0.1172 * (6.815)	0.2061 (1.342)	0.1981 (1.175)	0.1469 * (4.739)
school reading top quintile	0.2447	0.1459 * (5.669)	0.2450 (-0.017)	0.2105 (1.425)	0.1555 * (5.248)
school math bottom quintile	0.0832	0.3445 * (-11.209)	0.1873 * (-7.727)	0.1579 * (-3.668)	0.4406 * (-15.446)
school reading bottom quintile	0.1061	0.3038 * (-8.758)	0.2049 * (-7.086)	0.1362 (-1.571)	0.3326 * (-10.308)

* mean difference is significant at 95% significance level
t-statistics are in parentheses

Source : Minnesota Basic Standards Test Scores, Spring 1996

Table B-2f Mean Comparisons by Race in 1996 : Reading - Pass

Variables	Caucasian	American Indian	Asian	Hispanic	African American
age	13.5543	13.5123 (1.457)	13.4810 * (3.232)	13.5353 (0.510)	13.4799 * (2.759)
female	0.5093	0.5675 * (-2.090)	0.5814 * (-3.659)	0.5726 (-1.958)	0.5282 (-0.723)
attendance rate	95.6468	92.0395 * (9.078)	96.3071 * (-3.837)	93.3831 * (5.138)	93.3038 * (6.517)
English not spoken at home	0.0020	0.0031 (-0.356)	0.3516 * (-18.753)	0.1992 * (-7.649)	0.0188 * (-2.386)
disability	0.0542	0.0521 (0.161)	0.0502 (-0.276)	0.0456 (0.164)	0.0429 (0.451)
limited English proficiency	0.0002	0.0000 (0.254)	0.0304 * (-4.509)	0.0539 * (-3.686)	0.0027 (-0.926)
gifted/talented	0.1276	0.0337 * (9.209)	0.1753 * (-3.168)	0.0788 * (2.789)	0.0885 * (2.639)
% Indian in school	1.2187	13.0958 * (-11.142)	1.2655 (-0.581)	1.5465 (-1.068)	2.1326 * (-4.179)
% Asian in school	2.1267	1.9636 (0.775)	6.2471 * (-16.131)	3.5238 * (-4.889)	6.3471 * (-13.861)
% Hispanic in school	1.1821	1.0081 (1.590)	1.8157 * (-5.778)	3.3774 * (-8.517)	1.9884 * (-5.692)
% Black in school	1.7438	3.2834 * (-3.109)	7.0271 * (-11.013)	4.8041 * (-4.494)	17.8538 * (-16.031)
number of schools attended	1.0321	1.0920 * (-3.373)	1.0289 (0.439)	1.0830 * (-2.583)	1.1528 * (-4.891)
free/reduced priced lunch	20.4437	33.3054 * (-11.332)	23.0264 * (-3.411)	22.5680 * (-2.239)	33.4032 * (-10.089)
school math top quintile	0.2265	0.0982 * (7.696)	0.2222 (0.260)	0.1826 (1.624)	0.1796 * (2.339)
school reading top quintile	0.2584	0.1534 * (5.214)	0.2770 (-1.077)	0.2448 (0.481)	0.2011 * (2.740)
school math bottom quintile	0.0805	0.3405 * (-9.874)	0.1583 * (-5.426)	0.1743 * (-3.822)	0.4021 * (-12.628)
school reading bottom quintile	0.0996	0.3067 * (-8.079)	0.1796 * (-5.302)	0.1494 * (-2.156)	0.3190 * (-9.057)

* mean difference is significant at 95% significance level

t-statistics are in parentheses

Source : Minnesota Basic Standards Test Scores, Spring 1996

Table B-3a Mean Comparison by Race in 1997 : Mathematics - High Achiever

Variables	Caucasian	American Indian	Asian	Hispanic	African American
age	13.5681	13.6923 (-1.526)	13.5875 (-0.527)	13.6047 (-0.471)	13.4828 (1.275)
female	0.4084	0.3077 (1.277)	0.4291 (-0.643)	0.4884 (-1.063)	0.3276 (1.248)
attendance rate	96.3630	93.9597 * (1.900)	97.2589 * (-3.607)	95.0000 * (1.695)	96.1515 (0.424)
English not spoken at home	0.0046	0.0256 (-0.821)	0.3833 * (-12.040)	0.1395 * (-2.524)	0.0172 (-0.734)
disability	0.0205	0.0256 (-0.222)	0.0166 (0.465)	0.0000 (0.951)	0.0345 (-0.574)
limited English proficiency	0.0007	0.0256 * (-0.970)	0.0625 * (-3.942)	0.0465 (-1.408)	0.0000 (0.210)
gifted/talented	0.3202	0.2564 (0.853)	0.4083 (-2.876)	0.4419 (-1.704)	0.3448 (-0.400)
% Indian in school	0.8505	9.9238 * (-2.501)	0.9424 (-1.021)	0.7254 (0.935)	1.5501 * (-3.182)
% Asian in school	3.4893	3.8047 (-0.412)	8.2559 * (-9.036)	6.8650 (-2.301)	9.7278 * (-4.852)
% Hispanic in school	1.1430	1.1618 (-0.770)	1.7681 * (-2.664)	7.5117 (-1.922)	1.9536 * (-2.816)
% Black in school	2.6304	6.7795 (-1.993)	6.4546 * (-6.448)	4.1820 (-1.748)	13.8805 * (-4.793)
number of schools attended	1.0156	1.0769 (-1.417)	1.0125 (0.427)	1.0698 (-1.376)	1.0172 (-0.095)
free/reduced priced lunch	18.4602	28.2181 * (-2.465)	19.4516 (-0.920)	22.2079 (-1.906)	27.6805 * (-2.974)
school math top quintile	0.2944	0.2051 (1.221)	0.3750 * (-2.692)	0.2791 (0.221)	0.3621 (-1.125)
school reading top quintile	0.3716	0.2308 (1.816)	0.4792 * (-3.394)	0.3721 (-0.007)	0.4138 (-0.663)
school math bottom quintile	0.0028	0.5128 (-1.355)	0.0167 * (-1.671)	0.0000 (0.347)	0.0000 (0.403)
school reading bottom quintile	0.0356	0.0769 (-0.955)	0.0000 * (2.975)	0.0698 (-0.868)	0.0345 (0.045)

* mean difference is significant at 95% significance level

t-statistics are in parentheses

Source : Minnesota Basic Standards Test Scores, Spring 1997

Table B-3b Mean Comparison by Race in 1997 : Reading - High Achiever

Variables	Caucasian	American Indian	Asian	Hispanic	African American
age	13.5675	13.7097 (-1.562)	13.5833 (-0.465)	13.4848 (0.935)	13.5500 (0.307)
female	0.5427	0.4516 (1.015)	0.6272 * (-2.522)	0.7273 * (-2.124)	0.5375 (0.093)
attendance rate	96.0052	94.6965 (1.794)	96.5916 * (-2.148)	94.9593 (1.481)	95.0515 (1.669)
English not spoken at home	0.0051	0.0323 (-0.841)	0.2719 * (-9.030)	0.0606 * (-1.315)	0.0125 (-0.588)
disability	0.0191	0.0323 (-0.408)	0.0044 * (-3.131)	0.0000 (0.801)	0.0000 (1.247)
limited English proficiency	0.0010	0.0323 (-0.968)	0.0175 (-1.894)	0.0000 (0.184)	0.0000 (0.287)
gifted/talented	0.3140	0.2258 (1.056)	0.3947 * (-2.451)	0.3939 (-0.986)	0.3875 (-1.407)
% Indian in school	0.8407	2.3975 * (-3.113)	0.9887 (-1.668)	0.5896 (1.519)	1.4657 * (-2.923)
% Asian in school	3.7300	4.3059 (-0.622)	9.4194 * (-8.403)	8.5821 * (-3.111)	9.6952 * (-5.589)
% Hispanic in school	1.4580	1.6265 (-0.430)	2.0941 * (-3.312)	6.7286 (-1.756)	2.1111 * (-2.671)
% Black in school	2.9946	8.5895 (-1.793)	6.7580 * (-6.189)	6.3726 * (-2.904)	15.1201 * (-5.691)
number of schools attended	1.0167	1.0000 (0.685)	1.0044 * (2.633)	1.0909 (-1.459)	1.0875 (-1.744)
free/reduced priced lunch	18.8595	24.4111 (-1.476)	21.6373 * (-2.146)	22.5960 (-1.582)	28.6657 * (-3.896)
school math top quintile	0.2848	0.2258 (0.727)	0.3465 * (-2.025)	0.2727 (0.154)	0.3125 (-0.545)
school reading top quintile	0.3787	0.2903 (1.012)	0.5000 * (-3.710)	0.3636 (0.178)	0.3750 (0.068)
school math bottom quintile	0.0147	0.0323 (-0.545)	0.0132 (0.187)	0.0303 (-0.515)	0.0250 (-0.586)
school reading bottom quintile	0.0000	0.0000 (0.000)	0.0000 (0.000)	0.0000 (0.000)	0.0125 * (-9.287)

* mean difference is significant at 95% significance level

t-statistics are in parentheses

Source : Minnesota Basic Standards Test Scores, Spring 1997

Table B-3c Mean Comparison by Race in 1997 : Mathematics - Low Achiever

Variables	Caucasian	American Indian	Asian	Hispanic	African American
age	13.6995	13.7579 (-1.365)	13.7360 (-1.285)	13.8101 * (-2.849)	13.6470 * (2.795)
female	0.5181	0.5476 (-0.916)	0.5102 (0.408)	0.4888 (1.079)	0.5178 (0.029)
attendance rate	93.1331	87.4343 * (6.697)	93.7365 (-1.767)	89.8523 * (6.166)	88.2183 * (15.101)
English not spoken at home	0.0069	0.0198 (-1.455)	0.8844 * (-74.023)	0.5475 * (-20.502)	0.0483 * (-7.111)
disability	0.3443	0.2500 * (3.095)	0.1184 * (16.821)	0.1983 * (6.637)	0.2464 * (7.499)
limited English proficiency	0.0036	0.0000 (0.948)	0.5728 * (-31.148)	0.3659 * (-14.208)	0.0391 * (-6.799)
gifted/talented	0.0269	0.0556 (-1.961)	0.2109 * (-12.102)	0.0503 * (-1.989)	0.1037 * (-9.147)
% Indian in school	1.2674	24.0270 * (-11.037)	1.7852 * (-6.188)	1.4965 * (-1.993)	3.1218 * (-10.942)
% Asian in school	4.2389	5.6264 * (-2.303)	23.0449 * (-33.363)	10.7705 * (-10.049)	14.3881 * (-32.880)
% Hispanic in school	1.7189	2.0508 (-1.353)	4.4010 * (-16.535)	8.4563 * (-9.418)	3.6289 * (-17.352)
% Black in school	4.1341	12.1865 * (-7.825)	19.1438 * (-27.029)	12.2726 * (-9.788)	33.4042 * (-48.458)
number of schools attended	1.1186	1.1667 (-1.856)	1.1483 (1.920)	1.1453 (-1.237)	1.3196 * (12.612)
free/reduced priced lunch	25.1380	49.6440 * (-13.870)	56.2190 * (-32.122)	41.1644 * (-11.901)	57.0661 * (-45.996)
school math top quintile	0.0849	0.0238 * (5.943)	0.0463 * (4.518)	0.0419 * (3.839)	0.0391 * (7.267)
school reading top quintile	0.1482	0.0437 * (7.632)	0.0844 * (5.675)	0.0782 * (4.683)	0.0540 * (12.409)
school math bottom quintile	0.0638	0.2659 * (-7.201)	0.2299 * (-10.481)	0.2011 * (-6.402)	0.2500 * (-15.553)
school reading bottom quintile	0.0438	0.2262 * (-6.872)	0.0190 * (4.342)	0.0615 (-1.358)	0.0433 (0.081)

