APPENDIX 6-H. RAW TO SCALED SCORE LOOK-UP TABLES

Table 6H-1. 2014–15 NCSC: Raw to Scaled Score Look-up Table—ELA Grade 3

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
01	0	-5.21	1200	1200	1222	1
	1	-4.50	1200	1200	1216	1
	2	-3.72	1200	1200	1211	1
	3	-3.06	1206	1200	1214	1
	4	-2.64	1211	1205	1217	1
	5	-2.33	1215	1210	1220	1
	6	-2.08	1218	1213	1223	1
	7	-1.86	1220	1216	1224	1
	8	-1.68	1222	1218	1226	1
	9	-1.51	1224	1220	1228	1
	10	-1.35	1226	1223	1229	1
	11	-1.20	1228	1225	1231	1
	12	-1.06	1230	1227	1233	1
	13	-0.92	1231	1228	1234	1
	14	-0.77	1233	1230	1236	1
	15	-0.63	1235	1232	1238	2
	16	-0.48	1236	1233	1239	2
	17	-0.33	1238	1235	1241	2
	18	-0.17	1240	1237	1243	3
	19	-0.01	1242	1239	1245	3
	20	0.15	1244	1241	1247	3
	21	0.31	1246	1243	1249	3
	22	0.47	1248	1245	1251	3
	23	0.66	1250	1247	1253	3
	24	0.88	1252	1248	1256	4
	25	1.16	1256	1252	1261	4
	26	1.56	1260	1254	1266	4
	27	2.14	1267	1259	1276	4
	28	3.10	1278	1264	1290	4
	29	4.00	1289	1269	1290	4
	30	4.00	1290	1270	1290	4
02	0	-5.13	1200	1200	1223	1
	1	-4.39	1200	1200	1216	1
	2	-3.54	1201	1200	1211	1
	3	-2.94	1208	1201	1215	1
	4	-2.55	1212	1206	1218	1
	5	-2.26	1216	1211	1221	1
	6	-2.03	1218	1214	1222	1
	7	-1.84	1221	1217	1225	1
	8	-1.66	1223	1219	1227	1
	9	-1.51	1224	1221	1228	1
	10	-1.36	1226	1223	1229	1
	11	-1.22	1228	1225	1231	1
	12	-1.08	1229	1226	1232	1
	13	-0.94	1231	1228	1234	1

continued

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
02	14	-0.81	1233	1230	1236	1
	15	-0.67	1234	1231	1237	2
	16	-0.54	1236	1233	1239	2
	17	-0.39	1237	1234	1240	2
	18	-0.24	1239	1236	1242	2
	19	-0.08	1241	1238	1244	3
	20	0.09	1243	1240	1246	3
	21	0.27	1245	1242	1248	3
	22	0.48	1248	1244	1252	3
	23	0.71	1250	1246	1254	3
	24	1.01	1254	1249	1259	4
	25	1.42	1259	1253	1265	4
	26	2.03	1266	1257	1275	4
	27	3.03	1278	1264	1290	4
	28	4.00	1289	1268	1290	4
	29	4.00	1290	1269	1290	4
03	0	-5.14	1200	1200	1222	1
	1	-4.43	1200	1200	1216	1
	2	-3.61	1200	1200	1210	1
	3	-3.00	1207	1200	1214	1
	4	-2.61	1211	1205	1217	1
	5	-2.32	1215	1210	1220	1
	6	-2.09	1218	1214	1222	1
	7	-1.89	1220	1216	1224	1
	8	-1.72	1222	1218	1226	1
	9	-1.56	1224	1221	1228	1
	10	-1.40	1226	1223	1229	1
	11	-1.26	1227	1224	1230	1
	12	-1.12	1229	1226	1232	1
	13	-0.98	1231	1228	1234	1
	14	-0.84	1232	1229	1235	1
	15	-0.70	1234	1231	1237	2
	16	-0.56	1236	1233	1239	2
	17	-0.41	1237	1234	1240	2
	18	-0.25	1239	1236	1242	2
	19	-0.08	1241	1238	1244	3
	20	0.10	1243	1240	1246	3
	21	0.28	1245	1242	1248	3
	22	0.48	1248	1245	1251	3
	23	0.70	1250	1247	1254	3
	24	0.94	1253	1249	1257	4
	25	1.24	1257	1253	1262	4
	26	1.63	1261	1256	1267	4
	27	2.21	1268	1260	1276	4
	28	3.27	1280	1266	1290	4
	29	4.00	1289	1270	1290	4
	30	4.00	1290	1271	1290	4
04	0	-4.93	1200	1200	1220	1

continued

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
04	1	-4.23	1200	1200	1214	1
	2	-3.42	1202	1200	1211	1
	3	-2.90	1208	1201	1215	1
	4	-2.55	1212	1207	1217	1
	5	-2.29	1215	1210	1220	1
	6	-2.07	1218	1214	1222	1
	7	-1.89	1220	1216	1224	1
	8	-1.72	1222	1218	1226	1
	9	-1.57	1224	1221	1227	1
	10	-1.43	1225	1222	1228	1
	11	-1.29	1227	1224	1230	1
	12	-1.16	1228	1225	1231	1
	13	-1.03	1230	1227	1233	1
	14	-0.90	1232	1229	1235	1
	15	-0.76	1233	1230	1236	1
	16	-0.62	1235	1232	1238	2
	17	-0.48	1236	1233	1239	2
	18	-0.33	1238	1235	1241	2
	19	-0.18	1239	1236	1242	2
	20	-0.02	1242	1239	1245	3
	21	0.15	1244	1241	1247	3
	22	0.31	1246	1243	1249	3
	23	0.49	1248	1245	1251	3
	24	0.68	1250	1247	1253	3
	25	0.91	1253	1249	1257	4
	26	1.20	1256	1251	1261	4
	27	1.64	1261	1255	1267	4
	28	2.34	1269	1260	1278	4
	29	3.68	1285	1267	1290	4
	30	4.00	1290	1270	1290	4

Table 6H-2. 2014–15 NCSC: Raw to Scaled Score Look-up Table—ELA Grade 4

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
01	0	-5.61	1200	1200	1225	1
	1	-4.90	1200	1200	1219	1
	2	-4.19	1200	1200	1215	1
	3	-3.39	1200	1200	1210	1
	4	-2.83	1206	1200	1214	1
	5	-2.43	1211	1205	1217	1
	6	-2.12	1214	1209	1219	1
	7	-1.87	1218	1213	1223	1
	8	-1.66	1220	1216	1224	1
	9	-1.47	1222	1218	1226	1

continued

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
01	10	-1.31	1224	1221	1227	1
	11	-1.16	1226	1223	1229	1
	12	-1.02	1228	1225	1231	1
	13	-0.88	1229	1226	1232	1
	14	-0.75	1231	1228	1234	1
	15	-0.62	1233	1230	1236	1
	16	-0.49	1234	1231	1237	2
	17	-0.35	1236	1233	1239	2
	18	-0.22	1237	1234	1240	2
	19	-0.08	1239	1236	1242	2
	20	0.07	1241	1238	1244	3
	21	0.21	1243	1240	1246	3
	22	0.37	1245	1242	1248	3
	23	0.54	1247	1244	1250	3
	24	0.73	1249	1245	1253	3
	25	0.98	1252	1248	1256	3
	26	1.31	1256	1251	1262	3
	27	1.76	1261	1254	1268	4
	28	2.40	1269	1259	1280	4
	29	3.40	1281	1265	1290	4
	30	4.00	1288	1268	1290	4
	31	4.00	1290	1270	1290	4
02	0	-5.52	1200	1200	1220	1
	1	-4.83	1200	1200	1216	1
	2	-4.14	1200	1200	1213	1
	3	-3.37	1200	1200	1209	1
	4	-2.83	1206	1200	1213	1
	5	-2.44	1211	1205	1217	1
	6	-2.14	1214	1209	1219	1
	7	-1.89	1217	1212	1222	1
	8	-1.68	1220	1216	1224	1
	9	-1.50	1222	1218	1226	1
	10	-1.34	1224	1220	1228	1
	11	-1.19	1226	1223	1229	1
	12	-1.05	1227	1224	1230	1
	13	-0.92	1229	1226	1232	1
	14	-0.79	1231	1228	1234	1
	15	-0.66	1232	1229	1235	1
	16	-0.54	1233	1230	1236	1
	17	-0.40	1235	1232	1238	2
	18	-0.27	1237	1234	1240	2
	19	-0.12	1239	1236	1242	2
	20	0.03	1240	1237	1243	3
	21	0.19	1242	1239	1246	3
	22	0.36	1244	1240	1248	3
	23	0.55	1247	1243	1251	3
	24	0.78	1249	1244	1254	3
	25	1.05	1253	1248	1258	3

continued

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
02	26	1.40	1257	1250	1264	3
	27	1.86	1263	1255	1271	4
	28	2.48	1270	1259	1281	4
	29	3.40	1281	1265	1290	4
	30	4.00	1288	1269	1290	4
	31	4.00	1290	1271	1290	4
03	0	-5.54	1200	1200	1225	1
	1	-4.71	1200	1200	1219	1
	2	-3.83	1200	1200	1213	1
	3	-3.02	1204	1200	1213	1
	4	-2.52	1210	1203	1217	1
	5	-2.16	1214	1209	1220	1
	6	-1.89	1217	1212	1222	1
	7	-1.68	1220	1216	1224	1
	8	-1.50	1222	1218	1226	1
	9	-1.34	1224	1221	1227	1
	10	-1.20	1226	1223	1229	1
	11	-1.07	1227	1224	1230	1
	12	-0.95	1229	1226	1232	1
	13	-0.83	1230	1227	1233	1
	14	-0.72	1231	1228	1234	1
	15	-0.60	1233	1230	1236	1
	16	-0.49	1234	1231	1237	2
	17	-0.37	1236	1233	1239	2
	18	-0.24	1237	1234	1240	2
	19	-0.11	1239	1236	1242	2
	20	0.02	1240	1237	1243	3
	21	0.17	1242	1239	1245	3
	22	0.33	1244	1241	1247	3
	23	0.50	1246	1243	1250	3
	24	0.70	1249	1245	1253	3
	25	0.93	1251	1247	1255	3
	26	1.21	1255	1250	1260	3
	27	1.56	1259	1254	1265	4
	28	2.00	1264	1257	1271	4
	29	2.69	1272	1263	1281	4
	30	4.00	1288	1271	1290	4
	31	4.00	1290	1273	1290	4
04	0	-5.17	1200	1200	1221	1
	1	-4.43	1200	1200	1216	1
	2	-3.61	1200	1200	1211	1
	3	-2.96	1204	1200	1212	1
	4	-2.52	1210	1203	1217	1
	5	-2.19	1214	1209	1220	1
	6	-1.92	1217	1212	1222	1
	7	-1.70	1220	1216	1224	1
	8	-1.51	1222	1218	1226	1
	9	-1.35	1224	1221	1227	1

continued

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
04	10	-1.20	1226	1223	1229	1
	11	-1.06	1227	1224	1230	1
	12	-0.93	1229	1226	1232	1
	13	-0.80	1230	1227	1233	1
	14	-0.68	1232	1229	1235	1
	15	-0.56	1233	1230	1236	1
	16	-0.44	1235	1232	1238	2
	17	-0.31	1236	1233	1239	2
	18	-0.19	1238	1235	1241	2
	19	-0.06	1239	1236	1242	2
	20	0.07	1241	1238	1244	3
	21	0.21	1243	1240	1246	3
	22	0.35	1244	1241	1247	3
	23	0.50	1246	1243	1249	3
	24	0.67	1248	1245	1252	3
	25	0.88	1251	1247	1255	3
	26	1.14	1254	1249	1259	3
	27	1.49	1258	1252	1264	4
	28	1.98	1264	1256	1272	4
	29	2.73	1273	1261	1285	4
	30	4.00	1288	1268	1290	4
	31	4.00	1290	1270	1290	4

