

# Appendix K—DELTA ANALYSES AND RESCORE ANALYSIS RESULTS



**Table K-1. 2008-09 NECAP: Delta Analysis—Mathematics Grade 3**

<i>IREF</i>	<i>Max Number of Points</i>	<i>Last Usage P Old Mean</i>	<i>Current Usage P New Mean</i>	<i>Last Usage Delta Old Stdev</i>	<i>Current Usage Delta New Stdev</i>	<i>Effect Size</i>	<i>Abs Diff</i>	<i>Discard</i>
202089	2	1.0634	1.0537	0.9632	0.9329	-0.0101	0.0098	NO
231019	2	1.4439	1.4195	0.792	0.832	-0.0308	0.0244	NO
234216	2	0.9415	0.9463	0.898	0.8955	0.0054	0.0049	NO
242311	2	1.3415	1.2976	0.6481	0.6509	-0.0677	0.0439	NO
198507	2	1.5659	1.561	0.6565	0.657	-0.0074	0.0049	NO
242779	2	0.9415	0.9561	0.9352	0.9229	0.0156	0.0146	NO
256001	2	0.9463	0.9122	0.8335	0.8335	-0.041	0.0341	NO
198631	2	0.7707	0.7902	0.8211	0.8084	0.0238	0.0195	NO
198631	2	0.7707	0.7902	0.8211	0.8084	0.0238	0.0195	NO
198505	2	1.5122	1.4878	0.7366	0.7232	-0.0331	0.0244	NO
198521	2	0.8829	0.8732	0.8473	0.8574	-0.0115	0.0098	NO
257424	2	0.6585	0.6683	0.7843	0.7885	0.0124	0.0098	NO
223936	2	1.5024	1.478	0.6218	0.6369	-0.0392	0.0244	NO

**Table K-2. 2008-09 NECAP: Delta Analysis—Mathematics Grade 4**

<i>IREF</i>	<i>Max Number of Points</i>	<i>Last Usage P Old Mean</i>	<i>Current Usage P New Mean</i>	<i>Last Usage Delta Old Stdev</i>	<i>Current Usage Delta New Stdev</i>	<i>Effect Size</i>	<i>Abs Diff</i>	<i>Discard</i>
202368	2	1.0196	1.0539	0.7857	0.7554	0.0437	0.0343	NO
198445	2	1.3971	1.4853	0.7696	0.7308	0.1146	0.0882	NO
232429	2	1.2683	1.2634	0.8896	0.8828	-0.0055	0.0049	NO
224099	2	1.678	1.6634	0.6276	0.6835	-0.0233	0.0146	NO
198427	2	1.5073	1.5366	0.7498	0.7358	0.039	0.0293	NO
227082	2	1.3614	1.3663	0.5568	0.558	0.0089	0.005	NO
202370	2	0.9317	0.9366	0.8863	0.8839	0.0055	0.0049	NO
270069	2	1.0539	1.0245	0.8977	0.9044	-0.0328	0.0294	NO
198431	2	0.7756	0.9317	0.8195	0.7491	0.1905	0.1561	NO
227116	2	1.0439	1.0488	0.7734	0.7948	0.0063	0.0049	NO
255743	2	1.2524	1.3204	0.7723	0.7202	0.088	0.068	NO
202436	2	0.9024	0.8927	0.7192	0.738	-0.0136	0.0098	NO
202436	2	0.9024	0.8927	0.7192	0.738	-0.0136	0.0098	NO