* mean difference is significant at 95% significance level

t-statistics are in parentheses

Source : Minnesota Basic Standards Test Scores, Spring 1997

Table B-3d Mean Comparison by Race in 1997 : Reading - Low Achiever

Variables	Caucasian	American Indian	Asian	Hispanic	African American
age	13.6837	13.7264 (-0.919)	13.7319 (-1.814)	13.7667 (-1.901)	13.6625 (1.063)
female	0.3988	0.4811 * (-2.404)	0.4275 (-1.580)	0.4200 (-0.732)	0.4544 * (-3.584)
attendance rate	93.7070	87.5714 * (7.391)	94.0535 (-1.066)	90.2107 * (6.322)	87.6005 * (16.287)
English not spoken at home	0.0086	0.0189 (-1.087)	0.8913 * (-81.058)	0.5767 * (-19.863)	0.0564 * (-7.076)
disability	0.3431	0.2689 * (2.242)	0.1099 * (18.653)	0.1767 * (7.268)	0.2877 * (3.840)
limited English proficiency	0.0049	0.0000 (1.021)	0.5725 * (-32.947)	0.3667 * (-12.974)	0.0439 * (-6.537)
gifted/talented	0.0251	0.0566 (-1.962)	0.2210 * (-13.443)	0.0500 (-1.948)	0.0862 * (-7.328)
% Indian in school	1.1213	21.1033 * (-9.034)	1.8179 * (-8.688)	1.5103 * (-2.189)	3.1943 * (-11.109)
% Asian in school	3.9783	5.9672 * (-3.077)	22.4892 * (-35.043)	10.5269 * (-15.005)	14.3751 * (-31.632)
% Hispanic in school	1.6625	2.0770 (-1.691)	4.3084 * (-18.131)	8.9819 * (-9.292)	3.6158 * (-16.120)
% Black in school	3.8081	13.7960 * (-8.143)	19.3072 * (-29.422)	12.1752 * (-9.276)	33.4196 * (-45.224)
number of schools attended	1.1021	1.2123 * (-3.502)	1.1389 * (-2.595)	1.1667 * (-2.511)	1.3408 * (-13.682)
free/reduced priced lunch	24.5468	48.9889 * (-12.284)	55.3343 * (-33.621)	41.6978 * (-11.745)	57.1013 * (-44.038)
school math top quintile	0.1081	0.0283 * (6.593)	0.0447 * (7.700)	0.0267 * (8.024)	0.0431 * (9.148)
school reading top quintile	0.1459	0.0566 * (5.395)	0.0785 * (6.472)	0.0467 * (7.616)	0.0531 * (11.732)
school math bottom quintile	0.0734	0.2547 * (-6.007)	0.2355 * (-10.709)	0.2367 * (-6.581)	0.2479 * (-13.539)
school reading bottom quintile	0.0174	0.1509 * (-5.407)	0.0133 (0.945)	0.0333 (-1.517)	0.0456 * (-4.520)

* mean difference is significant at 95% significance level

t-statistics are in parentheses

Source : Minnesota Basic Standards Test Scores, Spring 1997

Table B-3e Mean Comparison by Race in 1997 : Mathematics Pass rate

Variables	Caucasian	American Indian	Asian	Hispanic	African American
age	13.5558	13.5776 (-0.642)	13.5743 (-0.999)	13.6055 (-1.421)	13.4644 * (3.738)
female	0.4733	0.4871 (-0.420)	0.5195 * (-2.982)	0.4533 (0.676)	0.4533 (0.840)
attendance rate	95.7801	91.9137 * (7.153)	96.1277 (-1.930)	94.0403 * (5.523)	93.6474 * (6.997)
English not spoken at home	0.0049	0.0216 (-1.744)	0.5400 * (-35.188)	0.2768 * (-10.314)	0.0444 * (-4.065)
disability	0.0433	0.0560 (-0.840)	0.0195 * (5.409)	0.0277 (1.601)	0.0333 (1.162)
limited English proficiency	0.0011	0.0043 (-0.755)	0.1227 * (-12.153)	0.0657 * (-4.429)	0.0089 (-1.767)
gifted/talented	0.1633	0.1164 * (2.210)	0.2965 * (-9.442)	0.2007 (-1.578)	0.2044 * (-2.148)
% Indian in school	0.9218	8.5636 * (-6.059)	1.2592 * (-6.303)	1.1723 (-1.241)	1.8723 * (-5.172)
% Asian in school	3.2958	5.0844 * (-3.509)	12.0961 * (-23.491)	6.8195 * (-6.258)	10.2079 * (-15.342)
% Hispanic in school	1.4261	1.6464 (-1.380)	2.3707 * (-12.584)	5.1968 * (-5.388)	2.7772 * (-7.267)
% Black in school	2.5997	8.4249 * (5.924)	10.6159 * (-19.370)	6.5506 * (-6.240)	21.0225 * (-17.450)
number of schools attended	1.0294	1.1336 * (-3.866)	1.0437 * (-2.118)	1.0865 * (-3.297)	1.1156 * (-5.574)
free/reduced priced lunch	19.8306	33.8649 * (-8.481)	31.4004 * (-14.927)	27.1237 * (-6.381)	38.4500 * (-15.033)
school math top quintile	0.2235	0.1034 * (5.944)	0.2249 (-0.109)	0.1938 (1.269)	0.1978 (1.300)
school reading top quintile	0.2986	0.1595 * (5.736)	0.3020 (-0.244)	0.2388 * (2.367)	0.2200 * (3.980)
school math bottom quintile	0.0071	0.0517 * (-3.062)	0.0530 * (-6.699)	0.0242 (-1.889)	0.0489 * (-4.103)
school reading bottom quintile	0.0374	0.0862 * (-2.638)	0.0056 * (12.512)	0.0381 (-0.059)	0.0156 * (3.670)

* mean difference is significant at 95% significance level
t-statistics are in parentheses

Source : Minnesota Basic Standards Test Scores, Spring 1997

Table B-3f Mean Comparison by Race in 1997 : Reading Pass rate

Variables	Caucasian	American Indian	Asian	Hispanic	African American
age	13.5612	13.5814 (-0.514)	13.5592 (0.099)	13.5857 (-0.677)	13.4628 * (3.926)
female	0.5119	0.5523 (-1.058)	0.6051 * (-5.249)	0.5498 (-1.196)	0.5599 * (-2.106)
attendance rate	95.7340	91.8713 * (5.574)	96.2573 * (-2.430)	93.5630 * (5.937)	93.4857 * (10.954)
English not spoken at home	0.0042	0.0174 (-1.319)	0.4344 * (-24.293)	0.2311 * (-8.508)	0.0331 * (-3.539)
disability	0.0344	0.0407 (-0.448)	0.0191 * (3.047)	0.0478 (-0.986)	0.0517 (-1.697)
limited English proficiency	0.0006	0.0058 (-0.888)	0.0522 * (-6.490)	0.0478 * (-3.495)	0.0062 (-1.553)
gifted/talented	0.1774	0.1337 (1.487)	0.3096 * (-7.911)	0.1912 (-0.569)	0.2149 * (-1.985)
% Indian in school	0.8496	9.3757 * (-5.631)	1.1022 * (-4.988)	1.0289 (-1.032)	1.8690 * (-5.883)
% Asian in school	3.4732	4.7564 * (-2.223)	10.7027 * (-16.788)	7.8478 * (-6.516)	11.0075 * (-16.856)
% Hispanic in school	1.43637	1.5201 (-0.556)	2.1194 * (-8.057)	5.3166 * (-4.893)	2.8196 * (-8.141)
% Black in school	2.7926	8.6527 * (-5.352)	8.7922 * (-13.715)	6.7712 * (-5.920)	20.8895 * (-18.690)
number of schools attended	1.0260	1.0872 * (-2.649)	1.0382 (-1.711)	1.1036 * (-3.860)	1.1384 * (-6.080)
free/reduced priced lunch	19.5931	34.4539 * (-7.383)	27.0849 * (-9.033)	27.3828 * (-5.982)	39.0714 * (-16.175)
school math top quintile	0.2343	0.1395 * (3.556)	0.2624 (1.829)	0.2032 (1.157)	0.1694 * (3.750)
school reading top quintile	0.3190	0.1570 * (5.790)	0.3490 (-1.774)	0.2869 (1.088)	0.2231 * (4.996)
school math bottom quintile	0.0227	0.0640 * (-2.201)	0.0433 * (-2.807)	0.0598 * (-2.466)	0.0868 * (-4.986)
school reading bottom quintile	0.0002	0.0174 (-1.721)	0.0000 (0.411)	0.0040 (-0.946)	0.0083 (-1.953)

* mean difference is significant at 95% significance level
t-statistics are in parentheses
Source : Minnesota Basic Standards Test Scores, Spring 1997

Table B-4a Mean Comparison by Race in 1998 : Mathematics - High Achiever

Variables	Caucasian	American Indian	Asian	Hispanic	African American
age	13.5538	13.5238 (0.539)	13.4510 * (3.698)	13.5663 (-0.222)	13.3977 * (2.870)
female	0.4461	0.4048 * (0.760)	0.4902 (-1.763)	0.3735 * (1.327)	0.4545 (-0.159)
attendance rate	95.6320	91.7549 * (2.460)	96.5040 * (-2.184)	94.0614 * (1.364)	94.7398 * (1.053)
English not spoken at home	0.0027	0.0000 (0.475)	0.3922 * (-16.091)	0.2289 * (-4.876)	0.0227 * (-1.254)
disability	0.0176	0.0238 (-0.370)	0.0123 * (0.958)	0.0120 (0.459)	0.0114 (0.546)
limited English proficiency	0.0007	0.0000 (-0.244)	0.0588 * (-4.982)	0.0361 * (-1.719)	0.0114 * (-0.937)
gifted/talented	0.2839	0.1667 * (2.853)	0.4632 * (-7.161)	0.4578 * (-3.499)	0.4205 * (-2.828)
% Indian in school	1.0918	8.9011 * (-4.355)	1.0662 (0.274)	1.0401 (0.305)	1.5961 * (-2.406)
% Asian in school	3.2520	2.3848 (1.659)	9.9586 * (-11.468)	7.2937 * (-3.679)	11.4356 * (-6.120)
% Hispanic in school	1.6255	1.5861 (0.123)	2.3094 * (-4.836)	5.0643 * (-4.603)	3.0102 * (-2.776)
% Black in school	2.3232	5.6126 * (-2.225)	7.2020 * (-8.972)	6.4968 * (-3.766)	17.3061 * (-6.808)
number of schools attended	1.0198	1.0476 (-0.741)	1.0441 * (-2.367)	1.0361 * (-0.791)	1.0909 * (-2.305)
free/reduced priced lunch	14.5956	23.5533 * (-3.812)	13.7469 * (0.940)	14.7836 (-0.108)	25.6037 (-3.904)
school math top quintile	0.3926	0.2262 * (3.115)	0.4436 * (-2.076)	0.3373 * (1.028)	0.2614 * (2.774)
school reading top quintile	0.3857	0.2099 * (3.845)	0.4803 * (-3.850)	0.3902 (-0.840)	0.2791 * (2.026)
school math bottom quintile	0.0118	0.1071 * (-2.806)	0.0907 * (-5.527)	0.0843 (-2.361)	0.2273 * (-4.794)
school reading bottom quintile	0.0099	0.1111 * (-2.879)	0.0813 * (-5.244)	0.0854 * (-2.429)	0.1977 * (-4.346)

* mean difference is significant at 95% significance level

t-statistics are in parentheses

Source : Minnesota Basic Standards Test Scores, Spring 1998

Table B-4b Mean Comparison by Race in 1998 : Reading - High Achiever

Variables	Caucasian	American Indian	Asian	Hispanic	African American
age	13.5553	13.5072 (0.784)	13.4698 * (2.453)	13.5395 (0.271)	13.4388 * (2.260)
female	0.5323	0.5652 (-0.546)	0.5552 (-0.757)	0.5263 (0.105)	0.6327 * (-1.982)
attendance rate	95.4432	89.7289 * (2.527)	96.0408 (-1.025)	94.4402 (1.082)	95.0450 (0.731)
English not spoken at home	0.0022	0.0000 (0.394)	0.3381 * (-11.878)	0.1316 * (-3.313)	0.0306 * (-1.621)
disability	0.0183	0.0145 (0.237)	0.0071 * (2.163)	0.0263 (-0.431)	0.0102 * (0.790)
limited English proficiency	0.0004	0.0000 (0.158)	0.0356 * (-3.182)	0.0000 (0.165)	0.0102 (-0.965)
gifted/talented	0.2776	0.2029 (1.383)	0.4875 * (-6.957)	0.4605 * (-3.545)	0.3265 (-1.076)
% Indian in school	1.1711	12.2500 * (-3.967)	1.0866 (0.766)	1.1721 (-0.005)	2.2723 (-1.586)
% Asian in school	3.3256	3.6744 (-0.378)	10.1331 * (-9.103)	7.4942 * (-3.734)	10.0218 * (-6.417)
% Hispanic in school	1.6411	1.7167 (-0.217)	2.3513 * (-4.431)	4.6196 * (-4.676)	3.1940 * (-2.971)
% Black in school	2.4385	4.6809 (-1.976)	7.0052 * (-6.887)	7.5791 * (-4.205)	18.1679 * (-7.625)
number of schools attended	1.0236	1.0870 (-1.280)	1.0356 (-1.069)	1.0658 (-0.779)	1.1020 * (-2.548)
free/reduced priced lunch	15.1437	25.3323 * (-3.536)	13.5358 (1.533)	15.2601 (-0.076)	27.1153 * (-4.675)
school math top quintile	0.3785	0.0896 * (8.151)	0.4840 * (-3.598)	0.2632 * (2.067)	0.2268 * (3.070)
school reading top quintile	0.3960	0.1884 * (4.358)	0.5409 * (-4.902)	0.3158 (1.426)	0.2755 * (2.431)
school math bottom quintile	0.0150	0.1045 * (-2.375)	0.0854 * (-4.204)	0.1184 * (-2.770)	0.1856 * (-4.297)
school reading bottom quintile	0.0128	0.1304 * (-2.880)	0.0783 * (-4.073)	0.1053 * (-2.609)	0.1735 * (-4.179)

* mean difference is significant at 95% significance level
t-statistics are in parentheses