Table 6H-3. 2014–15 NCSC: Raw to Scaled Score Look-up Table—ELA Grade 5

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
01	0	-5.34	1200	1200	1227	1
	1	-4.54	1200	1200	1219	1
	2	-3.65	1200	1200	1213	1
	3	-2.96	1205	1200	1214	1
	4	-2.51	1210	1203	1217	1
	5	-2.19	1214	1208	1220	1
	6	-1.94	1217	1212	1222	1
	7	-1.73	1220	1216	1225	1
	8	-1.55	1222	1218	1226	1
	9	-1.39	1224	1220	1228	1
	10	-1.24	1226	1222	1230	1
	11	-1.10	1228	1224	1232	1
	12	-0.96	1230	1226	1234	1
	13	-0.83	1232	1228	1236	2
	14	-0.70	1233	1229	1237	2
	15	-0.56	1235	1231	1239	2
	16	-0.43	1236	1232	1240	2
	17	-0.28	1238	1234	1242	2

continued

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
01	18	-0.13	1240	1236	1244	3
	19	0.04	1242	1238	1246	3
	20	0.23	1244	1239	1249	3
	21	0.43	1247	1242	1252	3
	22	0.67	1250	1244	1256	3
	23	0.95	1253	1247	1259	3
	24	1.29	1258	1251	1265	4
	25	1.71	1263	1254	1272	4
	26	2.27	1270	1259	1281	4
	27	3.08	1280	1265	1290	4
	28	4.00	1290	1270	1290	4
	29	4.00	1290	1270	1290	4
	30	4.00	1290	1270	1290	4
02	0	-5.48	1200	1200	1228	1
	1	-4.65	1200	1200	1220	1
	2	-3.76	1200	1200	1214	1
	3	-3.00	1204	1200	1213	1
	4	-2.53	1210	1203	1217	1
	5	-2.20	1214	1208	1220	1
	6	-1.94	1217	1212	1222	1
	7	-1.73	1220	1216	1225	1
	8	-1.54	1222	1218	1226	1
	9	-1.38	1224	1220	1228	1
	10	-1.23	1226	1222	1230	1
	11	-1.09	1228	1224	1232	1
	12	-0.95	1230	1226	1234	1
	13	-0.82	1232	1228	1236	2
	14	-0.69	1233	1229	1237	2
	15	-0.56	1235	1231	1239	2
	16	-0.42	1236	1232	1240	2
	17	-0.27	1238	1234	1242	2
	18	-0.12	1240	1236	1244	3
	19	0.04	1242	1238	1246	3
	20	0.22	1244	1239	1249	3
	21	0.43	1247	1242	1252	3
	22	0.66	1250	1244	1256	3
	23	0.93	1253	1247	1259	3
	24	1.27	1257	1250	1264	4
	25	1.69	1263	1254	1272	4
	26	2.27	1270	1259	1281	4
	27	3.13	1281	1265	1290	4
	28	4.00	1290	1269	1290	4
	29	4.00	1290	1269	1290	4
	30	4.00	1290	1269	1290	4
03	0	-5.23	1200	1200	1227	1
	1	-4.38	1200	1200	1218	1
	2	-3.43	1200	1200	1211	1
	3	-2.81	1207	1200	1215	1

continued

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
	4	-2.41	1212	1206	1218	1
	5	-2.12	1215	1210	1220	1
	6	-1.88	1218	1213	1223	1
	7	-1.69	1221	1217	1225	1
	8	-1.52	1223	1219	1227	1
	9	-1.36	1225	1221	1229	1
	10	-1.22	1226	1222	1230	1
	11	-1.09	1228	1224	1232	1
	12	-0.96	1230	1227	1234	1
	13	-0.84	1231	1228	1234	1
	14	-0.72	1233	1230	1236	2
	15	-0.60	1234	1231	1238	2
	16	-0.48	1236	1233	1240	2
	17	-0.36	1237	1233	1241	2
03	18	-0.23	1239	1235	1243	2
	19	-0.10	1240	1236	1244	3
	20	0.03	1242	1238	1246	3
	21	0.18	1244	1240	1248	3
	22	0.34	1246	1242	1250	3
	23	0.51	1248	1243	1253	3
	24	0.70	1250	1245	1255	3
	25	0.92	1253	1248	1258	3
	26	1.18	1256	1250	1262	4
	27	1.49	1260	1253	1267	4
	28	1.91	1265	1257	1274	4
	29	2.51	1273	1262	1284	4
	30	3.57	1286	1268	1290	4
	31	4.00	1290	1269	1290	4
	32	4.00	1290	1269	1290	4
	0	-5.26	1200	1200	1228	1
	1	-4.37	1200	1200	1219	1
	2	-3.38	1200	1200	1211	1
	3	-2.76	1207	1200	1215	1
	4	-2.35	1212	1206	1218	1
	5	-2.05	1216	1211	1221	1
	6	-1.82	1219	1214	1224	1
	7	-1.62	1222	1218	1226	1
	8	-1.44	1224	1220	1228	1
04	9	-1.28	1226	1222	1230	1
	10	-1.13	1228	1224	1232	1
	11	-0.99	1229	1225	1233	1
	12	-0.86	1231	1227	1235	1
	13	-0.72	1233	1229	1237	2
	14	-0.59	1234	1230	1238	2
	15	-0.45	1236	1232	1240	2
	16	-0.30	1238	1234	1242	2
	17	-0.15	1239	1235	1243	2
	18	0.01	1242	1238	1246	3

continued

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
	19	0.19	1244	1239	1249	3
	20	0.39	1246	1241	1251	3
	21	0.61	1249	1244	1254	3
	22	0.86	1252	1246	1258	3
	23	1.15	1255	1248	1262	3
04	24	1.51	1260	1252	1268	4
	25	1.97	1266	1257	1275	4
	26	2.62	1274	1262	1286	4
	27	3.70	1288	1270	1290	4
	28	4.00	1290	1270	1290	4
	29	4.00	1290	1270	1290	4

Table 6H-4. 2014–15 NCSC: Raw to Scaled Score Look-up Table—ELA Grade 6

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
	0	-5.01	1200	1200	1223	1
	1	-4.19	1200	1200	1216	1
	2	-3.28	1200	1200	1210	1
	3	-2.73	1204	1200	1211	1
	4	-2.37	1209	1203	1215	1
	5	-2.10	1212	1207	1217	1
	6	-1.89	1214	1210	1218	1
	7	-1.71	1217	1213	1221	1
	8	-1.55	1219	1215	1223	1
	9	-1.41	1220	1216	1224	1
	10	-1.27	1222	1219	1226	1
	11	-1.15	1224	1221	1227	1
	12	-1.03	1225	1222	1228	1
	13	-0.91	1227	1224	1230	1
01	14	-0.79	1228	1225	1231	1
	15	-0.68	1229	1226	1232	1
	16	-0.56	1231	1228	1235	2
	17	-0.43	1232	1229	1236	2
	18	-0.30	1234	1230	1238	2
	19	-0.17	1236	1232	1240	2
	20	-0.02	1238	1234	1242	2
	21	0.14	1239	1235	1243	2
	22	0.32	1242	1237	1247	3
	23	0.52	1244	1239	1249	3
	24	0.76	1247	1242	1253	3
	25	1.05	1251	1245	1257	3
	26	1.42	1255	1248	1262	4
	27	1.91	1261	1252	1270	4
	28	2.67	1271	1258	1284	4

continued

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
01	29	4.00	1287	1266	1290	4
	30	4.00	1290	1269	1290	4
02	0	-5.12	1200	1200	1226	1
	1	-4.16	1200	1200	1217	1
	2	-3.15	1200	1200	1210	1
	3	-2.59	1206	1200	1213	1
	4	-2.23	1210	1205	1215	1
	5	-1.98	1213	1209	1217	1
	6	-1.79	1216	1212	1220	1
	7	-1.63	1218	1215	1222	1
	8	-1.49	1219	1216	1222	1
	9	-1.36	1221	1218	1224	1
	10	-1.24	1223	1220	1226	1
	11	-1.12	1224	1221	1227	1
	12	-1.00	1225	1222	1228	1
	13	-0.89	1227	1224	1230	1
	14	-0.76	1228	1225	1231	1
	15	-0.64	1230	1227	1233	1
	16	-0.51	1232	1228	1236	2
	17	-0.37	1233	1229	1237	2
	18	-0.22	1235	1231	1239	2
	19	-0.05	1237	1233	1241	2
	20	0.13	1239	1235	1244	2
	21	0.33	1242	1237	1247	3
	22	0.57	1245	1240	1250	3
	23	0.84	1248	1242	1254	3
	24	1.18	1252	1245	1259	3
	25	1.61	1258	1250	1266	4
	26	2.19	1265	1254	1276	4
	27	3.08	1276	1261	1290	4
	28	4.00	1287	1267	1290	4
	29	4.00	1290	1270	1290	4
03	0	-5.00	1200	1200	1223	1
	1	-4.13	1200	1200	1216	1
	2	-3.20	1200	1200	1210	1
	3	-2.66	1205	1200	1212	1
	4	-2.31	1209	1203	1215	1
	5	-2.05	1212	1207	1217	1
	6	-1.85	1215	1211	1219	1
	7	-1.69	1217	1213	1221	1
	8	-1.54	1219	1216	1223	1
	9	-1.41	1220	1217	1223	1
	10	-1.29	1222	1219	1225	1
	11	-1.17	1223	1220	1226	1
	12	-1.06	1225	1222	1228	1
	13	-0.95	1226	1223	1229	1
	14	-0.84	1227	1224	1230	1
	15	-0.73	1229	1226	1232	1