**Table K-3. 2008-09 NECAP: Delta Analysis—Mathematics Grade 5**

<i>IREF</i>	<i>Max Number of Points</i>	<i>Last Usage P Old Mean</i>	<i>Current Usage P New Mean</i>	<i>Last Usage Delta Old Stdev</i>	<i>Current Usage Delta New Stdev</i>	<i>Effect Size</i>	<i>Abs Diff</i>	<i>Discard</i>
269407	4	1.3676	1.3922	1.4167	1.4393	0.0173	0.0245	NO
272113	2	0.797	0.7921	0.7729	0.7812	-0.0064	0.005	NO
230964	4	1.7171	1.722	1.151	1.1585	0.0042	0.0049	NO
255255	2	0.9366	0.8537	0.809	0.7638	-0.1025	0.0829	NO
255249	2	1.0294	0.9804	0.874	0.8964	-0.0561	0.049	NO
255150	2	0.7756	0.7756	0.8075	0.8135	0	0	NO
203621	2	0.5707	0.5951	0.797	0.8006	0.0306	0.0244	NO
269405	2	1.0847	1.0282	0.9136	0.9171	-0.0618	0.0565	NO
198603	2	1.3463	1.4	0.8335	0.7815	0.0644	0.0537	NO
198603	2	1.3463	1.4	0.8335	0.7815	0.0644	0.0537	NO
198569	4	1.5539	1.6078	1.2493	1.3406	0.0432	0.0539	NO
198566	2	0.8966	0.8621	0.862	0.8657	-0.04	0.0345	NO
203432	2	0.5441	0.4902	0.7878	0.7701	-0.0684	0.0539	NO
203432	2	0.5441	0.4902	0.7878	0.7701	-0.0684	0.0539	NO
269314	4	1.8676	1.8039	1.5137	1.5213	-0.0421	0.0637	NO
234368	2	0.7192	0.6552	0.8509	0.836	-0.0753	0.064	NO
234368	2	0.7192	0.6552	0.8509	0.836	-0.0753	0.064	NO
255178	2	1.0441	1.1127	0.8062	0.8177	0.0851	0.0686	NO
203855	4	1.8824	1.8578	1.2271	1.2023	-0.02	0.0245	NO

**Table K-4. 2008-09 NECAP: Delta Analysis—Mathematics Grade 6**

<i>IREF</i>	<i>Max Number of Points</i>	<i>Last Usage P Old Mean</i>	<i>Current Usage P New Mean</i>	<i>Last Usage Delta Old Stdev</i>	<i>Current Usage Delta New Stdev</i>	<i>Effect Size</i>	<i>Abs Diff</i>	<i>Discard</i>
225334	4	1.7192	1.6749	1.4971	1.4631	-0.0296	0.0443	NO
198727	2	0.6195	0.6146	0.7787	0.7669	-0.0063	0.0049	NO
198637	2	0.8878	0.9268	0.901	0.8942	0.0433	0.039	NO
270545	4	1.3676	1.348	1.2975	1.3141	-0.0151	0.0196	NO
271718	2	0.6488	0.6195	0.7009	0.6638	-0.0418	0.0293	NO
198665	2	0.5951	0.7122	0.7102	0.6402	0.1648	0.1171	NO
270596	4	1.678	1.5951	1.3006	1.3314	-0.0638	0.0829	NO
270694	2	1.3756	1.161	0.778	0.783	-0.2759	0.2146	NO
203259	2	1.1667	1.0735	0.8754	0.8629	-0.1064	0.0931	NO
225370	2	0.2718	0.2524	0.6638	0.6266	-0.0293	0.0194	NO
225370	2	0.2718	0.2524	0.6638	0.6266	-0.0293	0.0194	NO
198706	4	1.2745	1.2598	1.4863	1.484	-0.0099	0.0147	NO
198706	4	1.2745	1.2598	1.4863	1.484	-0.0099	0.0147	NO
203255	2	0.7366	0.7951	0.8316	0.8364	0.0704	0.0585	NO
255530	4	1.3951	1.4488	1.5633	1.5968	0.0343	0.0537	NO
203502	2	0.3756	0.3073	0.7193	0.6613	-0.0949	0.0683	NO
225371	2	0.4755	0.4853	0.8251	0.8134	0.0119	0.0098	NO
234419	2	1.2365	1.2857	0.8951	0.8917	0.055	0.0493	NO
234419	2	1.2365	1.2857	0.8951	0.8917	0.055	0.0493	NO
234414	4	1.7902	1.7756	1.347	1.3246	-0.0109	0.0146	NO