Source : Minnesota Basic Standards Test Scores, Spring 1998

Table B-4c Mean Comparison by Race in 1998 : Mathematics - Low Achiever

Variables	Caucasian	American Indian	Asian	Hispanic	African American
age	13.6936	13.7066 (-0.458)	13.7123 * (-0.812)	13.7309 * (-1.250)	13.6673 * (1.539)
female	0.5072	0.5116 (-0.204)	0.5245 (-1.036)	0.5621 * (-2.658)	0.5111 (-0.297)
attendance rate	92.6946	86.1667 * (10.604)	93.4457 * (-2.266)	89.7757 * (6.730)	88.3279 * (14.784)
English not spoken at home	0.0094	0.0143 * (-0.954)	0.8801 * (-84.330)	0.6449 * (-33.203)	0.0871 * (-11.261)
disability	0.4106	0.3757 (1.628)	0.1538 * (20.385)	0.2245 * (10.635)	0.2825 * (10.568)
limited English proficiency	0.0044	0.0054 (-0.320)	0.7003 * (-47.981)	0.4745 * (-23.562)	0.0772 * (-11.214)
gifted/talented	0.0233	0.0125 * (2.160)	0.2597 * (-16.935)	0.0780 * (-5.052)	0.0936 * (-9.718)
% Indian in school	1.7157	28.4040 * (-19.077)	1.8585 (-1.602)	1.6662 (0.435)	3.4951 * (-12.518)
% Asian in school	3.5990	4.2919 * (-1.778)	24.9142 * (-41.518)	10.4763 * (-13.231)	15.0690 * (-37.203)
% Hispanic in school	1.8353	1.7052 (0.699)	5.6494 * (-22.016)	8.6269 * (-16.931)	4.2779 * (-19.868)
% Black in school	3.0059	9.2310 * (-8.856)	17.6312 * (-33.447)	9.7332 * (-12.852)	31.9326 * (-52.443)
number of schools attended	1.1797	1.3214 * (-4.907)	1.2292 * (-2.729)	1.2807 * (-3.826)	1.4229 * (-15.212)
free/reduced priced lunch	17.9977	30.9114 * (-10.291)	20.1473 * (-2.332)	21.1909 * (-3.429)	40.2505 * (-27.386)
school math top quintile	0.1713	0.0376 * (14.809)	0.0679 * (11.551)	0.1003 * (5.597)	0.0491 * (18.406)
school reading top quintile	0.1804	0.0568 * (11.307)	0.0883 * (9.188)	0.1091 * (5.303)	0.0785 (12.966)
school math bottom quintile	0.0828	0.4544 * (-17.454)	0.5934 * (-32.280)	0.2946 * (-11.479)	0.5836 * (-40.739)
school reading bottom quintile	0.0779	0.4621 * (-17.531)	0.5544 (-29.407)	0.2819 * (-10.920)	0.5335 * (-35.997)

* mean difference is significant at 95% significance level

t-statistics are in parentheses

Source : Minnesota Basic Standards Test Scores, Spring 1998

Table B-4d Mean Comparison by Race in 1998 : Reading - Low Achiever

Variables	Caucasian	American Indian	Asian	Hispanic	African American
age	13.6702	13.7034 (-1.082)	13.7083 (-1.651)	13.7404 * (-2.311)	13.6749 (-0.244)
female	0.4246	0.4831 * (-2.497)	0.4624 * (-2.310)	0.5105 * (-4.012)	0.4756 * (-3.543)
attendance rate	93.0710	85.5108 * (10.304)	93.5237 (-1.359)	89.5446 * (7.486)	87.6797 * (15.534)
English not spoken at home	0.0100	0.0148 (-0.847)	0.8917 * (-90.235)	0.6877 * (-34.829)	0.0909 * (-10.329)
disability	0.4093	0.3771 (1.386)	0.1327 * (23.305)	0.2421 * (8.925)	0.3236 * (6.252)
limited English proficiency	0.0056	0.0042 (0.459)	0.7268 * (-51.703)	0.5228 * (-24.679)	0.0836 * (-10.379)
gifted/talented	0.0239	0.0127 * (2.071)	0.2380 * (-15.964)	0.0754 * (-4.600)	0.0793 * (-7.403)
% Indian in school	1.6087	29.9132 * (-18.075)	1.8381 * (-2.690)	1.5918 (0.150)	3.6949 * (-13.251)
% Asian in school	3.3918	3.6432 (-0.649)	24.1204 * (-41.056)	10.4753 * (-13.246)	14.8291 * (-33.725)
% Hispanic in school	1.7817	1.7054 (0.365)	5.5624 * (-22.129)	9.1510 * (-15.422)	4.1668 * (-18.007)
% Black in school	2.8433	8.3681 * (-7.224)	17.6948 * (-34.114)	9.8482 * (-12.710)	33.0831 * (-48.167)
number of schools attended	1.1623	1.3049 * (-4.739)	1.2197 * (-3.271)	1.2807 * (-4.291)	1.4510 * (-15.711)
free/reduced priced lunch	17.8460	30.7115 * (-9.245)	21.2274 * (-3.616)	21.4610 * (-3.619)	42.1702 * (-26.741)
school math top quintile	0.1916	0.0485 * (13.041)	0.0746 * (12.507)	0.1058 * (6.156)	0.0470 * (19.908)
school reading top quintile	0.1712	0.0445 * (12.252)	0.0937 * (7.771)	0.0947 * (5.911)	0.0698 * (12.676)
school math bottom quintile	0.0705	0.4383 * (-15.666)	0.5721 * (-31.620)	0.2839 * (-10.865)	0.6032 * (-38.684)
school reading bottom quintile	0.0736	0.4831 * (-17.650)	0.5532 * (-30.367)	0.2965 * (-11.517)	0.5607 * (-35.594)

* mean difference is significant at 95% significance level

t-statistics are in parentheses

Source : Minnesota Basic Standards Test Scores, Spring 1998

Table B-4e Mean Comparison by Race in 1998 : Mathematics - Pass rate

Variables	Caucasian	American Indian	Asian	Hispanic	African American
age	13.5446	13.5336 (0.420)	13.5433 (0.082)	13.5383 (0.261)	13.4693 * (3.572)
female	0.4784	0.4599 (0.794)	0.4928 (-1.085)	0.4830 (-0.196)	0.5207 * (-2.220)
attendance rate	95.0056	89.7165 * (7.353)	95.9713 * (-4.983)	93.0086 * (4.180)	93.3173 * (5.611)
English not spoken at home	0.0034	0.0000 (1.261)	0.5528 * (-42.297)	0.3191 * (-14.666)	0.0300 * (-4.112)
disability	0.0451	0.0629 (-1.567)	0.0164 * (8.292)	0.0468 (-0.178)	0.0342 (1.563)
limited English proficiency	0.0011	0.0000 (0.707)	0.1840 * (-18.075)	0.1362 * (-8.530)	0.0114 * (-2.571)
gifted/talented	0.1526	0.0759 * (6.150)	0.3647 * (-16.703)	0.1957 * (-2.342)	0.2382 * (-5.284)
% Indian in school	1.2400	15.9335 * (-12.539)	1.2625 (-0.454)	1.1720 (0.770)	2.5790 * (-5.897)
% Asian in school	3.1009	3.1459 (-0.142)	13.3311 * (-27.566)	7.3126 * (-8.694)	11.7516 * (-19.996)
% Hispanic in school	1.6323	1.7287 (-0.533)	3.1883 * (-15.223)	5.0046 * (-13.701)	3.3389 * (-9.529)
% Black in school	2.2647	5.5888 * (-5.682)	10.2902 * (-23.207)	6.5845 * (-8.516)	22.5400 * (-23.953)
number of schools attended	1.0449	1.1345 * (-3.706)	1.0791 * (-4.335)	1.1149 * (-3.983)	1.1840 * (-8.124)
free/reduced priced lunch	15.5875	25.1242 * (-8.376)	16.2039 (-1.094)	17.2477 * (-2.040)	31.0965 * (-14.338)
school math top quintile	0.3305	0.1388 * (11.772)	0.3102 (1.632)	0.2404 * (4.536)	0.1726 * (10.915)
school reading top quintile	0.3254	0.1482 * (10.492)	0.3454 (-1.602)	0.2747 * (2.327)	0.2134 * (7.099)
school math bottom quintile	0.0195	0.1996 * (-9.658)	0.2120 * (-17.999)	0.1298 * (-7.102)	0.3138 * (-16.771)
school reading bottom quintile	0.0182	0.2190 * (-10.308)	0.1960 * (-17.073)	0.1202 * (-6.758)	0.2816 * (-15.350)

* mean difference is significant at 95% significance level

t-statistics are in parentheses

Source : Minnesota Basic Standards Test Scores, Spring 1998

Table B-4f Mean Comparison by Race in 1998 : Reading - Pass rate

Variables	Caucasian	American Indian	Asian	Hispanic	African American
age	13.5520	13.5731 (-0.7624)	13.5403 (0.712)	13.5466 -0.2112	13.4935 * (3.215)
female	0.5020	0.5000 (0.089)	0.5418 * (-2.8307)	0.5445 (-1.851)	0.5815 * (-4.553)
attendance rate	94.9315	89.1557 * (7.648)	95.8488 * (-4.281)	93.2228 * (3.986)	93.2538 * (6.358)
English not spoken at home	0.0033	0.0228 (0.435)	0.5068 * (-36.516)	0.2857 * (-13.724)	0.0380 * (-5.262)
disability	0.0427	0.0799 * (-2.859)	0.0205 * (-5.495)	0.0455 (-0.307)	0.0488 (-0.806)
limited English proficiency	0.0008	0.0000 (0.593)	0.1231 * (-13.497)	0.1014 * (-7.318)	0.0178 * (-3.728)
gifted/talented	0.1567	0.0753 (6.381)	0.3663 * (-15.624)	0.2070 * (-2.712)	0.2319 * (-5.119)
% Indian in school	1.2521	15.3274 * (-12.797)	1.2126 (0.788)	1.3983 (-0.909)	2.6778 * (-6.209)
% Asian in school	3.1581	3.1911 (-0.100)	13.0338 * (-25.102)	8.1406 * (-9.615)	12.4140 * (-22.090)
% Hispanic in school	1.6510	1.5169 (-1.024)	3.1010 * (-13.797)	5.1677 * (-13.465)	3.5350 * (-10.740)
% Black in school	2.3405	5.8112 * (-5.645)	9.8487 * (-20.794)	6.8448 * (-9.050)	22.4048 * (-26.534)
number of schools attended	1.0457	1.1826 * (-5.108)	1.0737 * (-3.162)	1.1346 * (-4.840)	1.2117 * (-10.182)
free/reduced priced lunch	15.5993	25.4536 * (-8.464)	15.9651 (-0.634)	17.5111 * (-2.296)	30.0333 * (-19.635)
school math top quintile	0.3282	0.1338 * (11.651)	0.3193 (0.670)	0.2241 (5.381)	0.1639 (12.571)
school reading top quintile	0.3317	0.1484 * (10.679)	0.3533 (-1.637)	0.2878 * (2.040)	0.2128 * (8.304)
school math bottom quintile	0.0204	0.1901 * (-8.911)	0.1986 * (-16.123)	0.1501 * (-7.882)	0.3277 * (-18.833)
school reading bottom quintile	0.0190	0.2078 * (-9.720)	0.1824 * (-15.311)	0.1429 (-7.764)	0.3032 * (-17.904)

* mean difference is significant at 95% significance level
t-statistics are in parentheses

Source : Minnesota Basic Standards Test Scores, Spring 1998

Table B-5a Mean Comparison by Race in 1999 : Mathematics - High Achiever

Variables	Caucasian	American Indian	Asian	Hispanic	African American
age	13.5534	13.4677 (1.332)	13.5011 * (1.968)	13.5000 (0.966)	13.3796 * (3.560)
female	0.4524	0.4355 (0.268)	0.4831 (-1.274)	0.4048 (0.875)	0.4074 (0.937)
attendance rate	95.7227	93.9494 * (2.876)	96.8444 * (-5.2412)	95.3915 (0.668)	94.5111 (1.593)
English not spoken at home	0.0046	0.0000 (0.538)	0.4108 * (-17.3522)	0.2381 * (-4.9931)	0.0185 (-1.0633)
disability	0.0174	0.0323 (-0.655)	0.0045 * (3.822)	0.0000 (1.220)	0.0000 (1.384)
limited English proficiency	0.0012	0.0000 (0.269)	0.0677 * (-5.5674)	0.0595 * (-2.2471)	0.0000 (0.354)
gifted/talented	0.2895	0.2258 (1.104)	0.4041 * (-4.8411)	0.2738 (0.317)	0.3333 (-0.9994)
% Indian in school	1.1033	13.5879 * (-4.323)	1.1147 (-0.131)	1.0976 (0.028)	2.2201 (-1.643)
% Asian in school	3.3352	5.5785 (-1.837)	9.2385 * (-11.764)	6.2035 * (-2.968)	11.6390 * (-7.720)
% Hispanic in school	1.7389	1.8247 (-0.185)	2.6490 * (-5.388)	3.6180 * (-5.459)	3.3678 * (-3.370)
% Black in school	2.7721	6.8195 (-2.143)	7.7833 * (-9.604)	5.7921 * (-2.928)	15.3476 * (-7.626)
number of schools attended	1.0301	1.1774 * (-2.507)	1.0745 * (-3.416)	1.0714 (-1.459)	1.1019 (-1.933)
free/reduced priced lunch	18.2355	34.2607 * (-5.825)	22.1724 * (-3.857)	21.5118 (-1.571)	30.8932 (-4.743)
school math top quintile	0.4425	0.1935 * (4.904)	0.4582 (-0.656)	0.5238 (-1.479)	0.3889 (1.117)
school reading top quintile	0.4265	0.1774 * (5.074)	0.4695 (-1.783)	0.4881 (-1.119)	0.3796 (0.982)
school math bottom quintile	0.0025	0.0484 (-1.669)	0.0135 * (-1.995)	0.0000 (0.463)	0.0556 * (-2.394)
school reading bottom quintile	0.0057	0.0484 (-1.555)	0.0271 * (-2.765)	0.0357 (-1.475)	0.0741 * (-2.701)