continued

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
03	16	-0.61	1231	1228	1234	2
	17	-0.49	1232	1229	1235	2
	18	-0.36	1233	1229	1237	2
	19	-0.23	1235	1231	1239	2
	20	-0.08	1237	1233	1241	2
	21	0.09	1239	1235	1243	2
	22	0.28	1241	1236	1246	3
	23	0.49	1244	1239	1249	3
	24	0.74	1247	1241	1253	3
	25	1.04	1251	1245	1258	3
	26	1.43	1255	1247	1263	4
	27	1.94	1262	1252	1272	4
	28	2.72	1271	1258	1284	4
	29	4.00	1287	1266	1290	4
	30	4.00	1290	1269	1290	4
04	0	-5.06	1200	1200	1227	1
	1	-4.06	1200	1200	1217	1
	2	-3.04	1200	1200	1209	1
	3	-2.52	1207	1201	1213	1
	4	-2.19	1211	1206	1216	1
	5	-1.96	1214	1210	1218	1
	6	-1.78	1216	1212	1220	1
	7	-1.62	1218	1215	1221	1
	8	-1.49	1219	1216	1222	1
	9	-1.37	1221	1218	1224	1
	10	-1.26	1222	1219	1225	1
	11	-1.15	1224	1221	1227	1
	12	-1.04	1225	1222	1228	1
	13	-0.93	1226	1223	1229	1
	14	-0.82	1228	1225	1231	1
	15	-0.71	1229	1226	1232	1
	16	-0.59	1231	1228	1234	2
	17	-0.47	1232	1229	1235	2
	18	-0.34	1234	1231	1238	2
	19	-0.19	1235	1231	1239	2
	20	-0.03	1237	1233	1241	2
	21	0.14	1239	1235	1243	2
	22	0.35	1242	1237	1247	3
	23	0.60	1245	1240	1250	3
	24	0.91	1249	1243	1255	3
	25	1.32	1254	1246	1262	4
	26	1.92	1262	1252	1272	4
	27	2.88	1273	1258	1288	4
	28	4.00	1287	1265	1290	4
	29	4.00	1290	1268	1290	4

Table 6H-5. 2014–15 NCSC: Raw to Scaled Score Look-up Table—ELA Grade 7

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
01	0	-5.17	1200	1200	1225	1
	1	-4.30	1200	1200	1217	1
	2	-3.35	1201	1200	1212	1
	3	-2.73	1209	1201	1217	1
	4	-2.33	1214	1208	1220	1
	5	-2.05	1217	1212	1222	1
	6	-1.83	1220	1216	1224	1
	7	-1.65	1222	1218	1226	1
	8	-1.49	1224	1221	1227	1
	9	-1.36	1226	1223	1229	1
	10	-1.23	1227	1224	1230	1
	11	-1.12	1229	1226	1232	1
	12	-1.01	1230	1227	1233	1
	13	-0.90	1231	1228	1234	1
	14	-0.80	1233	1230	1236	1
	15	-0.69	1234	1231	1237	1
	16	-0.57	1236	1233	1239	2
	17	-0.45	1237	1234	1240	2
	18	-0.32	1238	1235	1241	2
	19	-0.18	1240	1236	1244	3
	20	-0.01	1242	1238	1246	3
	21	0.17	1245	1241	1249	3
	22	0.39	1247	1242	1252	3
	23	0.65	1250	1245	1256	3
	24	0.97	1255	1249	1262	4
	25	1.39	1259	1251	1267	4
	26	1.95	1266	1256	1276	4
	27	2.80	1277	1263	1290	4
	28	4.00	1290	1270	1290	4
	29	4.00	1290	1270	1290	4
02	0	-5.24	1200	1200	1225	1
	1	-4.39	1200	1200	1218	1
	2	-3.45	1200	1200	1212	1
	3	-2.79	1208	1200	1216	1
	4	-2.35	1214	1208	1220	1
	5	-2.04	1217	1212	1222	1
	6	-1.80	1220	1216	1224	1
	7	-1.62	1223	1219	1227	1
	8	-1.47	1224	1221	1227	1
	9	-1.34	1226	1223	1229	1
	10	-1.23	1227	1224	1230	1
	11	-1.12	1229	1226	1232	1
	12	-1.02	1230	1228	1233	1
	13	-0.93	1231	1229	1234	1
	14	-0.83	1232	1229	1235	1
	15	-0.73	1233	1230	1236	1

continued

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
	16	-0.63	1235	1232	1238	1
	17	-0.52	1236	1233	1239	2
	18	-0.41	1237	1234	1240	2
	19	-0.28	1239	1236	1242	2
	20	-0.14	1241	1238	1245	3
	21	0.01	1243	1239	1247	3
	22	0.18	1245	1241	1249	3
	23	0.37	1247	1242	1252	3
02	24	0.60	1250	1245	1255	3
	25	0.86	1253	1247	1259	3
	26	1.18	1257	1250	1264	4
	27	1.58	1262	1254	1270	4
	28	2.09	1268	1258	1278	4
	29	2.78	1277	1265	1290	4
	30	3.78	1289	1272	1290	4
	31	4.00	1290	1272	1290	4
	32	4.00	1290	1272	1290	4
	0	-5.25	1200	1200	1224	1
	1	-4.46	1200	1200	1218	1
	2	-3.59	1200	1200	1212	1
	3	-2.92	1207	1200	1215	1
	4	-2.48	1212	1206	1219	1
	5	-2.17	1216	1211	1221	1
	6	-1.93	1219	1214	1224	1
	7	-1.73	1221	1217	1225	1
	8	-1.57	1223	1219	1227	1
	9	-1.42	1225	1222	1229	1
	10	-1.29	1227	1224	1230	1
	11	-1.17	1228	1225	1231	1
	12	-1.05	1229	1226	1232	1
	13	-0.94	1231	1228	1234	1
	14	-0.83	1232	1229	1235	1
03	15	-0.72	1234	1231	1237	1
	16	-0.60	1235	1232	1238	1
	17	-0.48	1236	1233	1239	2
	18	-0.36	1238	1235	1241	2
	19	-0.23	1239	1236	1243	2
	20	-0.08	1241	1237	1245	3
	21	0.07	1243	1239	1247	3
	22	0.25	1246	1242	1250	3
	23	0.46	1248	1243	1253	3
	24	0.70	1251	1246	1256	3
	25	0.98	1255	1249	1261	4
	26	1.33	1259	1252	1266	4
	27	1.76	1264	1255	1273	4
	28	2.33	1271	1260	1282	4
	29	3.16	1281	1267	1290	4
	30	4.00	1290	1272	1290	4

continued

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
03	31	4.00	1290	1272	1290	4
04	0	-5.31	1200	1200	1224	1
	1	-4.50	1200	1200	1218	1
	2	-3.62	1200	1200	1213	1
	3	-2.92	1207	1200	1216	1
	4	-2.44	1212	1205	1219	1
	5	-2.10	1217	1211	1223	1
	6	-1.84	1220	1216	1225	1
	7	-1.64	1222	1218	1226	1
	8	-1.47	1224	1221	1227	1
	9	-1.33	1226	1223	1229	1
	10	-1.21	1228	1225	1231	1
	11	-1.09	1229	1226	1232	1
	12	-0.98	1230	1227	1233	1
	13	-0.87	1232	1229	1235	1
	14	-0.76	1233	1230	1236	1
	15	-0.64	1235	1232	1238	1
	16	-0.51	1236	1233	1239	2
	17	-0.37	1238	1235	1242	2
	18	-0.21	1239	1235	1243	2
	19	-0.03	1242	1238	1246	3
	20	0.18	1245	1240	1250	3
	21	0.42	1248	1243	1253	3
	22	0.70	1251	1245	1257	3
	23	1.03	1255	1248	1262	4
	24	1.42	1260	1252	1268	4
	25	1.92	1266	1256	1276	4
	26	2.56	1274	1262	1286	4
	27	3.49	1285	1269	1290	4
	28	4.00	1290	1272	1290	4
	29	4.00	1290	1272	1290	4

Table 6H-6. 2014–15 NCSC: Raw to Scaled Score Look-up Table—ELA Grade 8

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
01	0	-4.97	1200	1200	1221	1
	1	-4.28	1200	1200	1215	1
	2	-3.50	1200	1200	1210	1
	3	-2.95	1202	1200	1210	1
	4	-2.57	1207	1201	1213	1
	5	-2.30	1211	1206	1216	1
	6	-2.07	1213	1208	1218	1
	7	-1.89	1216	1212	1220	1
	8	-1.73	1218	1214	1222	1

continued

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
01	9	-1.58	1220	1216	1224	1
	10	-1.45	1221	1218	1225	1
	11	-1.32	1223	1220	1226	1
	12	-1.20	1224	1221	1227	1
	13	-1.09	1226	1223	1229	1
	14	-0.97	1227	1224	1230	1
	15	-0.85	1229	1226	1232	1
	16	-0.73	1230	1227	1233	2
	17	-0.60	1232	1229	1236	2
	18	-0.47	1234	1230	1238	2
	19	-0.33	1235	1231	1239	2
	20	-0.18	1237	1233	1241	2
	21	-0.02	1239	1235	1243	2
	22	0.16	1241	1236	1246	3
	23	0.36	1244	1239	1249	3
	24	0.58	1247	1241	1253	3
	25	0.84	1250	1244	1256	4
	26	1.15	1254	1247	1261	4
	27	1.53	1259	1251	1267	4
	28	2.03	1265	1255	1275	4
	29	2.75	1274	1261	1287	4
	30	4.00	1290	1270	1290	4
	31	4.00	1290	1270	1290	4
02	0	-5.34	1200	1200	1224	1
	1	-4.64	1200	1200	1218	1
	2	-3.93	1200	1200	1213	1
	3	-3.19	1200	1200	1209	1
	4	-2.74	1205	1200	1212	1
	5	-2.41	1209	1203	1215	1
	6	-2.15	1212	1207	1217	1
	7	-1.94	1215	1211	1220	1
	8	-1.76	1217	1213	1221	1
	9	-1.61	1219	1215	1223	1
	10	-1.46	1221	1217	1225	1
	11	-1.33	1223	1219	1227	1
	12	-1.20	1224	1221	1228	1
	13	-1.07	1226	1223	1229	1
	14	-0.95	1227	1224	1230	1
	15	-0.83	1229	1226	1232	1
	16	-0.71	1230	1227	1233	2
	17	-0.59	1232	1229	1236	2
	18	-0.47	1234	1230	1238	2
	19	-0.34	1235	1231	1239	2
	20	-0.20	1237	1233	1241	2
	21	-0.06	1239	1235	1243	2
	22	0.08	1241	1237	1245	3
	23	0.25	1243	1239	1247	3
	24	0.42	1245	1240	1250	3