**Table K-5. 2008-09 NECAP: Delta Analysis—Mathematics Grade 7**

<i>IREF</i>	<i>Max Number of Points</i>	<i>Last Usage P Old Mean</i>	<i>Current Usage P New Mean</i>	<i>Last Usage Delta Old Stdev</i>	<i>Current Usage Delta New Stdev</i>	<i>Effect Size</i>	<i>Abs Diff</i>	<i>Discard</i>
225135	2	0.6585	0.6098	0.8557	0.8519	-0.057	0.0488	NO
224856	2	0.5343	0.549	0.8653	0.8646	0.017	0.0147	NO
255899	2	0.5415	0.5366	0.7016	0.7018	-0.007	0.0049	NO
256004	2	0.6244	0.6683	0.8325	0.8365	0.0527	0.0439	NO
206195	4	2.2634	2.2439	1.5707	1.5489	-0.0124	0.0195	NO
269312	2	0.5512	0.5659	0.6352	0.6712	0.023	0.0146	NO
225137	2	0.4853	0.5147	0.77	0.8253	0.0382	0.0294	NO
256015	4	1.0296	1.0493	1.2824	1.1942	0.0154	0.0197	NO
269083	4	0.8976	0.9122	1.1829	1.1943	0.0124	0.0146	NO
269083	4	0.8976	0.9122	1.1829	1.1943	0.0124	0.0146	NO
206189	2	0.7941	0.7843	0.8948	0.8532	-0.011	0.0098	NO
234455	2	0.5561	0.5366	0.5526	0.5272	-0.0353	0.0195	NO
256122	4	1.8293	2.1805	1.0523	1.2343	0.3337	0.3512	NO
199932	2	0.5756	0.6049	0.7394	0.7619	0.0396	0.0293	NO
206215	2	0.8235	0.8775	0.9332	0.9392	0.0578	0.0539	NO
256095	2	0.5931	0.5637	0.6232	0.619	-0.0472	0.0294	NO
206213	2	1.1225	1.2647	0.9019	0.8903	0.1576	0.1422	NO
206213	2	1.1225	1.2647	0.9019	0.8903	0.1576	0.1422	NO
224876	4	1.1379	1.069	1.4691	1.409	-0.0469	0.069	NO
224876	4	1.1379	1.069	1.4691	1.409	-0.0469	0.069	NO

**Table K-6. 2008-09 NECAP: Delta Analysis—Mathematics Grade 8**

<i>IREF</i>	<i>Max Number of Points</i>	<i>Last Usage P Old Mean</i>	<i>Current Usage P New Mean</i>	<i>Last Usage Delta Old Stdev</i>	<i>Current Usage Delta New Stdev</i>	<i>Effect Size</i>	<i>Abs Diff</i>	<i>Discard</i>
206240	2	1.5074	1.5222	0.8025	0.7773	0.0184	0.0148	NO
234148	2	0.7366	0.7024	0.5664	0.5879	-0.0603	0.0341	NO
206352	4	1.2573	1.3544	1.1728	1.0864	0.0828	0.0971	NO
256536	2	1.0878	1.122	0.9536	0.9212	0.0358	0.0341	NO
199783	2	0.6545	0.6303	0.5123	0.5306	-0.0473	0.0242	NO
269197	4	1.4537	1.4341	1.4697	1.4354	-0.0133	0.0195	NO
256062	2	0.6422	0.6422	0.7569	0.7439	0	0	NO
256107	4	1.7463	1.8195	1.5505	1.5017	0.0472	0.0732	NO
269172	2	0.0634	0.3122	0.2809	0.576	0.8857	0.2488	YES
269325	4	1.1912	1.1961	1.3568	1.3397	0.0036	0.0049	NO
206324	2	1.0833	1.1765	0.8448	0.8679	0.1103	0.0931	NO
206331	4	2.1854	2.1854	1.0931	1.1196	0	0	NO
224947	2	0.6878	0.6976	0.8668	0.8475	0.0113	0.0098	NO
269098	2	0.3951	0.4488	0.7424	0.8046	0.0723	0.0537	NO
269090	2	0.6829	0.7073	0.8216	0.7665	0.0297	0.0244	NO
206335	4	1.8382	1.8382	1.4479	1.5108	0	0	NO

**Table K-7. 2008-09 NECAP: Delta Analysis—Mathematics Grade 11**

<i>IREF</i>	<i>Max Number of Points</i>	<i>Last Usage P Old Mean</i>	<i>Current Usage P New Mean</i>	<i>Last Usage Delta Old Stdev</i>	<i>Current Usage Delta New Stdev</i>	<i>Effect Size</i>	<i>Abs Diff</i>	<i>Discard</i>
260008	2	0.561	0.5463	0.7207	0.6943	-0.0203	0.0146	NO
259998	4	1.0637	1.0294	1.4249	1.3752	-0.0241	0.0343	NO
270716	4	1.0683	1.0634	1.2078	1.202	-0.004	0.0049	NO
259936	2	0.161	0.1512	0.5118	0.5147	-0.0191	0.0098	NO
259986	4	1.5025	1.532	0.9436	0.9378	0.0313	0.0296	NO
259928	2	0.2488	0.2439	0.5424	0.5401	-0.009	0.0049	NO
259921	2	0.3284	0.3676	0.6223	0.6621	0.063	0.0392	NO
260009	4	2.0098	2.0293	1.2257	1.2607	0.0159	0.0195	NO
260675	2	0.2244	0.2098	0.4923	0.4838	-0.0297	0.0146	NO
260675	2	0.2244	0.2098	0.4923	0.4838	-0.0297	0.0146	NO
259958	4	0.7549	0.7598	1.2322	1.2549	0.004	0.0049	NO