* mean difference is significant at 95% significance level
t-statistics are in parentheses

Source : Minnesota Basic Standards Test Scores, Spring 1999

Table B-5b Mean Comparison by Race in 1999 : Reading - High Achiever

Variables	Caucasian	American Indian	Asian	Hispanic	African American
age	13.5470	13.6944 * (-2.459)	13.4973 (1.843)	13.5096 (0.748)	13.4034 * (3.730)
female	0.5029	0.4722 (0.520)	0.5769 * (-2.787)	0.5096 (-0.136)	0.5795 (-2.020)
attendance rate	95.4516	93.5728 * (2.674)	96.6021 (-4.520)	94.0194 * (2.210)	93.6412 * (2.067)
English not spoken at home	0.0041	0.0139 (-0.707)	0.3214 * (-12.944)	0.2692 * (-6.067)	0.0398 * (-2.416)
disability	0.0203	0.0694 (-1.627)	0.0027 * (5.853)	0.0288 (-0.515)	0.0000 (1.911)
limited English proficiency	0.0007	0.0000 (0.231)	0.0330 * (-3.438)	0.0577 * (-2.479)	0.0057 (-0.869)
gifted/talented	0.2735	0.2083 (1.238)	0.4396 * (-6.306)	0.2115 (1.533)	0.3011 (-0.8162)
% Indian in school	1.1640	14.2466 * (-4.924)	1.1603 (0.037)	1.3211 (-0.769)	1.8197 (-1.894)
% Asian in school	3.3700	5.4799 (-1.816)	8.4205 * (-10.261)	7.8133 * (-4.831)	10.3677 * (-8.655)
% Hispanic in school	1.7802	1.8704 (-0.119)	2.3198 * (-3.144)	4.5574 * (-4.486)	2.9751 * (-3.875)
% Black in school	2.7623	6.4333 * (-2.153)	6.8636 * (-7.326)	8.3298 * (-4.682)	17.4235 * (-9.931)
number of schools attended	1.0377	1.1806 * (-2.667)	1.0467 (-0.689)	1.0865 (-1.760)	1.1648 * (-3.923)
free/reduced priced lunch	18.5356	33.1534 * (-5.914)	20.0866 (-1.532)	24.5212 * (-2.794)	31.4190 * (-6.546)
school math top quintile	0.4160	0.1528 * (6.135)	0.5192 * (-3.886)	0.4231 (-0.146)	0.3125 * (2.947)
school reading top quintile	0.4229	0.1528 * (6.295)	0.5467 * (-4.718)	0.3846 (0.787)	0.3125 * (3.127)
school math bottom quintile	0.0033	0.0278 (-1.257)	0.0165 * (-1.975)	0.0192 (-1.180)	0.0341 * (-2.247)
school reading bottom quintile	0.0057	0.0278 (-1.132)	0.0192 (-1.8710)	0.0481 * (-2.010)	0.0455 * (-2.523)

* mean difference is significant at 95% significance level

t-statistics are in parentheses

Source : Regression Analysis, Minnesota Basic Standards Test Scores, Spring 1999

Table B-5c Mean Comparison by Race in 1999 : Mathematics - Low Achiever

Variables	Caucasian	American Indian	Asian	Hispanic	African American
age	13.6515	13.5809 * (2.623)	13.6753 (-0.999)	13.6777 (-0.966)	13.6235 (1.761)
female	0.4982	0.4784 (0.905)	0.5016 (-0.196)	0.5209 (-1.147)	0.4995 (-0.100)
attendance rate	91.5358	87.3515 * (6.141)	93.2609 * (-4.729)	89.3186 * (5.497)	89.3111 * (7.088)
English not spoken at home	0.0093	0.0126 (-0.673)	0.8889 * (-84.734)	0.6432 * (-34.797)	0.1018 * (-13.295)
disability	0.4042	0.3507 * (2.495)	0.1586 * (18.702)	0.2691 * (7.654)	0.3115 * (7.860)
limited English proficiency	0.0056	0.0018 (1.903)	0.7594 * (-53.584)	0.4489 * (-23.462)	0.0904 * (-12.917)
gifted/talented	0.0092	0.0072 (0.540)	0.0248 * (-2.991)	0.0043 (1.815)	0.0201 * (-3.256)
% Indian in school	1.7834	29.1344 * (-18.532)	1.8451 (-0.783)	1.5711 (1.920)	3.0649 * (-9.129)
% Asian in school	3.4426	4.1002 (-1.750)	23.1299 * (-39.244)	9.1767 * (-12.567)	13.8865 * (-38.549)
% Hispanic in school	1.9861	1.5487 * (3.066)	5.1263 * (-19.704)	9.1970 * (-17.206)	4.3850 * (-20.424)
% Black in school	3.4586	8.3672 * (-7.048)	19.5109 * (-32.270)	10.7936 * (-12.519)	34.5702 * (-55.737)
number of schools attended	1.2494	1.4371 * (-5.998)	1.3312 * (-3.990)	1.3856 * (-5.388)	1.5615 * (-16.984)
free/reduced priced lunch	23.9798	49.4763 * (-20.735)	51.5044 * (-30.076)	37.7751 * (-13.638)	54.8406 * (-46.411)
school math top quintile	0.1840	0.0252 * (20.175)	0.0820 * (10.251)	0.1094 * (5.936)	0.0811 * (13.720)
school reading top quintile	0.1990	0.0432 * (16.137)	0.0863 * (11.051)	0.1065 * (7.409)	0.0806 * (15.668)
school math bottom quintile	0.0491	0.2734 * (-11.763)	0.1014 * (-5.128)	0.1295 * (-6.202)	0.2562 * (-20.305)
school reading bottom quintile	0.0567	0.2752 * (-11.426)	0.2255 * (-12.089)	0.1770 * (-8.181)	0.3104 * (-23.465)

* mean difference is significant at 95% significance level

t-statistics are in parentheses

Source : Minnesota Basic Standards Test Scores, Spring 1999

Table B-5d Mean Comparison by Race in 1999 : Reading - Low Achiever

Variables	Caucasian	American Indian	Asian	Hispanic	African American
age	13.6430	13.5905 (1.944)	13.6629 (-0.881)	13.6971 (-1.846)	13.6176 (1.491)
female	0.4462	0.4592 (-0.572)	0.4410 (0.321)	0.4840 (-1.830)	0.4606 (-1.085)
attendance rate	92.0022	87.3940 * (6.860)	93.6302 * (-4.884)	89.6017 * (5.651)	88.7909 * (9.626)
English not spoken at home	0.0102	0.0080 (0.544)	0.9141 * (-104.049)	0.6763 * (-35.471)	0.1194 * (-13.748)
disability	0.4089	0.3638 * (2.000)	0.1445 * (21.875)	0.2837 * (6.645)	0.3306 * (6.202)
limited English proficiency	0.0070	0.0020 * (2.305)	0.7677 * (-58.443)	0.4888 * (-24.029)	0.1071 * (-13.235)
gifted/talented	0.0106	0.0020 * (3.751)	0.0368 * (-4.454)	0.0080 (0.679)	0.0176 * (-2.093)
% Indian in school	1.6905	30.0768 * (-18.102)	1.9384 * (-2.351)	1.5532 (1.199)	3.1351 * (-9.396)
% Asian in school	3.3248	4.0028 (-1.764)	23.3622 * (-42.732)	8.9120 * (-11.757)	14.0964 * (-37.627)
% Hispanic in school	1.9753	1.5986 * (2.344)	5.2067 * (-20.924)	10.3459 * (-15.859)	4.4474 * (-19.774)
% Black in school	3.3380	8.0295 * (-6.623)	19.8549 * (-35.097)	10.4962 * (-11.773)	35.5440 * (-53.875)
number of schools attended	1.2276	1.4016 * (-5.577)	1.3267 * (-5.205)	1.3750 * (-5.767)	1.5924 * (-17.975)
free/reduced priced lunch	23.9042	49.4596 * (-19.621)	52.0546 * (-32.980)	37.8513 * (-12.949)	55.9499 * (-45.852)
school math top quintile	0.1974	0.0278 * (19.832)	0.0888 * (11.109)	0.0929 * (7.555)	0.0759 * (15.626)
school reading top quintile	0.1866	0.0378 * (15.619)	0.0869 * (10.322)	0.1026 * (7.341)	0.0688 * (15.722)
school math bottom quintile	0.0450	0.2664 * (-11.146)	0.1001 * (-5.794)	0.1378 * (-6.603)	0.2694 * (-20.394)
school reading bottom quintile	0.0567	0.2724 * (-10.768)	0.2247 * (-12.847)	0.1891 * (-8.332)	0.3294 * (-23.344)

* mean difference is significant at 95% significance level

t-statistics are in parentheses

Source : Regression Analysis, Minnesota Basic Standards Test Scores, Spring 1999

Table B-5e Mean Comparison by Race in 1999 : Mathematics - Pass rate

Variables	Caucasian	American Indian	Asian	Hispanic	African American
age	13.5392	13.5679 (-1.072)	13.4948 * (3.087)	13.5475 (-0.317)	13.4438 * (4.952)
female	0.4799	0.4434 (1.525)	0.4966 (-1.326)	0.4626 (0.764)	0.4694 (0.592)
attendance rate	95.0185	91.1801 * (7.509)	95.7877 * (-4.054)	93.7159 * (3.833)	92.9909 * (5.333)
English not spoken at home	0.0042	0.0068 (-0.648)	0.5851 * (-47.525)	0.3232 * (-15.157)	0.0623 * (-6.864)
disability	0.0440	0.0928 * (-3.517)	0.0148 * (9.292)	0.0444 (-0.043)	0.0465 (-0.325)
limited English proficiency	0.0012	0.0000 (0.739)	0.2176 * (-21.141)	0.1293 * (-8.483)	0.0244 * (-4.295)
gifted/talented	0.1575	0.0769 * (6.286)	0.2323 * (-7.048)	0.1010 * (4.128)	0.1822 (-1.813)
% Indian in school	1.2070	18.3620 * (-13.652)	1.5546 * (-4.870)	1.2601 (-0.357)	2.2233 * (-6.012)
% Asian in school	3.1575	3.6640 (-1.482)	13.5780 * (-30.549)	7.0816 * (-9.136)	11.8751 * (-22.304)
% Hispanic in school	1.7089	1.6969 (0.069)	3.2964 * (-16.189)	5.5834 * (-11.912)	3.8269 * (-13.493)
% Black in school	2.5936	6.2310 * (-5.720)	11.7109 * (-26.311)	7.7104 * (-9.613)	22.5669 * (-26.149)
number of schools attended	1.0620	1.2330 * (-6.396)	1.1334 * (-7.189)	1.1232 * (-3.846)	1.3032 * (-12.323)
free/reduced priced lunch	19.0422	38.0740 * (-16.751)	32.2787 * (-19.570)	27.0002 * (-7.922)	39.6226 * (-20.793)
school math top quintile	0.3786	0.1290 * (15.475)	0.3122 * (5.659)	0.3131 * (2.988)	0.2323 * (9.782)
school reading top quintile	0.3722	0.1244 * (15.592)	0.3196 * (4.460)	0.3051 * (3.076)	0.2286 * (9.654)
school math bottom quintile	0.0045	0.7014 * (-5.393)	0.0356 * (-6.751)	0.0222 * (-2.664)	0.0685 * (-7.231)
school reading bottom quintile	0.0085	0.0679 * (-4.956)	0.0676 * (-9.474)	0.0566 * (-4.623)	0.0954 * (-8.448)