continued

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
02	25	0.62	1247	1242	1252	3
	26	0.86	1250	1244	1256	4
	27	1.14	1254	1248	1260	4
	28	1.51	1258	1250	1266	4
	29	2.02	1265	1255	1275	4
	30	2.85	1275	1261	1289	4
	31	4.00	1290	1268	1290	4
	32	4.00	1290	1268	1290	4
03	0	-5.01	1200	1200	1221	1
	1	-4.31	1200	1200	1216	1
	2	-3.51	1200	1200	1211	1
	3	-2.94	1202	1200	1210	1
	4	-2.55	1207	1201	1213	1
	5	-2.27	1211	1206	1216	1
	6	-2.04	1214	1209	1219	1
	7	-1.84	1216	1212	1220	1
	8	-1.67	1218	1214	1222	1
	9	-1.52	1220	1216	1224	1
	10	-1.38	1222	1218	1226	1
	11	-1.25	1224	1221	1228	1
	12	-1.12	1225	1222	1229	1
	13	-0.99	1227	1224	1231	1
	14	-0.86	1229	1226	1233	1
	15	-0.73	1230	1226	1234	2
	16	-0.59	1232	1228	1236	2
	17	-0.45	1234	1230	1238	2
	18	-0.30	1236	1232	1240	2
	19	-0.15	1238	1234	1242	2
	20	0.01	1239	1235	1244	2
	21	0.19	1242	1237	1247	3
	22	0.37	1244	1239	1249	3
	23	0.58	1247	1242	1252	3
	24	0.80	1250	1244	1256	4
	25	1.06	1253	1247	1259	4
	26	1.36	1257	1250	1264	4
	27	1.72	1261	1253	1269	4
	28	2.20	1267	1257	1277	4
	29	2.89	1276	1263	1289	4
	30	4.00	1290	1271	1290	4
	31	4.00	1290	1271	1290	4
04	0	-5.32	1200	1200	1224	1
	1	-4.61	1200	1200	1218	1
	2	-3.85	1200	1200	1213	1
	3	-3.13	1200	1200	1209	1
	4	-2.67	1206	1200	1213	1
	5	-2.34	1210	1204	1216	1
	6	-2.09	1213	1208	1218	1
	7	-1.89	1216	1212	1220	1

continued

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
	8	-1.71	1218	1214	1222	1
	9	-1.55	1220	1216	1224	1
	10	-1.41	1222	1219	1226	1
	11	-1.28	1223	1220	1226	1
	12	-1.15	1225	1222	1228	1
	13	-1.03	1226	1223	1229	1
	14	-0.91	1228	1225	1231	1
	15	-0.80	1229	1226	1232	1
	16	-0.68	1231	1228	1234	2
	17	-0.55	1233	1230	1236	2
	18	-0.42	1234	1230	1238	2
	19	-0.29	1236	1232	1240	2
04	20	-0.14	1238	1234	1242	2
	21	0.01	1239	1235	1243	2
	22	0.19	1242	1238	1247	3
	23	0.38	1244	1239	1249	3
	24	0.60	1247	1242	1252	3
	25	0.85	1250	1244	1256	4
	26	1.14	1254	1247	1261	4
	27	1.50	1258	1250	1266	4
	28	1.95	1264	1255	1273	4
	29	2.56	1272	1260	1284	4
	30	3.49	1283	1267	1290	4
	31	4.00	1290	1271	1290	4
	32	4.00	1290	1271	1290	4

Table 6H-7. 2014–15 NCSC: Raw to Scaled Score Look-up Table—ELA Grade 11

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
	0	-4.97	1200	1200	1228	1
	1	-3.72	1201	1200	1214	1
	2	-2.82	1212	1205	1219	1
	3	-2.40	1217	1212	1222	1
	4	-2.13	1220	1216	1224	1
	5	-1.92	1222	1219	1225	1
	6	-1.76	1224	1221	1227	1
	7	-1.62	1226	1223	1229	1
01	8	-1.50	1227	1224	1230	1
	9	-1.39	1228	1226	1230	1
	10	-1.29	1229	1227	1231	1
	11	-1.20	1230	1228	1232	1
	12	-1.11	1231	1229	1233	1
	13	-1.02	1233	1231	1235	1
	14	-0.93	1234	1232	1236	1
	15	-0.84	1235	1233	1237	1
	16	-0.75	1236	1234	1238	2

continued

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
01	17	-0.65	1237	1235	1239	2
	18	-0.54	1238	1236	1241	2
	19	-0.42	1239	1236	1242	2
	20	-0.29	1241	1238	1244	3
	21	-0.13	1243	1240	1246	3
	22	0.06	1245	1241	1249	3
	23	0.31	1248	1244	1252	3
	24	0.64	1252	1247	1258	3
	25	1.16	1258	1250	1266	4
	26	2.22	1270	1256	1284	4
	27	4.00	1290	1260	1290	4
	28	4.00	1290	1260	1290	4
02	0	-5.08	1200	1200	1227	1
	1	-4.07	1200	1200	1216	1
	2	-3.04	1209	1201	1217	1
	3	-2.54	1215	1209	1221	1
	4	-2.23	1219	1215	1224	1
	5	-2.00	1221	1217	1225	1
	6	-1.82	1223	1220	1226	1
	7	-1.66	1225	1222	1228	1
	8	-1.52	1227	1224	1230	1
	9	-1.40	1228	1225	1231	1
	10	-1.28	1229	1226	1232	1
	11	-1.17	1231	1228	1234	1
	12	-1.07	1232	1229	1235	1
	13	-0.96	1233	1230	1236	1
	14	-0.86	1234	1231	1237	1
	15	-0.75	1236	1233	1239	2
	16	-0.64	1237	1234	1240	2
	17	-0.53	1238	1235	1241	2
	18	-0.41	1239	1236	1242	2
	19	-0.28	1241	1238	1244	3
	20	-0.14	1243	1240	1246	3
	21	0.03	1245	1242	1249	3
	22	0.22	1247	1243	1251	3
	23	0.45	1249	1245	1254	3
	24	0.76	1253	1248	1259	3
	25	1.19	1258	1251	1265	4
	26	1.86	1266	1256	1276	4
	27	3.10	1280	1262	1290	4
	28	4.00	1290	1266	1290	4
	29	4.00	1290	1266	1290	4
03	0	-4.99	1200	1200	1226	1
	1	-3.95	1200	1200	1215	1
	2	-2.97	1210	1202	1218	1
	3	-2.50	1215	1210	1220	1
	4	-2.20	1219	1215	1223	1
	5	-1.98	1221	1217	1225	1

continued

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
03	6	-1.80	1224	1221	1227	1
	7	-1.64	1225	1222	1228	1
	8	-1.51	1227	1224	1230	1
	9	-1.38	1228	1225	1231	1
	10	-1.27	1230	1227	1233	1
	11	-1.16	1231	1228	1234	1
	12	-1.05	1232	1229	1235	1
	13	-0.95	1233	1230	1236	1
	14	-0.84	1235	1232	1238	1
	15	-0.74	1236	1233	1239	2
	16	-0.63	1237	1234	1240	2
	17	-0.51	1238	1235	1241	2
	18	-0.39	1239	1236	1242	2
	19	-0.26	1241	1238	1244	3
	20	-0.12	1243	1240	1246	3
	21	0.04	1245	1242	1249	3
	22	0.23	1247	1243	1251	3
	23	0.47	1250	1246	1255	3
	24	0.76	1253	1248	1258	3
	25	1.17	1258	1251	1265	4
	26	1.80	1265	1255	1275	4
	27	2.91	1278	1262	1290	4
	28	4.00	1290	1266	1290	4
	29	4.00	1290	1266	1290	4
04	0	-4.59	1200	1200	1221	1
	1	-3.46	1204	1200	1214	1
	2	-2.79	1212	1206	1218	1
	3	-2.42	1216	1211	1221	1
	4	-2.16	1219	1215	1223	1
	5	-1.96	1222	1218	1226	1
	6	-1.79	1224	1221	1227	1
	7	-1.65	1225	1222	1228	1
	8	-1.52	1227	1224	1230	1
	9	-1.41	1228	1225	1231	1
	10	-1.30	1229	1226	1232	1
	11	-1.19	1230	1227	1233	1
	12	-1.09	1232	1229	1235	1
	13	-1.00	1233	1231	1236	1
	14	-0.90	1234	1232	1237	1
	15	-0.80	1235	1233	1238	1
	16	-0.71	1236	1233	1239	2
	17	-0.61	1237	1234	1240	2
	18	-0.50	1238	1235	1241	2
	19	-0.39	1239	1236	1242	2
	20	-0.28	1241	1238	1244	3
	21	-0.16	1242	1239	1245	3
	22	-0.02	1244	1241	1247	3
	23	0.13	1246	1243	1250	3

continued

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
04	24	0.30	1248	1244	1252	3
	25	0.49	1250	1246	1254	3
	26	0.72	1252	1247	1257	3
	27	1.00	1256	1251	1262	4
	28	1.37	1260	1253	1267	4
	29	1.89	1266	1257	1275	4
	30	2.83	1277	1264	1290	4
	31	4.00	1290	1268	1290	4

Table 6H-8. 2014–15 NCSC: Raw to Scaled Score Look-up Table—Mathematics Grade 3

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
01	0	-5.15	1200	1200	1225	1
	1	-4.40	1200	1200	1218	1
	2	-3.55	1200	1200	1213	1
	3	-2.92	1206	1200	1216	1
	4	-2.49	1211	1203	1219	1
	5	-2.16	1215	1208	1222	1
	6	-1.90	1219	1213	1225	1
	7	-1.68	1222	1216	1228	1
	8	-1.48	1224	1219	1229	1
	9	-1.31	1227	1222	1232	1
	10	-1.15	1229	1224	1234	1
	11	-1.00	1231	1227	1236	1
	12	-0.86	1232	1228	1236	1
	13	-0.73	1234	1230	1238	1
	14	-0.60	1236	1232	1240	2
	15	-0.48	1237	1233	1241	2
	16	-0.35	1239	1235	1243	2
	17	-0.24	1241	1237	1245	3
	18	-0.12	1242	1238	1246	3
	19	0.00	1244	1240	1248	3
	20	0.13	1245	1241	1249	3
	21	0.25	1247	1243	1251	3
	22	0.39	1249	1245	1253	3
	23	0.53	1251	1247	1256	3
	24	0.68	1253	1248	1258	3
	25	0.85	1255	1250	1260	4
	26	1.04	1257	1251	1263	4
	27	1.25	1260	1254	1266	4
	28	1.49	1263	1256	1270	4
	29	1.77	1267	1259	1275	4
	30	2.11	1271	1262	1280	4
	31	2.53	1277	1267	1287	4

