

Analysis of Calibration Samples

The table below reports the performance of standard curriculum students on the core reading items only. The students are divided into two groups as calibration vs. all.

According to FCAT sampling specifications, the Standard Deviation Unit (SDU) of the scale-score mean difference, also known as effect-size, should be less than 0.20 when the calibration sample is compared to the population. All the effect sizes reported in the table are within the limits of this requirement except 2007 grade 10 reading.

Table 1. Reading--Calibration Sample vs. All Standard Curriculum Students

Grade	Year	Standard Curriculum Students in the Calibration Sample			Standard Curriculum Students in the State of Florida			Effect Size
		N	Mean	SD	N	Mean	SD	
3	2007	8,214	319.55	59.74	173,222	319.35	58.89	0.003
	2008	34,790	323.03	54.64	175,930	322.06	54.28	0.019
	2009	16,109	320.30	56.61	178,424	322.12	56.23	-0.033
	2010	12,694	322.95	55.19	180,244	322.72	55.87	0.004
4	2007	7,789	327.19	48.81	167,053	326.21	48.16	0.019
	2008	32,715	330.01	47.43	164,811	328.83	47.37	0.026
	2009	15,012	332.33	43.15	168,584	332.63	44.14	-0.007
	2010	16,748	332.48	48.96	171,132	332.12	49.29	0.007
5	2007	7,697	319.14	49.91	161,992	319.44	48.97	-0.006
	2008	33,483	315.49	50.85	166,417	315.02	50.91	0.010
	2009	14,714	319.35	51.96	164,651	320.98	51.55	-0.031
	2010	16,492	319.44	53.44	169,161	319.32	53.86	0.002
6	2007	8,062	315.88	52.86	167,794	316.14	51.42	-0.005
	2008	33,452	317.85	53.61	164,894	320.15	53.31	-0.045
	2009	15,503	323.10	50.62	169,147	321.71	50.86	0.027
	2010	12,579	328.01	55.28	167,907	324.47	54.81	0.066
7	2007	7,659	322.46	51.86	163,337	321.51	51.60	0.017
	2008	33,639	322.75	51.89	168,328	324.14	51.41	-0.028
	2009	15,856	327.21	49.80	166,213	325.94	50.13	0.025
	2010	16,947	332.98	53.52	170,368	330.32	53.06	0.052
8	2007	7,674	314.02	46.31	170,416	311.76	46.30	0.046
	2008	31,476	315.83	42.61	163,000	316.86	42.76	-0.025
	2009	15,731	322.38	43.34	167,889	319.25	44.41	0.070
	2010	16,361	322.94	45.78	166,494	319.89	44.85	0.070
9	2007	7,129	325.12	45.88	178,106	316.01	47.37	0.181
	2008	33,871	322.02	44.93	178,035	320.48	45.71	0.035
	2009	14,504	325.71	43.38	170,540	322.06	44.32	0.082
	2010	15,071	324.52	45.74	173,719	323.65	45.32	0.020
10	2007	5,965	322.00	56.37	162,842	308.95	56.02	0.217
	2008	30,563	318.42	56.98	163,094	314.18	57.06	0.078
	2009	13,942	320.30	51.71	170,540	322.06	44.32	-0.039
	2010	15,192	321.06	56.65	159,861	317.36	56.84	0.068

Analysis of Calibration Samples

The table below reports the performance of standard curriculum students on the core mathematics items only. The students are divided into two groups as calibration vs. all.

According to FCAT sampling specifications, the Standard Deviation Unit (SDU) of the scale-score mean difference, also known as effect-size, should be less than 0.20 when the calibration sample is compared to the population. All the effect sizes reported in the table below are within the limits of this requirement.

Table 2. Mathematics--Calibration Sample vs. All Standard Curriculum Students

Grade	Year	Standard Curriculum Students in the Calibration Sample			Standard Curriculum Students in the State of Florida			Effect Size
		N	Mean	SD	N	Mean	SD	
3	2007	8,249	337.17	64.09	173,349	336.63	62.87	0.008
	2008	34,671	343.49	60.89	176,042	341.84	60.90	0.028
	2009	16,062	344.21	61.65	178,564	345.82	62.00	-0.026
	2010	12,229	345.82	61.12	180,346	344.63	61.15	0.020
4	2007	7,735	328.47	54.65	167,235	328.14	53.60	0.006
	2008	32,767	334.99	56.31	164,905	332.79	56.00	0.041
	2009	14,976	336.77	53.42	168,694	337.93	54.17	-0.021
	2010	16,762	339.12	54.54	171,222	337.61	54.08	0.029
5	2007	7,884	338.15	44.49	162,036	339.98	42.94	-0.039
	2008	33,511	342.64	44.57	166,309	341.63	45.12	0.024
	2009	14,772	341.10	44.37	164,540	343.18	44.71	-0.046
	2010	16,892	343.83	45.02	169,031	343.40	44.50	0.010
6	2007	8,059	319.65	59.55	167,693	318.38	58.34	0.020
	2008	33,456	321.05	55.86	164,855	323.28	55.29	-0.042
	2009	15,498	326.29	53.73	169,007	325.39	55.33	0.016
	2010	12,576	333.10	55.31	167,867	328.03	55.24	0.093
7	2007	7,661	321.91	49.91	163,277	319.85	65.51	0.031
	2008	33,642	321.08	47.64	168,151	322.81	47.38	-0.038
	2009	15,862	323.44	47.59	166,127	321.96	49.26	0.030
	2010	16,959	325.59	49.13	170,296	322.21	49.78	0.070
8	2007	7,664	327.84	43.33	170,325	326.76	43.78	0.023
	2008	31,478	330.18	40.19	162,899	330.56	40.61	-0.010
	2009	15,731	330.87	38.33	167,681	329.19	39.70	0.042
	2010	16,357	333.79	38.12	166,479	330.80	38.45	0.079
9	2007	7,135	319.98	47.82	177,825	311.02	49.55	0.171
	2008	33,882	317.69	45.67	177,634	316.00	46.23	0.038
	2009	14,505	323.08	45.32	170,217	319.17	45.29	0.086
	2010	15,023	319.50	47.46	173,505	318.19	47.03	0.029
10	2007	5,931	336.14	36.01	162,278	328.96	37.98	0.179
	2008	30,571	334.21	34.52	162,639	332.18	35.85	0.059
	2009	13,931	336.45	34.37	164,023	332.57	36.24	0.107
	2010	15,162	338.30	36.48	159,505	335.61	35.46	0.079