* mean difference is significant at 95% significance level

t-statistics are in parentheses

Source : Minnesota Basic Standards Test Scores, Spring 1999

Table B-5f Mean Comparison by Race in 1999 : Reading - Pass rate

Variables	Caucasian	American Indian	Asian	Hispanic	African American
age	13.5424	13.5493 (-0.279)	13.4971 * (3.173)	13.5307 (0.500)	13.4868 * (3.331)
female	0.4951	0.4818 (0.622)	0.5404 * (-3.529)	0.5065 (-0.561)	0.5338 * (-2.665)
attendance rate	94.8189	90.8592 * (7.916)	95.7482 * (-4.919)	92.9823 * (5.698)	92.6200 * (6.904)
English not spoken at home	0.0041	0.0109 (-1.544)	0.5467 * (-43.208)	0.3317 * (-17.284)	0.0487 * (-7.207)
disability	0.0495	0.1150 * (-4.787)	0.0197 * (8.155)	0.0550 (-0.629)	0.0553 (-0.871)
limited English proficiency	0.0010	0.0000 * (0.734)	0.1869 * (-18.907)	0.1327 * (-9.643)	0.0206 * (-4.807)
gifted/talented	0.1493	0.0693 * (7.270)	0.2333 * (-7.784)	0.0874 * (5.384)	0.1386 (1.027)
% Indian in school	1.2358	19.0328 * (-15.149)	1.4825 * (-4.515)	1.4079 (-1.353)	2.1797 * (-7.271)
% Asian in school	3.1863	4.0699 * (-2.663)	12.8143 * (-28.338)	7.7754 * (-10.993)	12.1190 * (-28.241)
% Hispanic in school	1.7267	1.8211 (-0.575)	3.1015 * (-14.623)	5.5211 * (-14.116)	3.8980 * (-16.784)
% Black in school	2.6319	7.0093 * (-7.219)	10.9729 * (-24.318)	8.9631 * (-11.676)	24.2939 * (-33.606)
number of schools attended	1.0709	1.2774 * (-8.195)	1.1163 * (-5.031)	1.1634 * (-5.327)	1.3358 * (-16.361)
free/reduced priced lunch	19.1877	39.9874 * (-19.743)	30.6350 * (-16.975)	28.5857 * (-10.124)	41.3476 * (-27.271)
school math top quintile	0.3674	0.1186 * (17.760)	0.3255 * (3.395)	0.2767 * (4.999)	0.2021 * (14.052)
school reading top quintile	0.3677	0.1150 * (18.279)	0.3369 * (2.490)	0.2686 * (5.509)	0.2046 * (13.804)
school math bottom quintile	0.0055	0.1022 * (-7.464)	0.0356 * (-6.425)	0.0307 * (-3.629)	0.0883 * (-10.146)
school reading bottom quintile	0.0090	0.0985 * (-7.024)	0.0629 * (-8.787)	0.0680 * (-5.816)	0.1213 * (-11.959)

* mean difference is significant at 95% significance level

t-statistics are in parentheses

Source : Minnesota Basic Standards Test Scores, Spring 1999

Table B-6a Means of Dependent Variables : Basic Standards Test, Mathematics 1996-2000

	1996	1997	1998	1999	2000	% changes from 1996 to 2000
Mean Test Score Model (% correct)						
Overall	79.78	79.97 (-1.813)	79.40 * (5.458)	79.23 (1.754)	78.72 * (-5.215)	-1.33%
American Indian	67.63	69.22 (-1.658)	65.49 * (3.894)	64.67 (0.951)	65.89 (1.482)	-2.58%
Asian	74.85	73.32 * (2.432)	71.36 * (3.462)	73.11 * (-3.204)	74.61 * (3.012)	-0.32%
Hispanic	67.67	67.60 (0.071)	64.21 * (3.780)	62.88 (1.590)	64.61 * (2.214)	-4.53%
African American	59.50	59.84 (-0.537)	56.75 * (5.351)	56.93 (-0.316)	60.00 * (5.852)	0.83%
Caucasian	80.93	81.87 * (-9.692)	81.53 * (3.433)	81.47 (0.695)	80.83 * (-6.684)	-0.12%
High Achiever Model (%)						
Overall	21.58%	19.66% * (7.212)	21.32% * (-6.548)	22.08% * (-3.286)	18.64% * (-15.487)	-13.62%
American Indian	6.03%	7.17% (-0.823)	7.37% (-0.147)	5.16% * (2.198)	4.66% (-0.570)	-22.77%
Asian	16.54%	12.04% * (3.566)	14.70% * (-2.689)	15.23% (-0.561)	14.82% (-0.450)	-10.41%
Hispanic	6.97%	5.84% (0.857)	6.75% (-0.807)	6.08% (0.698)	5.79% (-0.321)	-16.87%
African American	3.72%	2.80% (1.487)	3.33% (-1.053)	3.37% (-0.071)	2.63% (-1.728)	-29.25%
Caucasian	22.75%	21.49% * (4.358)	23.14% * (-5.895)	24.23% * (-4.279)	20.53% * (-14.923)	-9.75%
Low Achiever Model (%)						
Overall	21.42%	20.65% * (2.873)	19.83% * (3.235)	19.20% * (2.844)	19.68% * (2.206)	-8.12%
American Indian	49.58%	46.32% (1.180)	49.04% (-1.041)	46.29% (1.327)	45.47% (-0.404)	-8.29%
Asian	34.69%	36.86% (-1.267)	36.07% (0.558)	31.88% * (3.341)	28.88% * (-2.516)	-16.74%
Hispanic	51.06%	48.64% (0.902)	51.06% (-1.037)	50.29% (0.392)	48.83% (-0.778)	-4.37%
African American	68.13%	68.02% (0.072)	64.75% * (2.356)	60.33% * (3.473)	58.84% (-1.214)	-13.64%
Caucasian	18.69%	16.14% * (9.669)	15.53% * (2.496)	14.90% * (2.929)	15.25% (1.666)	-18.40%
Pass Rate Model (%)						
Overall	78.58%	70.46% * (28.281)	71.47% * (-3.520)	70.58% * (3.476)	68.95% * (-6.411)	-12.25%
American Indian	50.42%	42.65% * (2.828)	40.44% (0.861)	38.40% (0.998)	39.03% (0.314)	-22.59%
Asian	65.31%	53.96% * (6.498)	52.86% (0.749)	56.53% * (-2.771)	58.22% (1.318)	-10.85%
Hispanic	48.94%	39.27% * (3.651)	38.21% (0.465)	36.83% (0.723)	35.86% (-0.532)	-26.72%
African American	31.87%	21.74% * (6.795)	26.54% * (-3.845)	26.35% (0.163)	28.51% (1.921)	-10.52%
Caucasian	81.31%	75.15% * (21.603)	75.97% * (-2.821)	75.22% * (2.892)	73.76% * (-5.628)	-9.29%

* mean difference is significant at 95% significance level t-statistics are in parentheses
sources : Minnesota Basic Standards Test, Spring 1996, 1997, 1998, 1999 and 2000
Comparisons are for current year and adjacent previous year

Table B-6b Means of Dependent Variables : Basic Standards Test, Reading 1996-2000

	1996	1997	1998	1999	2000	% changes from 1996 to 2000
Mean Test Score Model (% correct)						
Overall	72.70	75.11 * (-20.726)	78.28 * (-28.474)	80.90 * (-27.058)	82.57 * (18.325)	13.57%
American Indian	61.99	64.77 * (-2.551)	65.39 (-0.590)	68.55 * (-3.804)	71.15 * (3.137)	14.77%
Asian	66.84	65.63 (1.633)	69.56 * (-6.584)	72.98 * (-6.523)	76.48 * (7.205)	14.42%
Hispanic	61.10	64.10 * (-2.875)	64.89 (-0.875)	67.15 * (-2.747)	70.81 * (4.605)	15.90%
African American	54.54	57.15 * (-3.753)	61.04 * (-6.547)	63.30 * (-4.002)	68.27 * (9.117)	25.17%
Caucasian	73.75	77.05 * (-28.452)	80.11 * (-27.923)	82.87 * (-28.991)	84.55 * (19.175)	14.64%
High Achiever Model (%)						
Overall	18.59%	17.45% * (4.437)	18.63% * (-4.849)	21.74% * (-13.871)	24.33% * (11.173)	30.92%
American Indian	7.27%	6.28% (0.684)	6.10% (0.139)	6.00% (0.102)	8.95% * (2.721)	23.12%
Asian	13.65%	11.44% (1.835)	10.17% (1.390)	12.52% * (-2.795)	15.87% * (3.719)	16.26%
Hispanic	7.47%	4.58% * (2.198)	6.14% (-1.508)	7.53% (-1.408)	8.97% (1.389)	20.10%
African American	3.38%	3.84% (-0.715)	3.72% (0.219)	5.48% * (-3.185)	7.50% * (3.254)	122.03%
Caucasian	19.53%	18.98% (1.956)	20.32% * (-4.945)	23.80% * (-14.073)	26.80% * (11.545)	37.21%
Low Achiever Model (%)						
Overall	20.36%	20.57% (-0.748)	19.06% * (5.947)	18.50% * (2.544)	20.25% * (8.021)	-0.55%
American Indian	41.85%	42.91% (-0.375)	41.70% (0.458)	41.88% (-0.091)	45.96% * (1.993)	9.81%
Asian	33.01%	41.55% * (-4.877)	37.08% * (3.116)	36.42% (0.521)	36.77% (0.280)	11.37%
Hispanic	42.86%	41.61% (0.460)	46.04% (-1.905)	45.15% (0.457)	46.54% (0.736)	8.59%
African American	56.90%	57.87% (-0.562)	52.14% * (3.931)	52.98% (-0.635)	51.28% (-1.355)	-9.89%
Caucasian	18.23%	16.51% * (6.468)	15.48% * (4.122)	14.50% * (4.588)	15.74% * (5.836)	-13.65%
Pass Rate Model (%)						
Overall	64.94%	60.40% * (14.077)	68.70% * (-27.298)	75.52% * (-27.182)	79.75% * (18.318)	22.80%
American Indian	40.85%	34.82% * (2.168)	38.69% (-1.484)	47.69% * (-4.355)	54.04% * (3.049)	32.28%
Asian	52.77%	39.39% * (7.517)	47.61% * (-5.654)	55.04% * (-5.584)	63.23% * (6.428)	19.83%
Hispanic	39.12%	34.81% (1.630)	39.01% (-1.854)	46.09% * (-3.635)	53.46% * (3.880)	36.65%
African American	27.39%	23.22% * (2.734)	31.89% * (-6.687)	38.73% * (-5.439)	48.72% * (8.008)	77.91%
Caucasian	67.18%	64.59% * (7.740)	72.83% * (-26.070)	79.89% * (-27.775)	84.26% * (19.028)	25.41%

* mean difference is significant at 95% significance level t-statistics are in parentheses
sources : Minnesota Basic Standard Test, Spring 1996, 1997, 1998, 1999 and 2000
Comparisons are for current year and adjacent previous year

Table B-6' Means of Dependent Variables : Basic Standards Test 1996-1999 (excluding St. Paul area)

	1996		1997		1998		1999		% changes from 1996 to 1999	
	Mathematics	Reading	Mathematics	Reading	Mathematics	Reading	Mathematics	Reading	Mathematics	Reading
Mean Test Score Model (% correct)										
Overall	79.78	72.70	80.55 * (-7.719)	75.69 * (-25.659)	80.09 * (4.522)	78.84 * (-28.234)	79.84 * (2.539)	81.47 * (-27.275)	0.06%	12.07%
American Indian	67.63	61.99	69.69 * (-2.116)	65.01 * (-2.718)	65.83 * (3.949)	65.48 (-0.431)	64.85 (1.111)	68.73 * (-3.843)	-4.11%	10.87%
Asian	74.85	66.84	76.70 * (-2.839)	69.14 * (-2.910)	75.83 (1.350)	73.35 * (-5.973)	76.51 (-1.075)	76.47 * (-5.103)	2.22%	14.41%
Hispanic	67.67	61.10	68.05 (-0.386)	64.41 * (-3.064)	65.52 * (2.584)	65.76 (-1.339)	63.85 (1.806)	67.84 * (-2.298)	-5.65%	11.03%
African American	59.50	54.54	60.63 (-1.718)	57.90 * (-4.640)	57.49 * (4.853)	61.59 * (-5.575)	57.44 (0.064)	64.18 * (-4.103)	-3.46%	17.68%
Caucasian	80.93	73.75	82.04 * (-11.343)	77.17 * (-29.363)	81.69 * (3.530)	80.22 * (-27.596)	81.59 (0.938)	82.97 * (-28.931)	0.82%	12.50%
High Achiever Model (%)										
Overall	21.58%	18.59%	20.15% * (5.281)	17.80% * (3.028)	21.88% * (-6.607)	19.07% * (-5.065)	22.63% * (-3.129)	22.25% * (-13.733)	4.87%	19.70%
American Indian	6.03%	7.27%	7.54% (-1.060)	6.64% (0.423)	7.68% (-0.095)	6.16% (0.353)	4.89% * (2.714)	5.68% (0.487)	-18.91%	-21.90%
Asian	16.54%	13.65%	15.60% (0.666)	14.22% (-0.421)	19.11% * (-2.633)	13.14% (0.888)	19.40% (-0.222)	16.13% * (-2.623)	17.28%	18.13%
Hispanic	6.97%	7.47%	5.73% (0.911)	4.22% * (2.433)	7.13% (-1.130)	6.32% (-1.875)	6.65% (0.438)	7.77% (-1.319)	-4.59%	4.08%
African American	3.72%	3.38%	3.05% (1.026)	4.10% (-1.052)	3.57% (-0.886)	4.27% (-0.268)	3.49% (0.135)	6.00% * (-2.684)	-6.03%	77.79%
Caucasian	22.75%	19.53%	21.58% * (4.016)	19.00% (1.894)	23.26% * (-5.915)	20.35% * (-4.977)	24.32% * (-4.099)	23.85% * (-13.956)	6.89%	22.15%
Low Achiever Model (%)										
Overall	21.42%	20.36%	19.27% * (8.013)	19.28% * (4.007)	18.42% * (3.342)	17.90% * (5.453)	18.00% (1.896)	17.32% * (2.660)	-15.96%	-14.96%
American Indian	49.58%	41.85%	45.45% (1.473)	42.83% (-0.338)	48.35% (-1.088)	41.49% (0.489)	45.94% (1.145)	41.48% (0.003)	-7.34%	-0.88%
Asian	34.69%	33.01%	29.96% * (2.622)	34.58% (-0.851)	27.11% (1.786)	29.26% * (3.209)	24.82% (1.613)	28.74% (0.352)	-28.44%	-12.93%
Hispanic	51.06%	42.86%	46.82% (1.524)	40.10% (0.983)	48.39% (-0.620)	43.83% (-1.474)	48.88% (-0.224)	44.39% (-0.259)	-4.28%	3.57%
African American	68.13%	56.90%	66.55% (0.946)	56.50% (0.224)	62.86% * (2.365)	51.28% * (3.216)	59.62% * (2.261)	51.49% * (-4.142)	-12.50%	-9.51%
Caucasian	18.69%	18.23%	15.72% * (11.249)	16.17% * (7.702)	15.21% * (2.072)	15.23% * (3.727)	14.63% * (2.665)	14.28% * (4.436)	-21.70%	-21.67%
Pass Rate Model (%)										
Overall	78.58%	64.94%	71.88% * (23.152)	61.65% * (10.099)	72.93% * (-3.621)	69.99% * (-26.970)	71.88% * (4.113)	76.79% * (-26.846)	-8.53%	18.24%
American Indian	50.42%	40.85%	43.52% * (2.469)	35.33% (1.946)	41.04% (0.941)	39.01% (-1.369)	39.02% (0.968)	47.95% * (-4.227)	-22.62%	17.36%
Asian	65.31%	52.77%	62.17% (1.692)	47.36% * (2.772)	61.88% (0.166)	56.19% * (-4.992)	64.06% (-1.393)	63.56% * (-4.643)	-1.92%	20.44%
Hispanic	48.94%	39.12%	40.29% * (3.131)	35.06% (1.475)	41.06% (-0.310)	41.32% * (-2.508)	38.22% (1.336)	46.98% * (-2.618)	-21.90%	20.07%
African American	31.87%	27.39%	23.18% * (5.448)	24.47% (1.834)	28.58% * (-3.801)	33.05% * (-5.870)	27.39% (0.893)	40.00% * (-4.880)	-14.04%	46.06%
Caucasian	81.31%	67.18%	75.57% * (19.789)	64.86% * (6.896)	76.30% * (-2.511)	73.08% * (-25.745)	75.52% * (3.021)	80.12% * (-27.46)	-7.13%	19.25%