continued

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
01	32	3.10	1284	1272	1290	4
	33	3.93	1290	1274	1290	4
	34	4.00	1290	1273	1290	4
	35	4.00	1290	1273	1290	4
02	0	-4.99	1200	1200	1224	1
	1	-4.16	1200	1200	1217	1
	2	-3.26	1201	1200	1212	1
	3	-2.70	1208	1200	1217	1
	4	-2.31	1214	1207	1221	1
	5	-2.01	1217	1211	1224	1
	6	-1.76	1221	1215	1227	1
	7	-1.55	1223	1218	1228	1
	8	-1.37	1226	1221	1231	1
	9	-1.20	1228	1223	1233	1
	10	-1.05	1230	1226	1235	1
	11	-0.91	1232	1228	1236	1
	12	-0.77	1234	1230	1238	1
	13	-0.65	1236	1232	1240	2
	14	-0.53	1237	1233	1241	2
	15	-0.41	1238	1234	1242	2
	16	-0.30	1239	1235	1243	2
	17	-0.19	1241	1237	1245	3
	18	-0.08	1243	1239	1247	3
	19	0.03	1244	1240	1248	3
	20	0.14	1246	1242	1250	3
	21	0.26	1247	1243	1251	3
	22	0.38	1249	1245	1253	3
	23	0.51	1250	1246	1254	3
	24	0.65	1252	1248	1256	3
	25	0.80	1254	1249	1259	4
	26	0.96	1256	1251	1261	4
	27	1.15	1259	1254	1265	4
	28	1.37	1262	1256	1268	4
	29	1.61	1265	1258	1272	4
	30	1.91	1269	1261	1277	4
	31	2.27	1273	1264	1282	4
	32	2.75	1280	1269	1290	4
	33	3.43	1288	1274	1290	4
	34	4.00	1290	1273	1290	4
	35	4.00	1290	1273	1290	4
03	0	-5.07	1200	1200	1224	1
	1	-4.27	1200	1200	1218	1
	2	-3.38	1200	1200	1212	1
	3	-2.78	1207	1200	1216	1
	4	-2.37	1213	1205	1221	1
	5	-2.06	1217	1210	1224	1
	6	-1.81	1220	1214	1226	1
	7	-1.60	1223	1218	1228	1

continued

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
03	8	-1.41	1225	1220	1230	1
	9	-1.24	1227	1222	1232	1
	10	-1.09	1229	1225	1234	1
	11	-0.95	1231	1227	1235	1
	12	-0.82	1233	1229	1237	1
	13	-0.69	1235	1231	1239	1
	14	-0.57	1236	1232	1240	2
	15	-0.45	1238	1234	1242	2
	16	-0.34	1239	1235	1243	2
	17	-0.22	1241	1237	1245	3
	18	-0.11	1242	1238	1246	3
	19	0.01	1244	1240	1248	3
	20	0.12	1245	1241	1249	3
	21	0.24	1247	1243	1251	3
	22	0.37	1249	1245	1253	3
	23	0.50	1250	1246	1254	3
	24	0.65	1252	1247	1257	3
	25	0.80	1254	1249	1259	4
	26	0.98	1256	1251	1261	4
	27	1.17	1259	1253	1265	4
	28	1.39	1262	1256	1268	4
	29	1.64	1265	1258	1272	4
	30	1.94	1269	1261	1277	4
	31	2.32	1274	1265	1283	4
	32	2.81	1280	1269	1290	4
	33	3.51	1290	1276	1290	4
	34	4.00	1290	1273	1290	4
	35	4.00	1290	1273	1290	4
04	0	-5.08	1200	1200	1225	1
	1	-4.22	1200	1200	1218	1
	2	-3.29	1201	1200	1213	1
	3	-2.69	1209	1200	1218	1
	4	-2.28	1214	1206	1222	1
	5	-1.97	1218	1211	1225	1
	6	-1.72	1221	1215	1227	1
	7	-1.50	1224	1219	1229	1
	8	-1.32	1226	1221	1231	1
	9	-1.15	1229	1224	1234	1
	10	-1.00	1231	1227	1235	1
	11	-0.86	1232	1228	1236	1
	12	-0.74	1234	1230	1238	1
	13	-0.62	1236	1232	1240	2
	14	-0.50	1237	1233	1241	2
	15	-0.39	1239	1236	1243	2
	16	-0.29	1239	1236	1243	2
	17	-0.18	1241	1238	1244	3
	18	-0.08	1243	1240	1246	3
	19	0.03	1244	1241	1248	3

continued

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
04	20	0.14	1245	1241	1249	3
	21	0.25	1247	1243	1251	3
	22	0.37	1248	1244	1252	3
	23	0.50	1250	1246	1254	3
	24	0.63	1252	1248	1256	3
	25	0.78	1254	1249	1259	4
	26	0.95	1256	1251	1261	4
	27	1.14	1259	1254	1265	4
	28	1.35	1261	1255	1267	4
	29	1.60	1265	1258	1272	4
	30	1.90	1268	1260	1276	4
	31	2.27	1273	1264	1282	4
	32	2.76	1280	1269	1290	4
	33	3.47	1289	1275	1290	4
	34	4.00	1290	1273	1290	4
	35	4.00	1290	1273	1290	4

Table 6H-9. 2014–15 NCSC: Raw to Scaled Score Look-up Table—Mathematics Grade 4

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
01	0	-5.37	1200	1200	1226	1
	1	-4.59	1200	1200	1220	1
	2	-3.76	1200	1200	1215	1
	3	-3.02	1200	1200	1211	1
	4	-2.53	1207	1200	1216	1
	5	-2.15	1212	1204	1220	1
	6	-1.84	1216	1209	1223	1
	7	-1.58	1219	1213	1226	1
	8	-1.35	1222	1216	1228	1
	9	-1.14	1225	1219	1231	1
	10	-0.95	1227	1222	1233	1
	11	-0.77	1230	1225	1235	1
	12	-0.60	1232	1227	1237	1
	13	-0.44	1234	1229	1239	2
	14	-0.29	1236	1231	1241	2
	15	-0.14	1238	1233	1243	2
	16	0.02	1240	1235	1245	3
	17	0.17	1242	1237	1247	3
	18	0.32	1244	1239	1249	3
	19	0.48	1246	1241	1251	3
	20	0.64	1248	1243	1253	3
	21	0.81	1250	1245	1255	3
	22	0.99	1253	1247	1259	4
	23	1.19	1255	1249	1261	4

continued

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
01	24	1.40	1258	1252	1264	4
	25	1.64	1261	1254	1268	4
	26	1.91	1265	1258	1273	4
	27	2.22	1269	1261	1277	4
	28	2.60	1274	1264	1284	4
	29	3.07	1280	1269	1290	4
	30	3.70	1288	1274	1290	4
	31	4.00	1290	1275	1290	4
	32	4.00	1290	1275	1290	4
	33	4.00	1290	1275	1290	4
02	0	-5.46	1200	1200	1226	1
	1	-4.71	1200	1200	1221	1
	2	-3.95	1200	1200	1216	1
	3	-3.17	1200	1200	1212	1
	4	-2.64	1205	1200	1215	1
	5	-2.24	1211	1203	1219	1
	6	-1.91	1215	1208	1223	1
	7	-1.63	1219	1212	1226	1
	8	-1.38	1222	1216	1228	1
	9	-1.16	1225	1219	1231	1
	10	-0.96	1227	1222	1233	1
	11	-0.77	1230	1225	1235	1
	12	-0.60	1232	1227	1237	1
	13	-0.43	1234	1229	1239	2
	14	-0.27	1236	1231	1241	2
	15	-0.12	1238	1233	1243	2
	16	0.04	1240	1235	1245	3
	17	0.19	1242	1237	1247	3
	18	0.35	1244	1239	1249	3
	19	0.52	1247	1242	1252	3
	20	0.70	1249	1244	1254	3
	21	0.89	1251	1245	1257	4
	22	1.09	1254	1248	1260	4
	23	1.31	1257	1251	1263	4
	24	1.56	1260	1253	1267	4
	25	1.84	1264	1256	1272	4
	26	2.15	1268	1259	1277	4
	27	2.53	1273	1263	1283	4
	28	2.98	1279	1268	1290	4
	29	3.55	1286	1273	1290	4
	30	4.00	1290	1275	1290	4
	31	4.00	1290	1275	1290	4
	32	4.00	1290	1275	1290	4
	33	4.00	1290	1275	1290	4
03	0	-5.31	1200	1200	1227	1
	1	-4.50	1200	1200	1220	1
	2	-3.61	1200	1200	1214	1
	3	-2.91	1202	1200	1213	1

continued

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
03	4	-2.44	1208	1200	1217	1
	5	-2.08	1213	1206	1221	1
	6	-1.78	1217	1210	1224	1
	7	-1.53	1220	1214	1226	1
	8	-1.31	1223	1217	1229	1
	9	-1.11	1225	1220	1230	1
	10	-0.93	1228	1223	1233	1
	11	-0.77	1230	1225	1235	1
	12	-0.61	1232	1228	1237	1
	13	-0.46	1234	1230	1238	2
	14	-0.31	1236	1232	1240	2
	15	-0.17	1238	1234	1242	2
	16	-0.03	1239	1235	1243	2
	17	0.11	1241	1237	1245	3
	18	0.26	1243	1239	1247	3
	19	0.41	1245	1240	1250	3
	20	0.57	1247	1242	1252	3
	21	0.74	1250	1245	1255	3
	22	0.92	1252	1247	1257	4
	23	1.12	1255	1249	1261	4
	24	1.34	1257	1251	1263	4
	25	1.60	1261	1254	1268	4
	26	1.89	1265	1257	1273	4
	27	2.23	1269	1260	1278	4
	28	2.64	1274	1264	1284	4
	29	3.15	1281	1269	1290	4
	30	3.84	1290	1275	1290	4
	31	4.00	1290	1274	1290	4
	32	4.00	1290	1274	1290	4
	33	4.00	1290	1274	1290	4
04	0	-5.48	1200	1200	1226	1
	1	-4.77	1200	1200	1220	1
	2	-4.06	1200	1200	1216	1
	3	-3.29	1200	1200	1212	1
	4	-2.75	1204	1200	1214	1
	5	-2.35	1209	1201	1217	1
	6	-2.02	1213	1206	1221	1
	7	-1.74	1217	1210	1224	1
	8	-1.49	1220	1214	1226	1
	9	-1.27	1223	1217	1229	1
	10	-1.07	1226	1220	1232	1
	11	-0.88	1228	1223	1233	1
	12	-0.71	1231	1226	1236	1
	13	-0.54	1233	1228	1238	2
	14	-0.37	1235	1230	1240	2
	15	-0.21	1237	1232	1242	2
	16	-0.04	1239	1234	1244	2
	17	0.13	1242	1237	1247	3

continued

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
04	18	0.30	1244	1239	1249	3
	19	0.48	1246	1241	1252	3
	20	0.67	1249	1243	1255	3
	21	0.87	1251	1245	1257	4
	22	1.08	1254	1248	1260	4
	23	1.31	1257	1250	1264	4
	24	1.57	1260	1253	1267	4
	25	1.86	1264	1256	1272	4
	26	2.19	1269	1260	1278	4
	27	2.59	1274	1264	1284	4
	28	3.07	1280	1268	1290	4
	29	3.67	1288	1274	1290	4
	30	4.00	1290	1274	1290	4
	31	4.00	1290	1274	1290	4
	32	4.00	1290	1274	1290	4
	33	4.00	1290	1274	1290	4