**Table K-8. 2008-09 NECAP: Delta Analysis—Reading Grade 3**

<i>IREF</i>	<i>Max Number of Points</i>	<i>Last Usage P Old Mean</i>	<i>Current Usage P New Mean</i>	<i>Last Usage Delta Old Stdev</i>	<i>Current Usage Delta New Stdev</i>	<i>Effect Size</i>	<i>Abs Diff</i>	<i>Discard</i>
270066	4	1.5147	1.5539	0.7889	0.8237	0.0497	0.0392	NO
255338	4	3.2341	3.239	1.1744	1.1714	0.0042	0.0049	NO
255336	4	2.2341	2.7122	1.1191	1.0454	0.4272	0.478	NO
230973	4	1.8284	1.9412	1.0914	1.0876	0.1033	0.1127	NO
225242	4	3.6488	3.6488	0.6725	0.6725	0	0	NO
225253	4	1.8537	1.8	1.0491	1.0188	-0.0511	0.0537	NO
201764	4	2.4118	2.451	1.3781	1.3145	0.0285	0.0392	NO
270392	4	3.6195	3.6146	0.7269	0.7344	-0.0067	0.0049	NO
270404	4	2.0488	2.1366	1.1338	1.1815	0.0774	0.0878	NO

**Table K-9. 2008-09 NECAP: Delta Analysis—Reading Grade 4**

<i>IREF</i>	<i>Max Number of Points</i>	<i>Last Usage P Old Mean</i>	<i>Current Usage P New Mean</i>	<i>Last Usage Delta Old Stdev</i>	<i>Current Usage Delta New Stdev</i>	<i>Effect Size</i>	<i>Abs Diff</i>	<i>Discard</i>
225776	4	2.3234	2.3731	1.0074	1.0246	0.0494	0.0498	NO
225778	4	1.5245	1.4755	0.9622	0.9622	-0.0509	0.049	NO
270626	4	1.3756	1.4244	1.0171	1.0171	0.048	0.0488	NO
270511	4	2.6244	2.6146	1.1264	1.1317	-0.0087	0.0098	NO
270516	4	1.6927	1.6195	0.8429	0.8095	-0.0868	0.0732	NO
200843	4	2.478	2.2341	1.3273	1.3877	-0.1838	0.2439	NO
205951	4	2.7463	2.8049	1.2703	1.2419	0.0461	0.0585	NO
203684	4	1.6829	1.5805	1.1902	1.1389	-0.0861	0.1024	NO

**Table K-10. 2008-09 NECAP: Delta Analysis—Reading Grade 5**

<i>IREF</i>	<i>Max Number of Points</i>	<i>Last Usage P Old Mean</i>	<i>Current Usage P New Mean</i>	<i>Last Usage Delta Old Stdev</i>	<i>Current Usage Delta New Stdev</i>	<i>Effect Size</i>	<i>Abs Diff</i>	<i>Discard</i>
201937	4	1.8529	1.8382	1.0882	1.0186	-0.0135	0.0147	NO
202072	4	1.7402	1.8088	1.0319	1.0135	0.0665	0.0686	NO
202075	4	1.9461	2.0588	0.8117	0.8892	0.1389	0.1127	NO
201769	4	1.922	1.7024	1.0187	0.8913	-0.2155	0.2195	NO
256415	4	1.6098	1.4829	0.9339	0.8867	-0.1358	0.1268	NO
256370	4	1.5588	1.6275	0.8174	0.8393	0.084	0.0686	NO
269205	4	1.6127	1.6176	0.8756	0.9346	0.0056	0.0049	NO
226515	4	1.3463	1.3561	1.0131	0.9292	0.0096	0.0098	NO
226517	4	1.6716	1.6569	0.866	0.9074	-0.017	0.0147	NO