* mean difference is significant at 95% significance level
t-statistics are in parentheses
sources : Minnesota Basic Standards Test, Spring 1996, 1997, 1998, 1999
Comparisons are for current year and adjacent previous year

Table B-7: Means of Percent Correct of Subitems: Basic Standards Test 1996-2000

Variables	race	1996	1997	t-value**	1998	t-value***	1999	t-value****	2000	t-value*****	1998 Vs. 2000 t-value*****
Mathematics											
% Whole Number & Fraction	Overall	84.70	83.09 *	12.893	81.94 *	9.166	86.53 *	-41.041	78.99 *	-68.553	-25.934 *
	American Indian	71.72	71.45	0.240	67.53 *	3.214	71.72 *	-4.087	65.79 *	-5.965	-1.731
	Asian	80.55	75.86 *	6.270	70.67 *	7.625	79.34 *	-13.739	73.63 *	-9.694	4.791 *
	Hispanic	71.76	67.62 *	3.378	65.72	1.668	70.35 *	-4.633	64.52 *	-6.145	-1.266
	African American	63.62	60.60 *	3.711	58.89 *	2.339	63.87 *	-7.107	59.53 *	-6.731	0.968
	Caucasian	85.87	85.24 *	5.198	84.29 *	7.826	88.84 *	-42.714	81.25 *	-71.218	-27.264 *
% Percentage & Ratio	Overall	69.87	71.98 *	-13.616	70.43 *	10.347	71.93 *	-10.791	72.83 *	6.485	17.745 *
	American Indian	53.80	57.45 *	-2.694	56.09	1.065	54.96	1.054	58.22 *	3.045	2.047 *
	Asian	63.42	66.19 *	-2.980	63.36 *	3.802	63.82	-0.657	67.79 *	5.768	6.560 *
	Hispanic	54.66	58.02 *	-2.506	54.20 *	3.300	52.74	1.426	57.82 *	5.078	3.638 *
	African American	45.11	49.00 *	-4.793	47.43 *	2.234	46.77	0.981	51.61 *	7.384	6.418 *
	Caucasian	71.31	74.09 *	-17.644	72.57 *	9.991	74.55 *	-14.051	75.21 *	4.688	19.144 *
% Number Sense	Overall	81.00	83.58 *	-21.722	76.34 *	60.010	80.55 *	-32.116	77.30 *	-25.480	7.329 *
	American Indian	67.77	75.63 *	-7.007	59.72 *	15.326	63.85 *	-3.627	63.81	-0.034	3.696 *
	Asian	75.52	78.32 *	-3.674	70.32 *	12.724	75.45 *	-7.548	71.20 *	-6.489	1.283
	Hispanic	68.33	74.26 *	-5.112	59.23 *	15.094	61.84 *	-2.358	59.53 *	-2.208	0.278
	African American	56.94	69.37 *	-15.338	52.32 *	26.723	58.30 *	-8.323	55.66 *	-3.816	4.754 *
	Caucasian	82.31	84.98 *	-22.508	78.53 *	53.083	82.84 *	-32.911	79.84 *	-23.642	9.951 *
% Estimation	Overall	70.37	71.73 *	-9.739	79.48 *	-55.725	73.02 *	51.847	80.59 *	65.557	9.646 *
	American Indian	60.42	62.23	-1.425	67.81 *	-4.314	61.28 *	6.276	71.99 *	11.442	4.171 *

	Asian	63.95	61.84 *	2.648	75.23 *	-18.564	65.89 *	14.370	78.43 *	22.297	5.508 *
	Hispanic	59.24	59.18	0.052	65.57 *	-5.566	57.83 *	7.525	71.09 *	14.756	5.821 *
	African American	53.43	49.98 *	4.529	58.54 *	-11.334	52.14 *	8.908	67.34 *	24.877	12.781 *
	Caucasian	71.41	73.90 *	-17.523	81.26 *	-52.659	75.15 *	48.897	82.00 *	58.134	6.360 *
<hr/>											
% Measurement	Overall	81.59	80.77 *	7.152	71.63 *	72.771	82.36 *	-91.475	75.13 *	-62.960	28.743 *
	American Indian	70.64	70.33	0.284	57.52 *	11.405	68.81 *	-11.536	60.78 *	-8.106	3.247 *
	Asian	78.19	75.80 *	3.548	62.19 *	20.659	77.76 *	-24.841	71.00 *	-11.728	13.810 *
	Hispanic	70.52	68.50	1.805	57.13 *	10.898	67.61 *	-11.101	59.67 *	-8.675	2.714 *
	African American	63.78	61.61 *	2.919	48.84 *	19.464	60.45 *	-18.290	54.61 *	-9.529	9.144 *
	Caucasian	82.59	82.53	0.541	73.82 *	69.217	84.44 *	-91.104	77.41 *	-61.430	29.233 *
<hr/>											
% Tables & Graphs	Overall	87.76	86.72 *	10.778	82.95 *	35.665	85.51 *	-24.065	82.70 *	-27.462	-2.378 *
	American Indian	76.96	78.28	-1.300	69.06 *	8.894	72.82 *	-3.686	70.28 *	-2.682	1.259
	Asian	83.59	80.57 *	4.783	73.32 *	11.811	80.09 *	-11.050	81.06	1.860	13.177 *
	Hispanic	76.73	76.44	0.275	67.04 *	9.176	71.26 *	-4.204	71.05	-0.241	4.299 *
	African American	68.39	70.85 *	-3.307	59.29 *	16.523	65.49 *	-8.644	66.47	1.566	10.701 *
	Caucasian	88.82	88.27 *	5.865	85.23 *	30.593	87.50 *	-22.682	84.45 *	-30.443	-7.453 *
<hr/>											
% Chance & Data	Overall	76.28	78.69 *	-16.644	82.67 *	-27.646	71.22 *	81.827	80.24 *	65.313	-20.125 *
	American Indian	63.16	63.44	-0.193	67.12 *	-2.570	52.32 *	12.509	67.18 *	13.129	0.057
	Asian	71.31	70.04	1.468	73.86 *	-4.774	64.59 *	12.505	74.82 *	14.507	1.420
	Hispanic	63.69	63.81	-0.087	66.22	-1.906	51.17 *	13.684	64.05 *	12.179	-2.087 *
	African American	55.83	53.09 *	3.168	58.50 *	-6.620	45.04 *	18.046	60.72 *	22.650	3.088 *
	Caucasian	77.46	81.13 *	-25.601	84.97 *	-27.309	73.88 *	79.278	82.55 *	62.251	-20.564 *
<hr/>											
% Shape & Space	Overall	88.55	80.99 *	63.332	89.68 *	-77.181	78.14 *	107.441	80.98 *	24.186	-82.733 *
	American Indian	79.25	73.09 *	5.108	79.26 *	-5.532	66.38 *	12.869	68.09	1.674	-11.506 *

Asian	83.17	76.06 *	9.215	83.95 *	-12.536	73.54 *	17.604	77.10 *	6.030	-12.244 *
Hispanic	79.06	71.81 *	5.921	79.30 *	-7.200	64.69 *	15.419	67.00 *	0.015	-13.759 *
African American	70.70	61.93 *	9.954	70.90 *	-12.312	58.37 *	18.059	62.11 *	5.737	-12.982 *
Caucasian	89.55	82.64 *	58.912	91.32 *	-79.464	80.03 *	107.578	83.10 *	25.965	-79.981 *

Reading

% Literal	Overall	73.44	78.07 *	-38.812	76.66 *	12.245	81.48 *	-48.039	84.14 *	29.576	75.446 *
	American Indian	62.74	68.07 *	-4.718	63.28 *	4.503	70.08 *	-8.086	73.36 *	3.969	11.664 *
	Asian	67.30	68.80	-1.951	68.07	1.167	74.89 *	-12.742	79.49 *	9.729	22.272 *
	Hispanic	60.92	67.11 *	-5.696	62.41 *	4.879	68.76 *	-7.478	73.20 *	5.562	13.077 *
	African American	54.21	60.31 *	-8.369	58.60 *	2.744	64.70 *	-10.560	70.38 *	10.313	50.513 *
	Caucasian	74.54	79.98 *	-45.806	78.56 *	12.365	83.29 *	-47.688	85.98 *	30.763	75.491 *

% Inferential	Overall	70.98	69.51 *	11.253	82.06 *	-104.905	78.16 *	33.513	79.63 *	12.531	-24.288 *
	American Indian	60.24	58.59	1.368	70.33 *	-10.278	61.33 *	8.683	67.03 *	5.454	-3.649 *
	Asian	65.74	59.69 *	7.495	73.03 *	-20.892	63.97 *	13.879	70.89 *	10.607	-3.901 *
	Hispanic	61.44	58.41 *	2.591	70.59 *	-12.563	59.56 *	11.338	66.37 *	6.954	-5.072 *
	African American	55.31	51.17 *	5.493	66.73 *	-24.499	56.68 *	15.091	64.34 *	11.718	-4.027 *
	Caucasian	71.92	71.49 *	3.203	83.75 *	-102.428	80.87 *	25.216	81.90 *	8.912	-18.918 *

* mean difference is significant at 95% significance level

** mean difference between 1996 and 1997

*** mean difference between 1997 and 1998

**** mean difference between 1998 and 1999

***** mean difference between 1999 and 2000

***** mean difference between 1998 and 2000

Source : Minnesota Basic Standards Test Scores, Spring 1996, 1997, 1998, 1999 and 2000

Table B-7' : Means of Percent Correct of Subitems: Basic Standards Test 1996-1999 (excluding St. Paul area)