Table 6H-10. 2014–15 NCSC: Raw to Scaled Score Look-up Table—Mathematics Grade 5

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
01	0	-6.21	1200	1200	1232	1
	1	-5.45	1200	1200	1226	1
	2	-4.70	1200	1200	1221	1
	3	-3.92	1200	1200	1217	1
	4	-3.15	1200	1200	1212	1
	5	-2.61	1207	1200	1217	1
	6	-2.20	1213	1205	1221	1
	7	-1.87	1217	1210	1224	1
	8	-1.60	1220	1213	1227	1
	9	-1.37	1224	1218	1230	1
	10	-1.16	1226	1220	1232	1
	11	-0.96	1229	1224	1234	1
	12	-0.78	1231	1226	1236	2
	13	-0.61	1233	1228	1238	2
	14	-0.44	1236	1231	1241	2
	15	-0.28	1238	1233	1243	2
	16	-0.12	1239	1234	1244	2
	17	0.05	1242	1237	1247	3
	18	0.21	1244	1239	1249	3
	19	0.37	1246	1241	1251	3
	20	0.54	1248	1243	1253	3
	21	0.71	1251	1246	1256	3
	22	0.89	1253	1248	1259	3
	23	1.08	1256	1250	1262	4

continued

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
01	24	1.29	1258	1252	1264	4
	25	1.52	1261	1254	1268	4
	26	1.77	1265	1258	1272	4
	27	2.07	1268	1260	1276	4
	28	2.42	1273	1264	1282	4
	29	2.85	1279	1268	1290	4
	30	3.39	1286	1273	1290	4
	31	4.00	1290	1274	1290	4
	32	4.00	1290	1274	1290	4
	33	4.00	1290	1274	1290	4
	34	4.00	1290	1274	1290	4
	35	4.00	1290	1274	1290	4
02	0	-5.54	1200	1200	1225	1
	1	-4.87	1200	1200	1221	1
	2	-4.20	1200	1200	1216	1
	3	-3.45	1200	1200	1213	1
	4	-2.89	1204	1200	1214	1
	5	-2.47	1209	1200	1218	1
	6	-2.14	1213	1205	1221	1
	7	-1.85	1217	1210	1224	1
	8	-1.61	1220	1213	1227	1
	9	-1.38	1223	1217	1229	1
	10	-1.17	1226	1220	1232	1
	11	-0.98	1229	1223	1235	1
	12	-0.79	1231	1225	1237	2
	13	-0.61	1233	1227	1239	2
	14	-0.44	1236	1230	1242	2
	15	-0.27	1238	1232	1244	2
	16	-0.10	1240	1234	1246	3
	17	0.07	1242	1236	1248	3
	18	0.24	1245	1239	1251	3
	19	0.41	1247	1241	1253	3
	20	0.59	1249	1243	1255	3
	21	0.77	1251	1245	1257	3
	22	0.96	1254	1248	1260	3
	23	1.15	1256	1250	1262	4
	24	1.36	1259	1252	1266	4
	25	1.58	1262	1255	1269	4
	26	1.83	1265	1258	1272	4
	27	2.10	1269	1261	1277	4
	28	2.42	1273	1264	1282	4
	29	2.78	1278	1268	1288	4
	30	3.22	1284	1273	1290	4
	31	3.77	1290	1277	1290	4
	32	4.00	1290	1276	1290	4
	33	4.00	1290	1276	1290	4
	34	4.00	1290	1276	1290	4
	35	4.00	1290	1276	1290	4

continued

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
	0	-5.77	1200	1200	1228	1
	1	-5.04	1200	1200	1223	1
	2	-4.30	1200	1200	1218	1
	3	-3.50	1200	1200	1214	1
	4	-2.87	1204	1200	1215	1
	5	-2.41	1210	1201	1219	1
	6	-2.04	1215	1207	1223	1
	7	-1.74	1219	1212	1227	1
	8	-1.47	1222	1215	1229	1
	9	-1.23	1225	1219	1232	1
	10	-1.01	1228	1222	1234	1
	11	-0.80	1231	1225	1237	2
	12	-0.61	1233	1227	1239	2
	13	-0.43	1236	1231	1242	2
	14	-0.25	1238	1233	1243	2
	15	-0.08	1240	1235	1245	3
	16	0.08	1242	1237	1247	3
03	17	0.25	1245	1240	1250	3
	18	0.41	1247	1242	1252	3
	19	0.58	1249	1244	1254	3
	20	0.75	1251	1246	1257	3
	21	0.93	1254	1248	1260	3
	22	1.12	1256	1250	1262	4
	23	1.33	1259	1253	1265	4
	24	1.55	1262	1255	1269	4
	25	1.79	1265	1258	1272	4
	26	2.07	1268	1260	1276	4
	27	2.39	1273	1264	1282	4
	28	2.76	1278	1268	1288	4
	29	3.22	1284	1272	1290	4
	30	3.80	1290	1276	1290	4
	31	4.00	1290	1276	1290	4
	32	4.00	1290	1276	1290	4
	33	4.00	1290	1276	1290	4
	34	4.00	1290	1276	1290	4
	0	-5.62	1200	1200	1228	1
	1	-4.81	1200	1200	1222	1
	2	-4.01	1200	1200	1217	1
	3	-3.16	1200	1200	1212	1
	4	-2.60	1207	1200	1217	1
	5	-2.20	1213	1205	1221	1
04	6	-1.87	1217	1210	1224	1
	7	-1.61	1220	1214	1226	1
	8	-1.37	1223	1217	1229	1
	9	-1.17	1226	1220	1232	1
	10	-0.97	1229	1224	1234	1
	11	-0.79	1231	1226	1236	2
	12	-0.62	1233	1228	1238	2

continued

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
	13	-0.45	1235	1230	1240	2
	14	-0.29	1238	1233	1243	2
	15	-0.13	1239	1234	1244	2
	16	0.03	1242	1237	1247	3
	17	0.19	1244	1239	1249	3
	18	0.36	1246	1241	1251	3
	19	0.53	1248	1243	1253	3
	20	0.70	1251	1246	1257	3
	21	0.89	1253	1247	1259	3
	22	1.09	1256	1250	1262	4
04	23	1.30	1258	1252	1264	4
	24	1.53	1261	1254	1268	4
	25	1.79	1265	1258	1272	4
	26	2.09	1269	1261	1277	4
	27	2.43	1273	1264	1282	4
	28	2.85	1279	1269	1290	4
	29	3.37	1286	1274	1290	4
	30	4.00	1290	1275	1290	4
	31	4.00	1290	1275	1290	4
	32	4.00	1290	1275	1290	4
	33	4.00	1290	1275	1290	4

Table 6H-11. 2014–15 NCSC: Raw to Scaled Score Look-up Table—Mathematics Grade 6

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
	0	-5.12	1200	1200	1223	1
	1	-4.37	1200	1200	1218	1
	2	-3.54	1200	1200	1212	1
	3	-2.92	1204	1200	1213	1
	4	-2.49	1209	1201	1217	1
	5	-2.17	1213	1206	1220	1
	6	-1.91	1217	1211	1223	1
	7	-1.69	1220	1215	1225	1
	8	-1.50	1222	1217	1227	1
01	9	-1.33	1224	1219	1229	1
	10	-1.17	1226	1222	1231	1
	11	-1.03	1228	1224	1232	1
	12	-0.90	1230	1226	1234	1
	13	-0.77	1231	1227	1235	1
	14	-0.64	1233	1229	1237	1
	15	-0.52	1235	1231	1239	2
	16	-0.40	1236	1232	1240	2
	17	-0.28	1238	1234	1242	2
	18	-0.16	1239	1235	1243	2

continued

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
	19	-0.04	1241	1237	1245	3
	20	0.09	1242	1238	1246	3
	21	0.22	1244	1240	1248	3
	22	0.36	1246	1242	1251	3
	23	0.51	1248	1243	1253	3
	24	0.67	1250	1245	1255	4
	25	0.85	1252	1247	1257	4
	26	1.04	1255	1249	1261	4
01	27	1.26	1257	1251	1263	4
	28	1.52	1261	1254	1268	4
	29	1.82	1265	1257	1273	4
	30	2.19	1269	1260	1278	4
	31	2.65	1275	1264	1286	4
	32	3.28	1283	1270	1290	4
	33	4.00	1290	1273	1290	4
	34	4.00	1290	1273	1290	4
	35	4.00	1290	1273	1290	4
	0	-5.02	1200	1200	1222	1
	1	-4.31	1200	1200	1217	1
	2	-3.50	1200	1200	1212	1
	3	-2.92	1204	1200	1213	1
	4	-2.52	1209	1202	1217	1
	5	-2.22	1213	1206	1220	1
	6	-1.97	1216	1210	1222	1
	7	-1.75	1219	1214	1225	1
	8	-1.57	1221	1216	1226	1
	9	-1.40	1223	1218	1228	1
	10	-1.24	1225	1220	1230	1
	11	-1.09	1227	1223	1232	1
	12	-0.95	1229	1225	1233	1
	13	-0.82	1231	1227	1235	1
	14	-0.69	1232	1228	1236	1
02	15	-0.56	1234	1230	1238	2
	16	-0.43	1236	1232	1240	2
	17	-0.30	1237	1233	1241	2
	18	-0.17	1239	1235	1243	2
	19	-0.04	1241	1237	1246	3
	20	0.09	1242	1237	1247	3
	21	0.23	1244	1239	1249	3
	22	0.38	1246	1241	1251	3
	23	0.53	1248	1243	1253	3
	24	0.69	1250	1245	1255	4
	25	0.87	1252	1247	1258	4
	26	1.06	1255	1249	1261	4
	27	1.26	1257	1251	1263	4
	28	1.50	1260	1253	1267	4
	29	1.77	1264	1257	1271	4
	30	2.09	1268	1260	1276	4

continued

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
02	31	2.49	1273	1264	1283	4
	32	3.02	1280	1269	1290	4
	33	3.82	1290	1275	1290	4
	34	4.00	1290	1274	1290	4
	35	4.00	1290	1274	1290	4
03	0	-5.14	1200	1200	1224	1
	1	-4.33	1200	1200	1218	1
	2	-3.43	1200	1200	1212	1
	3	-2.81	1205	1200	1215	1
	4	-2.38	1211	1203	1219	1
	5	-2.06	1215	1208	1222	1
	6	-1.79	1218	1212	1224	1
	7	-1.57	1221	1216	1227	1
	8	-1.38	1224	1219	1229	1
	9	-1.21	1226	1221	1231	1
	10	-1.06	1228	1224	1233	1
	11	-0.91	1230	1226	1234	1
	12	-0.78	1231	1227	1235	1
	13	-0.65	1233	1229	1237	1
	14	-0.52	1235	1231	1239	2
	15	-0.40	1236	1232	1240	2
	16	-0.28	1238	1234	1242	2
	17	-0.16	1239	1235	1243	2
	18	-0.04	1241	1237	1245	3
	19	0.08	1242	1238	1246	3
	20	0.21	1244	1240	1248	3
	21	0.35	1246	1242	1250	3
	22	0.49	1248	1243	1253	3
	23	0.64	1249	1244	1254	4
	24	0.81	1252	1247	1257	4
	25	0.99	1254	1249	1260	4
	26	1.20	1257	1251	1263	4
	27	1.43	1260	1254	1267	4
	28	1.70	1263	1256	1270	4
	29	2.04	1267	1259	1275	4
	30	2.46	1273	1263	1283	4
	31	3.03	1280	1268	1290	4
	32	3.90	1290	1274	1290	4
	33	4.00	1290	1273	1290	4
	34	4.00	1290	1273	1290	4
04	0	-5.03	1200	1200	1222	1
	1	-4.30	1200	1200	1217	1
	2	-3.48	1200	1200	1212	1
	3	-2.90	1204	1200	1213	1
	4	-2.49	1209	1201	1217	1
	5	-2.18	1213	1206	1220	1
	6	-1.92	1217	1211	1223	1
	7	-1.70	1219	1213	1225	1