**Table K-11. 2008-09 NECAP: Delta Analysis—Reading Grade 6**

<i>IREF</i>	<i>Max Number of Points</i>	<i>Last Usage P Old Mean</i>	<i>Current Usage P New Mean</i>	<i>Last Usage Delta Old Stdev</i>	<i>Current Usage Delta New Stdev</i>	<i>Effect Size</i>	<i>Abs Diff</i>	<i>Discard</i>
226669	4	1.902	1.8431	0.8746	0.7508	-0.0673	0.0588	NO
269782	4	1.7718	1.8641	0.925	0.9456	0.0997	0.0922	NO
269778	4	1.9073	1.8244	1.0435	1.1168	-0.0795	0.0829	NO
200348	4	2.0439	1.9902	1.0136	0.9318	-0.0529	0.0537	NO
204026	4	1.9512	1.9561	0.813	0.8796	0.006	0.0049	NO
204022	4	1.8732	1.9415	0.9232	0.9088	0.074	0.0683	NO
269525	4	1.8927	1.922	0.8769	0.8965	0.0334	0.0293	NO
200324	4	2.0833	2.1373	1.0087	0.9955	0.0535	0.0539	NO
200325	4	1.7024	1.8	1.1323	1.1236	0.0862	0.0976	NO

**Table K-12. 2008-09 NECAP: Delta Analysis—Reading Grade 7**

<i>IREF</i>	<i>Max Number of Points</i>	<i>Last Usage P Old Mean</i>	<i>Current Usage P New Mean</i>	<i>Last Usage Delta Old Stdev</i>	<i>Current Usage Delta New Stdev</i>	<i>Effect Size</i>	<i>Abs Diff</i>	<i>Discard</i>
201535	4	1.9951	1.9608	1.0314	0.9894	-0.0333	0.0343	NO
270702	4	2.0293	2.0976	0.8718	0.9161	0.0783	0.0683	NO
270706	4	1.7073	1.6878	0.7537	0.7259	-0.0259	0.0195	NO
256108	4	1.878	1.7902	0.9727	0.8439	-0.0903	0.0878	NO
199535	4	1.878	1.8244	0.8023	0.8545	-0.0669	0.0537	NO
199536	4	2.0343	1.8775	0.8424	0.8223	-0.1862	0.1569	NO
201492	4	1.9951	1.9561	1.0887	0.9941	-0.0358	0.039	NO
201490	4	2.0634	1.9756	0.927	0.9548	-0.0947	0.0878	NO

**Table K-13. 2008-09 NECAP: Delta Analysis—Reading Grade 8**

<i>IREF</i>	<i>Max Number of Points</i>	<i>Last Usage P Old Mean</i>	<i>Current Usage P New Mean</i>	<i>Last Usage Delta Old Stdev</i>	<i>Current Usage Delta New Stdev</i>	<i>Effect Size</i>	<i>Abs Diff</i>	<i>Discard</i>
204155	4	1.9902	1.8971	1.0146	1.1264	-0.0918	0.0931	NO
269963	4	2.134	2.11	1.1159	1.1249	-0.0214	0.0239	NO
269964	4	1.9707	1.9707	1.0449	1.0771	0	0	NO
256003	4	2.2	2.1902	0.8746	0.9041	-0.0112	0.0098	NO
204128	4	1.8725	1.9314	1.1041	0.9626	0.0533	0.0588	NO
204133	4	2.152	2.1569	0.864	1.0121	0.0057	0.0049	NO

**Table K-14. 2008-09 NECAP: Delta Analysis—Reading Grade 11**

<i>IREF</i>	<i>Max Number of Points</i>	<i>Last Usage P Old Mean</i>	<i>Current Usage P New Mean</i>	<i>Last Usage Delta Old Stdev</i>	<i>Current Usage Delta New Stdev</i>	<i>Effect Size</i>	<i>Abs Diff</i>	<i>Discard</i>
258568	4	1.6108	1.7685	0.8072	0.8826	0.1953	0.1576	NO
258570	4	1.6488	1.6439	0.846	0.8639	-0.0058	0.0049	NO
269663	4	1.9366	2.0537	0.8839	0.9117	0.1324	0.1171	NO
258662	4	1.5659	1.5902	0.9008	0.9202	0.0271	0.0244	NO
258664	4	1.6293	1.6244	0.8549	0.8726	-0.0057	0.0049	NO
269465	4	1.8942	1.8942	0.8707	0.8978	0	0	NO