Variables	race	1996	1997	t-value**	1998	t-value***	1999	t-value****
Mathematics								
% Whole Number & Fraction	Overall	84.70	83.89 *	6.482	82.75 *	9.131	87.20 *	-40.044
	American Indian	71.72	72.05	-0.248	67.90 *	3.238	71.84 *	-3.773
	Asian	80.55	80.67	-0.160	76.14 *	6.080	83.13 *	-9.762
	Hispanic	71.76	68.71 *	2.412	66.96	1.408	71.31 *	-3.953
	African American	63.62	62.24	1.624	59.98 *	2.780	64.59 *	-5.860
	Caucasian	85.87	85.50 *	3.105	84.47 *	8.366	89.00 *	-42.343
	% Percentage & Ratio	Overall	69.87	72.65 *	-17.828	71.12 *	10.161	72.65 *
	American Indian	53.80	58.21 *	-3.199	56.40	1.382	55.01	1.276
	Asian	63.42	70.32 *	-6.987	67.95 *	2.706	68.14	-0.220
	Hispanic	54.66	58.83 *	-2.988	55.64 *	2.543	53.78	1.661
	African American	45.11	49.74 *	-5.445	48.25	1.896	47.39	1.129
	Caucasian	71.31	74.30 *	-18.832	72.81 *	10.282	74.69 *	-13.900
% Number Sense	Overall	81.00	84.04 *	-25.440	77.07 *	57.354	81.11 *	-30.647
	American Indian	67.77	76.03 *	-7.325	60.07 *	15.109	64.12 *	-3.496
	Asian	75.52	80.71 *	-6.519	74.65 *	8.309	78.09 *	-4.322
	Hispanic	68.33	74.55 *	-5.204	60.96 *	12.350	63.02	-1.701
	African American	56.94	69.85 *	-15.567	53.11 *	23.524	58.42 *	-6.612
	Caucasian	82.31	85.13 *	-23.704	78.74 *	52.332	82.96 *	-32.083
% Estimation	Overall	70.37	72.33 *	-13.910	80.01 *	-54.672	73.52 *	51.661
	American Indian	60.42	62.35	-1.493	68.27 *	-4.488	61.37 *	6.533
	Asian	63.95	64.64	-0.799	78.39 *	-16.438	68.99 *	12.371
	Hispanic	59.24	59.42	-0.146	66.58 *	-5.721	58.62 *	7.076
	African American	53.43	50.38 *	3.807	58.90 *	-10.049	52.13 *	8.345
	Caucasian	71.41	74.06 *	-18.542	81.38 *	51.993	75.20 *	49.143
% Measurement	Overall	81.59	81.32 *	2.353	72.29 *	71.480	82.95 *	-90.435
	American Indian	70.64	70.75	-0.097	57.87 *	11.211	69.23 *	-11.432
	Asian	78.19	78.83	-0.869	66.37 *	16.313	80.60 *	-19.266
	Hispanic	70.52	68.96	1.339	58.19 *	9.442	68.76 *	-10.254
	African American	63.78	62.49	1.656	49.16 *	18.262	60.83 *	-16.309
	Caucasian	82.59	82.69	-0.906	73.96 *	69.026	84.60 *	-90.823

% Tables & Graphs	Overall	87.76	87.17 *	6.048	83.69 *	33.364	86.06 *	-22.485
	American Indian	76.96	78.59	-1.593	69.38 *	8.718	72.94 *	-3.416
	Asian	83.59	83.33	0.385	78.28 *	7.409	82.81 *	-6.609
	Hispanic	76.73	76.57	0.140	68.44 *	7.237	72.11 *	-3.375
	African American	68.39	71.57 *	-4.134	60.08 *	14.782	66.34 *	-7.785
	Caucasian	88.82	88.38 *	4.701	85.38 *	30.084	87.61 *	-22.261
% Chance & Data	Overall	76.28	79.42 *	-21.623	83.42 *	-27.761	72.02 *	81.104
	American Indian	63.16	64.22	-0.735	67.40 *	-2.181	52.63 *	12.244
	Asian	71.31	74.32 *	-3.226	78.93 *	-5.106	69.93 *	10.687
	Hispanic	63.69	64.45	-0.545	67.57 *	-2.258	52.37 *	12.458
	African American	55.83	53.89 *	2.132	59.44 *	-6.085	45.74 *	16.258
	Caucasian	77.46	81.32 *	-26.796	85.13 *	-26.924	74.07 *	78.635
% Shape & Space	Overall	88.55	81.38 *	59.846	90.21 *	-78.528	78.64 *	107.819
	American Indian	79.25	73.48 *	4.763	79.52 *	-5.369	66.47 *	12.793
	Asian	83.17	78.45 *	5.815	87.42 *	-12.914	75.98 *	17.117
	Hispanic	79.06	71.54 *	5.897	80.59 *	-8.098	65.33 *	14.894
	African American	70.70	62.34 *	9.158	71.63 *	-11.511	58.84 *	16.439
	Caucasian	89.55	82.69 *	58.132	91.43 *	-79.466	80.14 *	107.162
Reading								
% Literal	Overall	73.44	78.67 *	-43.790	77.23 *	12.402	82.01 *	-47.561
	American Indian	62.74	68.35 *	-4.868	63.33 *	4.582	70.26 *	-8.081
	Asian	67.30	72.46 *	-6.410	72.07	0.548	78.00 *	-9.486
	Hispanic	60.92	67.47 *	-5.798	63.25 *	4.024	69.44 *	-6.676
	African American	54.21	61.24 *	-9.273	59.18 *	2.964	65.59 *	-9.920
	Caucasian	74.54	80.11 *	-46.731	78.66 *	12.514	83.39 *	-47.479
% Inferential	Overall	70.98	70.05 *	7.052	82.58 *	-103.983	78.94 *	31.286
	American Indian	60.24	58.76	1.202	70.49 *	-10.015	61.51 *	8.478
	Asian	65.74	62.93 *	3.218	76.33 *	-17.582	69.31 *	9.138
	Hispanic	61.44	58.66 *	2.307	71.62 *	-12.373	60.27 *	10.738
	African American	55.31	51.64 *	4.668	67.20 *	-22.049	57.54 *	12.998
	Caucasian	71.92	71.59 *	2.436	83.85 *	-101.611	80.99 *	24.920

* mean difference is significant at 95% significance level

** mean difference between 1996 and 1997

*** mean difference between 1997 and 1998

**** mean difference between 1998 and 1999

Source : Minnesota Basic Standards Test Scores, Spring 1996, 1997, 1998, 1999

Table B-8a Comparison of School Characteristics By Improvement-Mathematics(School level)

	2 year (1998 vs. 2000)			3 year (1998 vs. 1999 Vs. 2000)		
	Improved	Not Improved	<i>t-statistics</i>	Improved	Not Improved	<i>t-statistics</i>
Free / Reduced Lunch Receiver Rate in School						
Overall	35.0629	28.8073 *	-2.995	38.0173	30.4014 *	-2.810
American Indian	36.9388	31.9585	-1.363	41.5011	34.1474	-1.467
Asian	29.1249	19.5431 *	-3.387	32.3500	22.4668 *	-2.005
Hispanic	28.1669	24.4476	-1.289	25.1567	26.2671	0.268
African American	35.4602	21.9322 *	-3.399	40.6287	26.6994 *	-2.450
Caucasian	32.1490	28.7897	-1.689	31.6735	29.7204	-0.747
% Indian In School						
Overall	3.9342	4.0695	0.114	5.0866	3.7658	0.460
American Indian	9.6465	6.4323	-1.179	12.5662	9.4588	-0.737
Asian	1.4604	1.1976	-0.740	1.4146	1.4023	-0.026
Hispanic	1.4471	1.9628	0.663	1.8537	1.2924	-1.158
African American	2.5432	3.0421	0.342	2.8621	2.8099	-0.042
Caucasian	3.6815	2.6025	-1.147	1.5273	3.1589 *	2.415
% Asian In School						
Overall	3.9559	2.3136 *	-2.484	5.4147	2.5809 *	-2.096
American Indian	5.5713	3.2903	-1.866	7.5516	4.1193	-1.604
Asian	7.3490	4.1918 *	-2.651	11.9083	5.7991 *	-2.184
Hispanic	6.4185	4.2361	-1.885	5.5067	5.8109	0.180
African American	9.1702	4.6250 *	-3.177	10.9769	6.4161 *	-2.122
Caucasian	3.0422	2.9246	-0.191	2.3851	3.0698	0.864
% Hispanic In School						
Overall	2.6122	2.5444	-0.099	1.7913	2.7504	1.747
American Indian	2.3444	3.5243	0.804	1.4434	1.9400	1.039
Asian	2.3795	2.2784	-0.224	2.6137	2.2889	-0.493
Hispanic	4.6932	3.0990	-1.545	5.2364	4.2512	-0.647
African American	3.3038	2.4851	-1.015	3.6532	3.0475	-0.628
Caucasian	2.0743	2.2602	0.355	2.2145	2.1797	-0.042
% Black In School						
Overall	7.3561	3.4249 *	-2.893	6.8665	4.9460	-1.108
American Indian	7.9687	5.8910	-0.963	10.1800	6.7790	-0.915
Asian	9.8710	4.0257	-3.097	9.2486	7.3209	-0.730
Hispanic	8.3685	4.1555 *	-2.392	8.0580	6.0792	-0.886
African American	16.8867	7.4437 *	-3.024	20.7052	11.7825 *	-2.264
Caucasian	4.8295	3.7712	-0.918	4.5929	3.9816	-0.335
School Math Top Quintile						
Overall	0.2332	0.2520	0.474	0.1529	0.2630 *	2.432
American Indian	0.1591	0.1667	0.134	0.1111	0.1532	0.553
Asian	0.2458	0.3580	1.716	0.2571	0.3382	0.913
Hispanic	0.2574	0.2900	0.516	0.2258	0.2740	0.549
African American	0.2021	0.3582 *	2.227	0.1707	0.3143	1.754
Caucasian	0.2634	0.2491	-0.499	0.1974	0.2647	1.230
School Math Bottom Quintile						
Overall	0.1256	0.0976	-0.963	0.1059	0.1120	0.162
American Indian	0.1023	0.1071	0.104	0.1111	0.0901	-0.333
Asian	0.0678	0.0247	-1.486	0.0571	0.0368	-0.540
Hispanic	0.0594	0.0300	-1.007	0.0323	0.0411	0.228
African American	0.1489	0.0746	-1.514	0.2195	0.0857	-1.885
Caucasian	0.1024	0.0648	-1.427	0.0789	0.0775	-0.042

School Reading Top Quintile

Overall	0.2152	0.2764	1.534	0.1647	0.2656	1.955
American Indian	0.1932	0.1786	-0.245	0.0741	0.1892	1.813
Asian	0.2627	0.3333	1.075	0.3143	0.3088	-0.062
Hispanic	0.2475	0.3000	0.832	0.1935	0.2877	1.068
African American	0.2340	0.3582	1.724	0.2195	0.3238	1.241
Caucasian	0.2439	0.2672	0.564	0.2105	0.2674	1.032

School Reading Bottom Quintile

Overall	0.1211	0.1016	-0.669	0.1059	0.1120	0.162
American Indian	0.1136	0.1190	0.110	0.1111	0.1081	-0.045
Asian	0.0763	0.0247	-1.716	0.0571	0.0441	-0.324
Hispanic	0.0792	0.0300	-1.538	0.0645	0.0479	-0.379
African American	0.1596	0.0746	-1.703	0.2439	0.0857 *	-2.160
Caucasian	0.1073	0.0607	-1.759	0.0921	0.0749	-0.511

Charter School

Overall	0.0177	0.0159	-0.155	0.0000	0.0208	1.342
American Indian	0.0000	0.0000		0.0000	0.0000	
Asian	0.0085	0.0000	-0.828	0.0000	0.0074	0.506
Hispanic	0.0000	0.0000		0.0000	0.0000	
African American	0.0316	0.0000	-1.469	0.0488	0.0095	-1.110
Caucasian	0.0193	0.0119	-0.630	0.0132	0.0134	0.015

High School

Overall	0.3496	0.4563 *	2.383	0.3529	0.4271	1.255
American Indian	0.5795	0.5294	-0.660	0.5556	0.5676	0.112
Asian	0.7119	0.7778	1.037	0.7714	0.7868	0.195
Hispanic	0.6238	0.7300	1.612	0.6129	0.7534	1.601
African American	0.6947	0.7612	0.927	0.7073	0.7429	0.434
Caucasian	0.3671	0.4683 *	2.189	0.3947	0.4358	0.659

Rural Area

Overall	0.5221	0.4008 *	-2.672	0.6000	0.4297 *	-2.869
American Indian	0.3523	0.2588	-1.332	0.3704	0.2793	-0.925
Asian	0.1864	0.1728	-0.244	0.2000	0.1029	-1.322
Hispanic	0.1683	0.2200	0.924	0.0968	0.1575	0.865
African American	0.0316	0.0448	0.436	0.0000	0.0000	
Caucasian	0.5604	0.3968 *	-3.533	0.5921	0.4492 *	-2.283

Urban Area

Overall	0.1903	0.1270	-1.886	0.1765	0.1484	-0.648
American Indian	0.2614	0.2235	-0.577	0.2963	0.2523	-0.464
Asian	0.2797	0.1728	-1.748	0.3429	0.2353	-1.297
Hispanic	0.3168	0.1200 *	-3.463	0.3548	0.2123	-1.698
African American	0.4316	0.2537 *	-2.350	0.5122	0.3238 *	-2.129
Caucasian	0.1208	0.1389	0.572	0.0921	0.1337	0.993

Suburban Area

Overall	0.2876	0.4722 *	4.209	0.2235	0.4219 *	3.434
American Indian	0.3864	0.5176	1.740	0.3333	0.4685	1.266
Asian	0.5339	0.6543	1.696	0.4571	0.6618 *	2.244
Hispanic	0.5149	0.6600 *	2.102	0.5484	0.6301	0.847
African American	0.5368	0.7015 *	2.128	0.4878	0.6762 *	2.129
Caucasian	0.3188	0.4643 *	3.195	0.3158	0.4171	1.645

Table B-8b Comparison of School Characteristics By Improvement-Reading(School level)