continued

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
04	8	-1.51	1222	1217	1227	1
	9	-1.33	1224	1219	1229	1
	10	-1.17	1226	1221	1231	1
	11	-1.02	1228	1223	1233	1
	12	-0.88	1230	1226	1234	1
	13	-0.75	1232	1228	1236	1
	14	-0.62	1233	1229	1237	1
	15	-0.49	1235	1231	1239	2
	16	-0.37	1237	1233	1241	2
	17	-0.24	1238	1234	1242	2
	18	-0.12	1239	1235	1243	2
	19	0.01	1241	1237	1245	3
	20	0.14	1243	1239	1247	3
	21	0.27	1245	1241	1250	3
	22	0.41	1247	1242	1252	3
	23	0.56	1249	1244	1254	4
	24	0.72	1250	1245	1255	4
	25	0.89	1253	1248	1258	4
	26	1.07	1255	1249	1261	4
	27	1.28	1258	1252	1264	4
	28	1.51	1261	1255	1268	4
	29	1.78	1264	1257	1271	4
	30	2.10	1268	1260	1276	4
	31	2.51	1273	1264	1283	4
	32	3.06	1280	1268	1290	4
	33	3.90	1290	1274	1290	4
	34	4.00	1290	1274	1290	4
	35	4.00	1290	1274	1290	4

Table 6H-12. 2014–15 NCSC: Raw to Scaled Score Look-up Table—Mathematics Grade 7

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
01	0	-4.87	1200	1200	1221	1
	1	-4.14	1200	1200	1215	1
	2	-3.32	1200	1200	1211	1
	3	-2.80	1207	1200	1216	1
	4	-2.42	1212	1205	1219	1
	5	-2.13	1216	1210	1223	1
	6	-1.89	1219	1213	1225	1
	7	-1.67	1222	1217	1228	1
	8	-1.48	1224	1219	1229	1
	9	-1.31	1226	1221	1231	1
	10	-1.15	1228	1223	1233	1
	11	-1.00	1230	1225	1235	1

continued

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
	12	-0.85	1232	1227	1237	2
	13	-0.71	1234	1229	1239	2
	14	-0.57	1236	1231	1241	2
	15	-0.43	1238	1233	1243	2
	16	-0.30	1239	1234	1244	2
	17	-0.16	1241	1236	1246	3
	18	-0.03	1243	1238	1248	3
	19	0.11	1245	1240	1250	3
	20	0.25	1246	1241	1251	3
	21	0.40	1248	1243	1253	3
	22	0.55	1250	1245	1255	3
01	23	0.70	1252	1247	1257	3
	24	0.87	1254	1249	1259	4
	25	1.05	1257	1251	1263	4
	26	1.25	1259	1253	1265	4
	27	1.46	1262	1256	1268	4
	28	1.71	1265	1258	1272	4
	29	1.99	1269	1261	1277	4
	30	2.33	1273	1265	1282	4
	31	2.78	1279	1269	1289	4
	32	3.40	1287	1274	1290	4
	33	4.00	1290	1274	1290	4
	34	4.00	1290	1274	1290	4
	0	-4.77	1200	1200	1222	1
	1	-3.91	1200	1200	1215	1
	2	-3.08	1204	1200	1214	1
	3	-2.61	1210	1202	1218	1
	4	-2.27	1214	1208	1221	1
	5	-2.01	1217	1211	1223	1
	6	-1.80	1220	1215	1225	1
	7	-1.61	1222	1217	1227	1
	8	-1.45	1225	1220	1230	1
	9	-1.30	1227	1223	1231	1
	10	-1.15	1228	1224	1232	1
	11	-1.02	1230	1226	1234	1
02	12	-0.89	1232	1228	1236	2
	13	-0.77	1233	1229	1237	2
	14	-0.65	1235	1231	1239	2
	15	-0.53	1236	1232	1240	2
	16	-0.41	1238	1234	1242	2
	17	-0.30	1239	1235	1243	2
	18	-0.18	1241	1237	1245	3
	19	-0.06	1243	1239	1247	3
	20	0.07	1244	1240	1248	3
	21	0.20	1246	1242	1250	3
	22	0.33	1247	1243	1252	3
	23	0.47	1249	1244	1254	3
	24	0.61	1251	1246	1256	3

continued

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
02	25	0.77	1254	1249	1259	4
	26	0.94	1255	1250	1260	4
	27	1.12	1258	1252	1264	4
	28	1.32	1260	1254	1266	4
	29	1.56	1263	1257	1270	4
	30	1.82	1267	1260	1274	4
	31	2.15	1271	1263	1279	4
	32	2.56	1276	1267	1286	4
	33	3.15	1284	1272	1290	4
	34	4.00	1290	1273	1290	4
	35	4.00	1290	1273	1290	4
03	0	-4.78	1200	1200	1223	1
	1	-3.85	1200	1200	1215	1
	2	-3.02	1204	1200	1214	1
	3	-2.54	1210	1202	1218	1
	4	-2.20	1215	1208	1222	1
	5	-1.94	1218	1212	1224	1
	6	-1.71	1221	1216	1226	1
	7	-1.52	1224	1219	1229	1
	8	-1.35	1226	1221	1231	1
	9	-1.19	1228	1223	1233	1
	10	-1.04	1230	1226	1235	1
	11	-0.90	1232	1228	1236	2
	12	-0.76	1233	1229	1237	2
	13	-0.63	1235	1231	1239	2
	14	-0.50	1237	1233	1241	2
	15	-0.38	1238	1234	1242	2
	16	-0.25	1240	1236	1244	3
	17	-0.12	1242	1238	1246	3
	18	0.00	1243	1239	1247	3
	19	0.13	1245	1241	1249	3
	20	0.26	1247	1243	1252	3
	21	0.40	1248	1243	1253	3
	22	0.54	1250	1245	1255	3
	23	0.69	1252	1247	1257	3
	24	0.85	1254	1249	1259	4
	25	1.01	1256	1251	1261	4
	26	1.20	1259	1253	1265	4
	27	1.40	1261	1255	1267	4
	28	1.64	1264	1258	1271	4
	29	1.91	1268	1261	1275	4
	30	2.23	1272	1264	1280	4
	31	2.65	1277	1268	1287	4
	32	3.24	1285	1273	1290	4
	33	4.00	1290	1274	1290	4
	34	4.00	1290	1274	1290	4
04	0	-4.88	1200	1200	1222	1
	1	-4.10	1200	1200	1216	1

continued

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
	2	-3.24	1201	1200	1212	1
	3	-2.72	1208	1200	1216	1
	4	-2.36	1213	1206	1220	1
	5	-2.08	1216	1210	1222	1
	6	-1.84	1219	1213	1225	1
	7	-1.64	1222	1217	1227	1
	8	-1.45	1224	1219	1229	1
	9	-1.28	1227	1222	1232	1
	10	-1.13	1229	1224	1234	1
	11	-0.98	1231	1226	1236	1
	12	-0.83	1233	1228	1238	2
	13	-0.69	1234	1230	1239	2
	14	-0.56	1236	1232	1241	2
	15	-0.42	1238	1234	1243	2
	16	-0.29	1239	1235	1244	2
	17	-0.15	1241	1237	1246	3
04	18	-0.02	1243	1238	1248	3
	19	0.12	1245	1240	1250	3
	20	0.26	1247	1242	1252	3
	21	0.40	1248	1243	1253	3
	22	0.55	1250	1245	1255	3
	23	0.71	1252	1247	1257	3
	24	0.88	1255	1250	1260	4
	25	1.05	1257	1251	1263	4
	26	1.25	1259	1253	1265	4
	27	1.47	1262	1256	1268	4
	28	1.71	1265	1258	1272	4
	29	2.00	1269	1261	1277	4
	30	2.34	1273	1264	1282	4
	31	2.78	1279	1269	1289	4
	32	3.40	1287	1274	1290	4
	33	4.00	1290	1274	1290	4
	34	4.00	1290	1274	1290	4

Table 6H-13. 2014–15 NCSC: Raw to Scaled Score Look-up Table—Mathematics Grade 8

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
	0	-5.29	1200	1200	1225	1
	1	-4.54	1200	1200	1219	1
	2	-3.72	1200	1200	1214	1
01	3	-3.02	1203	1200	1214	1
	4	-2.55	1209	1200	1218	1
	5	-2.19	1214	1206	1222	1
	6	-1.90	1218	1211	1225	1

continued

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
	7	-1.65	1221	1215	1227	1
	8	-1.44	1224	1218	1230	1
	9	-1.25	1226	1221	1231	1
	10	-1.08	1228	1223	1233	1
	11	-0.93	1230	1225	1235	1
	12	-0.78	1232	1227	1237	1
	13	-0.64	1234	1229	1239	2
	14	-0.50	1236	1231	1241	2
	15	-0.37	1238	1234	1243	2
	16	-0.24	1239	1235	1244	2
	17	-0.11	1241	1237	1246	3
	18	0.02	1243	1239	1248	3
	19	0.15	1244	1240	1249	3
	20	0.28	1246	1241	1251	3
01	21	0.41	1248	1243	1253	3
	22	0.55	1250	1245	1255	4
	23	0.70	1251	1246	1256	4
	24	0.85	1253	1248	1258	4
	25	1.02	1256	1251	1261	4
	26	1.19	1258	1252	1264	4
	27	1.39	1260	1254	1266	4
	28	1.61	1263	1257	1270	4
	29	1.87	1267	1260	1274	4
	30	2.17	1271	1263	1279	4
	31	2.54	1275	1266	1284	4
	32	3.04	1282	1271	1290	4
	33	3.78	1290	1275	1290	4
	34	4.00	1290	1274	1290	4
	35	4.00	1290	1274	1290	4
	0	-5.24	1200	1200	1227	1
	1	-4.36	1200	1200	1219	1
	2	-3.40	1200	1200	1213	1
	3	-2.74	1207	1200	1217	1
	4	-2.31	1212	1204	1220	1
	5	-1.99	1216	1209	1223	1
	6	-1.73	1220	1214	1226	1
	7	-1.52	1223	1218	1228	1
	8	-1.33	1225	1220	1230	1
02	9	-1.16	1227	1222	1232	1
	10	-1.01	1229	1225	1234	1
	11	-0.87	1231	1227	1235	1
	12	-0.74	1233	1229	1237	1
	13	-0.61	1234	1230	1238	2
	14	-0.48	1236	1232	1240	2
	15	-0.36	1238	1234	1242	2
	16	-0.23	1239	1235	1243	2
	17	-0.11	1241	1237	1245	3
	18	0.01	1243	1239	1247	3

continued

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
02	19	0.14	1244	1240	1248	3
	20	0.27	1246	1242	1250	3
	21	0.40	1248	1244	1253	3
	22	0.54	1249	1244	1254	4
	23	0.69	1251	1246	1256	4
	24	0.84	1253	1248	1258	4
	25	1.01	1256	1251	1261	4
	26	1.20	1258	1252	1264	4
	27	1.41	1261	1255	1267	4
	28	1.64	1264	1257	1271	4
	29	1.92	1267	1260	1274	4
	30	2.26	1272	1264	1281	4
	31	2.72	1278	1268	1288	4
	32	3.39	1287	1274	1290	4
	33	4.00	1290	1273	1290	4
	34	4.00	1290	1273	1290	4
03	0	-5.15	1200	1200	1226	1
	1	-4.32	1200	1200	1219	1
	2	-3.39	1200	1200	1212	1
	3	-2.78	1206	1200	1215	1
	4	-2.36	1212	1204	1220	1
	5	-2.04	1216	1209	1223	1
	6	-1.78	1219	1213	1225	1
	7	-1.56	1222	1216	1228	1
	8	-1.36	1225	1220	1231	1
	9	-1.19	1227	1222	1232	1
	10	-1.02	1229	1224	1234	1
	11	-0.87	1231	1226	1236	1
	12	-0.72	1233	1228	1238	1
	13	-0.58	1235	1230	1240	2
	14	-0.45	1237	1232	1242	2
	15	-0.32	1238	1234	1243	2
	16	-0.19	1239	1235	1244	2
	17	-0.06	1242	1238	1247	3
	18	0.07	1243	1239	1248	3
	19	0.20	1245	1240	1250	3
	20	0.33	1247	1242	1252	3
	21	0.46	1249	1244	1254	4
	22	0.60	1250	1245	1255	4
	23	0.74	1252	1247	1257	4
	24	0.89	1254	1249	1259	4
	25	1.06	1256	1251	1261	4
	26	1.23	1258	1252	1264	4
	27	1.42	1261	1255	1267	4
	28	1.63	1264	1258	1270	4
	29	1.88	1267	1260	1274	4
	30	2.17	1271	1263	1279	4
	31	2.53	1275	1266	1284	4

continued

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
03	32	3.01	1282	1271	1290	4
	33	3.71	1290	1276	1290	4
	34	4.00	1290	1274	1290	4
	35	4.00	1290	1274	1290	4
04	0	-5.20	1200	1200	1225	1
	1	-4.41	1200	1200	1219	1
	2	-3.53	1200	1200	1213	1
	3	-2.88	1205	1200	1215	1
	4	-2.43	1211	1203	1219	1
	5	-2.10	1215	1208	1222	1
	6	-1.82	1219	1212	1226	1
	7	-1.58	1222	1216	1228	1
	8	-1.38	1224	1218	1230	1
	9	-1.19	1227	1222	1233	1
	10	-1.01	1229	1224	1234	1
	11	-0.85	1231	1226	1236	1
	12	-0.70	1233	1228	1238	1
	13	-0.55	1235	1230	1240	2
	14	-0.41	1237	1232	1242	2
	15	-0.27	1239	1234	1244	2
	16	-0.14	1241	1236	1246	3
	17	0.00	1242	1237	1247	3
	18	0.14	1244	1239	1249	3
	19	0.27	1246	1241	1251	3
	20	0.41	1248	1243	1253	3
	21	0.56	1250	1245	1255	4
	22	0.71	1252	1247	1257	4
	23	0.86	1254	1249	1259	4
	24	1.02	1256	1251	1262	4
	25	1.20	1258	1252	1264	4
	26	1.39	1260	1254	1266	4
	27	1.59	1263	1257	1269	4
	28	1.83	1266	1259	1273	4
	29	2.09	1270	1263	1278	4
	30	2.41	1274	1266	1282	4
	31	2.80	1279	1269	1289	4
	32	3.32	1286	1274	1290	4
	33	4.00	1290	1275	1290	4
	34	4.00	1290	1275	1290	4
	35	4.00	1290	1275	1290	4

Table 6H-14. 2014–15 NCSC: Raw to Scaled Score Look-up Table—Mathematics Grade 11

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
01	0	-4.95	1200	1200	1224	1
	1	-4.08	1200	1200	1217	1
	2	-3.15	1202	1200	1213	1
	3	-2.60	1209	1200	1218	1
	4	-2.21	1214	1206	1222	1
	5	-1.90	1218	1211	1225	1
	6	-1.64	1221	1215	1227	1
	7	-1.42	1224	1218	1230	1
	8	-1.22	1227	1222	1232	1
	9	-1.04	1229	1224	1234	1
	10	-0.88	1231	1226	1236	1
	11	-0.73	1233	1228	1238	1
	12	-0.59	1235	1231	1240	2
	13	-0.45	1237	1233	1241	2
	14	-0.32	1238	1234	1242	2
	15	-0.19	1239	1235	1243	2
	16	-0.07	1242	1238	1246	3
	17	0.06	1243	1239	1247	3
	18	0.18	1245	1241	1249	3
	19	0.31	1246	1242	1250	3
	20	0.43	1248	1244	1252	3
	21	0.56	1250	1246	1254	4
	22	0.70	1252	1247	1257	4
	23	0.84	1253	1248	1258	4
	24	0.99	1255	1250	1260	4
	25	1.16	1258	1253	1263	4
	26	1.34	1260	1255	1266	4
	27	1.54	1262	1256	1268	4
	28	1.77	1265	1259	1271	4
	29	2.05	1269	1262	1276	4
	30	2.39	1273	1265	1281	4
	31	2.84	1279	1269	1289	4
	32	3.51	1288	1275	1290	4
	33	4.00	1290	1274	1290	4
	34	4.00	1290	1274	1290	4
02	0	-4.94	1200	1200	1224	1
	1	-4.08	1200	1200	1217	1
	2	-3.16	1201	1200	1212	1
	3	-2.61	1209	1200	1218	1
	4	-2.23	1213	1206	1221	1
	5	-1.93	1217	1210	1224	1
	6	-1.69	1221	1215	1227	1
	7	-1.47	1223	1217	1229	1
	8	-1.28	1226	1221	1231	1
	9	-1.11	1228	1223	1233	1
	10	-0.95	1230	1225	1235	1

continued

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
	11	-0.80	1232	1227	1237	1
	12	-0.66	1234	1229	1239	2
	13	-0.52	1236	1231	1241	2
	14	-0.39	1237	1233	1242	2
	15	-0.26	1239	1235	1243	2
	16	-0.13	1241	1237	1245	3
	17	-0.01	1242	1238	1246	3
	18	0.12	1244	1240	1248	3
	19	0.25	1246	1242	1251	3
	20	0.37	1247	1243	1252	3
	21	0.51	1249	1244	1254	4
	22	0.64	1251	1246	1256	4
02	23	0.79	1253	1248	1258	4
	24	0.94	1255	1250	1260	4
	25	1.10	1257	1252	1262	4
	26	1.27	1259	1254	1265	4
	27	1.47	1262	1256	1268	4
	28	1.68	1264	1258	1270	4
	29	1.93	1268	1261	1275	4
	30	2.23	1271	1263	1279	4
	31	2.60	1276	1267	1285	4
	32	3.08	1282	1271	1290	4
	33	3.79	1290	1276	1290	4
	34	4.00	1290	1275	1290	4
	35	4.00	1290	1275	1290	4
	0	-5.05	1200	1200	1225	1
	1	-4.18	1200	1200	1218	1
	2	-3.24	1200	1200	1212	1
	3	-2.65	1208	1200	1217	1
	4	-2.24	1213	1205	1221	1
	5	-1.92	1218	1211	1225	1
	6	-1.66	1221	1215	1227	1
	7	-1.43	1224	1218	1230	1
	8	-1.23	1226	1221	1231	1
	9	-1.05	1229	1224	1234	1
	10	-0.89	1231	1226	1236	1
03	11	-0.73	1233	1228	1238	1
	12	-0.59	1235	1230	1240	2
	13	-0.44	1237	1232	1242	2
	14	-0.31	1239	1234	1244	2
	15	-0.17	1240	1235	1245	3
	16	-0.04	1242	1237	1247	3
	17	0.10	1244	1239	1249	3
	18	0.23	1246	1241	1251	3
	19	0.37	1247	1242	1252	3
	20	0.51	1249	1244	1254	4
	21	0.66	1251	1246	1256	4
	22	0.81	1253	1248	1258	4

continued

Form	Raw Score	2015				
		Theta	Scaled Score	Low Scaled Score	High Scaled Score	Performance Level
03	23	0.98	1255	1250	1260	4
	24	1.15	1257	1251	1263	4
	25	1.34	1260	1254	1266	4
	26	1.55	1263	1257	1269	4
	27	1.79	1266	1259	1273	4
	28	2.07	1269	1261	1277	4
	29	2.40	1274	1266	1283	4
	30	2.82	1279	1269	1289	4
	31	3.38	1286	1274	1290	4
	32	4.00	1290	1275	1290	4
	33	4.00	1290	1275	1290	4
	34	4.00	1290	1275	1290	4
04	0	-4.97	1200	1200	1226	1
	1	-4.02	1200	1200	1217	1
	2	-3.05	1203	1200	1214	1
	3	-2.49	1210	1201	1219	1
	4	-2.10	1215	1207	1223	1
	5	-1.79	1219	1212	1226	1
	6	-1.54	1222	1216	1228	1
	7	-1.32	1225	1219	1231	1
	8	-1.12	1228	1223	1234	1
	9	-0.95	1230	1225	1235	1
	10	-0.78	1232	1227	1237	1
	11	-0.63	1234	1229	1239	2
	12	-0.49	1236	1231	1241	2
	13	-0.35	1238	1233	1243	2
	14	-0.21	1239	1234	1244	2
	15	-0.08	1241	1237	1246	3
	16	0.05	1243	1239	1248	3
	17	0.18	1245	1241	1250	3
	18	0.30	1246	1242	1251	3
	19	0.43	1248	1244	1253	3
	20	0.56	1250	1245	1255	4
	21	0.70	1252	1247	1257	4
	22	0.84	1253	1248	1258	4
	23	0.99	1255	1250	1260	4
	24	1.15	1257	1252	1262	4
	25	1.32	1260	1255	1265	4
	26	1.51	1262	1256	1268	4
	27	1.72	1265	1259	1271	4
	28	1.96	1268	1261	1275	4
	29	2.24	1272	1265	1280	4
	30	2.59	1276	1267	1285	4
	31	3.06	1282	1272	1290	4
	32	3.75	1290	1276	1290	4
	33	4.00	1290	1275	1290	4
	34	4.00	1290	1275	1290	4