	2 year (1998 vs. 2000)			3 year (1998 vs. 1999 Vs. 2000)		
	Improved	Not Improved	t-statistics	Improved	Not Improved	t-statistics
Free / Reduced Lunch Receiver Rate in School						
Overall	30.8167	36.7750	0.129	28.2238	34.5891 *	3.089
American Indian	35.7925	33.2843	-0.662	37.3671	35.2912	-0.444
Asian	26.9645	20.8907 *	-2.167	26.2783	23.8404	-0.679
Hispanic	26.8257	25.9579	-0.280	28.4439	25.2818	-0.762
African American	33.3361	22.4506 *	-2.675	34.4680	28.0308	-1.340
Caucasian	29.0413	43.1589 *	3.146	26.4120	33.5916 *	3.738
% Indian In School						
Overall	3.3764	7.0715	1.528	3.0203	4.5364	1.366
American Indian	9.0385	6.7430	-0.802	16.1498	8.1290	-1.738
Asian	1.5301	0.9133	-1.605	1.4476	1.3851	-0.152
Hispanic	1.4059	2.2980	0.877	1.4777	1.2956	-0.472
African American	2.4634	3.3061	0.466	2.4922	3.0467	0.447
Caucasian	2.8946	5.7661	1.123	2.5134	3.1675	0.825
% Asian In School						
Overall	3.1578	2.5495	-0.604	3.7446	2.4691 *	-1.982
American Indian	5.2699	3.2474	-1.698	5.6005	4.5929	-0.640
Asian	7.3021	2.9793 *	-4.314	7.2587	6.9501	-0.193
Hispanic	5.9056	4.6549	-1.022	6.6379	5.7224	-0.620
African American	8.3491	4.8935 *	-2.349	8.4041	6.7663	-1.017
Caucasian	2.9113	3.6457	0.709	3.2952	2.6394	-1.100
% Hispanic In School						
Overall	2.2357	6.1922	1.752	2.5721	2.8016	0.321
American Indian	2.1610	3.7248	0.920	1.4592	2.0068	1.189
Asian	2.3156	2.3952	0.162	2.0677	2.5572	0.981
Hispanic	4.6013	2.7764 *	-2.026	5.7577	3.9108	-1.217
African American	3.1118	2.6297	-0.512	2.6323	3.5785	1.150
Caucasian	1.9931	4.0082	1.510	1.8081	2.4709	1.286
% Black In School						
Overall	5.3344	4.8853	-0.215	4.9867	5.5618	0.433
American Indian	8.2402	5.0731	-1.572	5.8393	8.0253	0.824
Asian	8.7351	4.3941	-1.873	9.2345	7.0144	-0.868
Hispanic	6.9128	6.5459	-0.181	8.3634	6.5287	-0.758
African American	16.8479	4.4771 *	-4.856	19.4897	11.5466	-1.919
Caucasian	3.8909	7.8308	1.530	3.2607	4.5092	1.227
School Math Top Quintile						
Overall	0.2596	0.1111 *	-3.079	0.2412	0.2438	0.065
American Indian	0.1429	0.2000	0.973	0.1176	0.1569	0.556
Asian	0.2676	0.3509	1.167	0.3333	0.3162	-0.221
Hispanic	0.2276	0.3378	1.693	0.2553	0.2734	0.238
African American	0.2364	0.3269	1.217	0.2041	0.3158	1.418
Caucasian	0.2652	0.1220 *	-2.552	0.2634	0.2455	-0.433
School Math Bottom Quintile						
Overall	0.0938	0.2407 *	2.432	0.0746	0.1446 *	2.451
American Indian	0.1048	0.0924	-0.262	0.0882	0.0882	0.000
Asian	0.0634	0.0175	-1.698	0.0556	0.0342	-0.599
Hispanic	0.0569	0.0405	-0.505	0.1277	0.0156 *	-2.222
African American	0.1364	0.0769	-1.195	0.1633	0.0947	-1.205
Caucasian	0.0657	0.2439 *	2.583	0.0357	0.1161 *	3.101
School Reading Top Quintile						

Overall	0.2692	0.0741 *	-4.641	0.2368	0.2562	0.486
American Indian	0.1619	0.2308	1.114	0.1765	0.1667	-0.131
Asian	0.2887	0.2982	0.133	0.3704	0.2821	-1.159
Hispanic	0.2520	0.2973	0.691	0.2979	0.2656	-0.422
African American	0.2636	0.3269	0.831	0.2653	0.3053	0.497
Caucasian	0.2749	0.0732 *	-4.320	0.2589	0.2589	0.000
School Reading Bottom Quintile						
Overall	0.0938	0.2222 *	2.182	0.0789	0.1364 *	2.019
American Indian	0.1143	0.1077	-0.132	0.0882	0.1078	0.324
Asian	0.0704	0.0175	-1.903	0.0556	0.0427	-0.367
Hispanic	0.0732	0.0405	-0.989	0.1489	0.0234 *	-2.316
African American	0.1455	0.0769	-1.362	0.1633	0.1158	-0.794
Caucasian	0.0681	0.2195 *	2.272	0.0466	0.1027 *	2.361
Charter School						
Overall	0.0118	0.0545	1.364	0.0000	0.0331 *	2.786
American Indian	0.0000	0.0000		0.0000	0.0000	
Asian	0.0070	0.0000	-0.633	0.0185	0.0000	-1.477
Hispanic	0.0000	0.0000		0.0000	0.0000	
African American	0.0270	0.0000	-1.195	0.0204	0.0211	0.026
Caucasian	0.0144	0.0244	0.399	0.0000	0.0268 *	2.477
High School						
Overall	0.4340	0.1818 *	-4.366	0.5219	0.3099 *	-4.768
American Indian	0.5810	0.5152	-0.840	0.5882	0.5588	-0.298
Asian	0.7465	0.7193	-0.393	0.8148	0.7692	-0.670
Hispanic	0.6748	0.7162	0.606	0.7447	0.7344	-0.137
African American	0.6847	0.7885	1.372	0.7347	0.7474	0.164
Caucasian	0.4436	0.2195 *	-2.789	0.5446	0.3170 *	-4.989
Rural Area						
Overall	0.4575	0.4364	-0.296	0.4079	0.5041 *	2.098
American Indian	0.3048	0.3182	0.184	0.3529	0.2843	-0.751
Asian	0.1761	0.1930	0.279	0.2037	0.0855	-1.935
Hispanic	0.1382	0.2568	1.978	0.1064	0.1484	0.714
African American	0.0180	0.0769	1.495	0.0000	0.0000	
Caucasian	0.4652	0.5346	0.872	0.4107	0.5402 *	2.761
Urban Area						
Overall	0.1439	0.2545	1.794	0.1404	0.1653	0.749
American Indian	0.2381	0.2576	0.287	0.1765	0.2843	1.244
Asian	0.2887	0.1053 *	-3.275	0.2407	0.2650	0.335
Hispanic	0.2602	0.1757	-1.368	0.3404	0.2188	-1.648
African American	0.3964	0.2692	-1.583	0.4286	0.3474	-0.950
Caucasian	0.1151	0.2683 *	2.134	0.0982	0.1518	1.716
Suburban Area						
Overall	0.3986	0.3091	-1.281	0.4518	0.3306 *	-2.708
American Indian	0.4571	0.4242	-0.419	0.4706	0.4314	-0.396
Asian	0.5352	0.7018 *	2.169	0.5556	0.6496	1.175
Hispanic	0.6016	0.5676	-0.468	0.5532	0.6328	0.955
African American	0.5856	0.6538	0.828	0.5714	0.6526	0.950
Caucasian	0.4197	0.1951 *	-3.343	0.4911	0.3080 *	-4.017

Source : Minnesota Basic Standards Test Score, Spring 1998, 1999 and 2000

Table B-9 : Mean Comparisons Between Excluded Cases and Included Cases in the Analyses

missing explanatory variables	Year	% Mathematics correct			% Reading Correct		
		Excluded (n)	Included (n)	<i>t-statistics</i>	Excluded (n)	Included (n)	<i>t-statistics</i>
free / reduced lunch	96	76.6816 (610)	79.8212 * (50547)	4.770	70.5622 (716)	72.7321 * (48606)	3.292
	97	70.5498 (311)	80.0353 * (41650)	9.639	65.3501 (297)	75.1851 * (40908)	8.953
	98	—	—		—	—	
	99	—	—		—	—	
number of schools attended	96	—	—		—	—	
	97	—	—		—	—	
	98	58.0171 (62)	79.4223 * (62481)	7.294	59.4298 (716)	78.2939 * (48606)	6.540
	99	—	—		—	—	

Sources : Minnesota Basic Standards Test Scores, Spring 1996, 1997, 1998, 1999

Table B-10 : Comparison for the Mean Test Scores by Primary Home Languages.

	Mathematics			Reading		
	English	Non-English	% difference	English	Non-English	% difference
1996						
Overall	80.07	67.37	18.85% *	73.03	57.69	26.58% *
American Indian	67.73	54.40	24.50%	62.07	46.25	34.20%
Asian	81.25	69.12	17.55% *	75.55	58.82	28.46% *
Hispanic	72.56	59.81	21.31% *	66.43	51.71	28.47% *
African American	59.69	53.86	10.82% *	54.75	48.72	12.36% *
Caucasian	80.95	77.29	4.73% *	73.77	66.41	11.09% *
1997						
Overall	80.57	67.77	18.88% *	75.89	59.57	27.38% *
American Indian	69.22	69.60	-0.55%	64.84	61.50	5.43%
Asian	83.60	68.71	21.68% *	79.64	59.29	34.33% *
Hispanic	72.56	60.71	19.52% *	69.48	56.23	23.57% *
African American	60.16	53.29	12.88% *	57.53	49.26	16.78% *
Caucasian	81.88	79.76	2.67%	77.07	72.26	6.66% *
1998						
Overall	80.19	63.52	26.26% *	79.07	62.29	26.95% *
American Indian	65.57	56.54	15.97%	65.43	60.00	9.05%
Asian	82.89	66.25	25.13% *	81.73	64.15	27.41% *
Hispanic	71.53	56.87	25.79% *	72.87	56.84	28.21% *
African American	57.68	44.08	30.85% *	61.81	50.39	22.65% *
Caucasian	81.57	73.31	11.27% *	80.16	70.14	14.28% *
1999						
Overall	79.98	65.09	22.89% *	81.71	65.57	24.62% *
American Indian	64.69	62.21	4.00%	68.53	70.50	-2.79%
Asian	83.65	68.73	21.70% *	85.36	67.77	25.95% *
Hispanic	69.71	56.28	23.88% *	74.46	60.05	23.99% *
African American	57.69	49.12	17.45% *	64.34	52.53	22.49% *
Caucasian	81.50	75.58	7.83% *	82.90	75.67	9.56% *

Source : Minnesota Basic Standards Test Scores, Spring 1996, 1997, 1998 and 1999

* mean difference is significant at 95% significance level

Tables B-11 : Mean Comparison of Test Scores by Individual Poverty

	1998			1999		
	Poor	Non-poor	% change	Poor	Non-poor	% change
Mean Test Scores						
Mathematics						
Overall	70.0593	81.3677	-13.90% *	68.5017	82.4037	-16.87% *
American Indian	62.1780	67.8114	-8.31% *	60.8761	70.5621	-13.73% *
Asian	67.1202	72.9229	-7.96% *	66.6359	81.5202	-18.26% *
Hispanic	59.6630	67.3404	-11.40% *	57.0354	70.3610	-18.94% *
African American	52.9766	61.0694	-13.25% *	52.8361	65.8483	-19.76% *
Caucasian	74.6005	82.6745	-9.77% *	73.7778	83.0426	-11.16% *
Reading						
Overall	69.2034	80.1823	-13.69% *	71.1179	83.8000	-15.13% *
American Indian	62.5857	67.3647	-7.09% *	65.4849	73.2616	-10.61% *
Asian	64.2604	71.5183	-10.15% *	66.0378	81.9895	-19.46% *
Hispanic	59.6337	68.5164	-12.96% *	61.4129	74.4737	-17.54% *
African American	57.1622	65.4671	-12.69% *	59.1207	72.3184	-18.25% *
Caucasian	72.8947	81.3015	-10.34% *	75.8277	84.3139	-10.07% *
Racial Gap						
Mathematics						
American Indian vs Caucasian	19.98%	21.92%	**	21.19%	17.69%	**
Asian vs Caucasian	11.14%	13.37%	**	10.72%	1.87%	**
Hispanic vs Caucasian	25.04%	22.77%	**	29.35%	18.02%	**
African American vs Caucasian	40.82%	35.38%	**	39.64%	26.11%	**
Reading						
American Indian vs Caucasian	16.47%	20.69%	**	15.79%	15.09%	**
Asian vs Caucasian	13.44%	13.68%	**	14.82%	2.83%	**
Hispanic vs Caucasian	22.24%	18.66%	**	23.47%	13.21%	**
African American vs Caucasian	27.52%	24.19%	**	28.26%	16.59%	**

* mean difference are significant at 95% significance level

** mean difference between Caucasian and each minority groups are significant at 95% significance level

Source : Minnesota Basic Standards Test Scores, Spring 1998 and 1999