

APPENDIX D. SCORE EQUIVALENCE TABLES

D.1 Year 3 Numeracy Score Equivalence Table

Year	Domain	Raw Score	Logit	Logit_SE	Scale Score	Scale SE	Band
3	Numeracy	0	-7.096	1.514	25.2	90.9	1
3	Numeracy	1	-5.808	0.909	102.6	54.6	1
3	Numeracy	2	-5.149	0.730	142.1	43.8	1
3	Numeracy	3	-4.675	0.638	170.6	38.3	1
3	Numeracy	4	-4.295	0.581	193.4	34.9	1
3	Numeracy	5	-3.968	0.541	213.1	32.5	1
3	Numeracy	6	-3.679	0.512	230.4	30.7	1
3	Numeracy	7	-3.418	0.489	246.1	29.4	1
3	Numeracy	8	-3.176	0.471	260.6	28.3	1
3	Numeracy	9	-2.950	0.457	274.2	27.4	2
3	Numeracy	10	-2.736	0.445	287.0	26.7	2
3	Numeracy	11	-2.532	0.436	299.3	26.2	2
3	Numeracy	12	-2.335	0.429	311.1	25.8	2
3	Numeracy	13	-2.145	0.423	322.5	25.4	3
3	Numeracy	14	-1.959	0.419	333.7	25.2	3
3	Numeracy	15	-1.776	0.416	344.7	25.0	3
3	Numeracy	16	-1.594	0.414	355.6	24.9	3
3	Numeracy	17	-1.414	0.413	366.4	24.8	3
3	Numeracy	18	-1.235	0.414	377.2	24.9	4
3	Numeracy	19	-1.053	0.415	388.1	24.9	4
3	Numeracy	20	-0.870	0.418	399.1	25.1	4
3	Numeracy	21	-0.685	0.421	410.2	25.3	4
3	Numeracy	22	-0.496	0.426	421.6	25.6	4
3	Numeracy	23	-0.302	0.431	433.2	25.9	5
3	Numeracy	24	-0.102	0.438	445.2	26.3	5
3	Numeracy	25	0.104	0.447	457.6	26.8	5
3	Numeracy	26	0.320	0.457	470.6	27.4	5
3	Numeracy	27	0.546	0.468	484.1	28.1	6
3	Numeracy	28	0.783	0.483	498.4	29.0	6
3	Numeracy	29	1.038	0.500	513.7	30.0	6
3	Numeracy	30	1.311	0.522	530.1	31.3	6
3	Numeracy	31	1.610	0.551	548.0	33.1	6
3	Numeracy	32	1.946	0.589	568.2	35.4	6
3	Numeracy	33	2.336	0.646	591.6	38.8	6
3	Numeracy	34	2.818	0.737	620.6	44.3	6
3	Numeracy	35	3.488	0.916	660.8	55.0	6
3	Numeracy	36	4.790	1.524	739.0	91.5	6

D.2 Year 3 Reading Score Equivalence Table

Year	Domain	Raw Score	Logit	Logit_SE	Scale Score	Scale SE	Band
3	Reading	0	-6.085	1.487	12.5	100.0	1
3	Reading	1	-4.818	0.883	97.7	59.4	1
3	Reading	2	-4.187	0.702	140.1	47.2	1
3	Reading	3	-3.746	0.609	169.8	40.9	1
3	Reading	4	-3.398	0.550	193.2	37.0	1
3	Reading	5	-3.105	0.509	212.9	34.2	1
3	Reading	6	-2.849	0.479	230.1	32.2	1
3	Reading	7	-2.619	0.456	245.6	30.6	1
3	Reading	8	-2.409	0.437	259.7	29.4	1
3	Reading	9	-2.214	0.423	272.9	28.4	2
3	Reading	10	-2.031	0.411	285.2	27.6	2
3	Reading	11	-1.857	0.401	296.9	27.0	2
3	Reading	12	-1.690	0.393	308.1	26.4	2
3	Reading	13	-1.529	0.387	318.9	26.0	2
3	Reading	14	-1.373	0.382	329.4	25.7	3
3	Reading	15	-1.220	0.378	339.7	25.4	3
3	Reading	16	-1.070	0.375	349.8	25.3	3
3	Reading	17	-0.921	0.374	359.8	25.1	3
3	Reading	18	-0.773	0.373	369.8	25.1	3
3	Reading	19	-0.626	0.373	379.7	25.1	4
3	Reading	20	-0.478	0.374	389.6	25.2	4
3	Reading	21	-0.328	0.376	399.7	25.3	4
3	Reading	22	-0.177	0.379	409.9	25.5	4
3	Reading	23	-0.023	0.384	420.2	25.8	4
3	Reading	24	0.136	0.389	430.9	26.1	5
3	Reading	25	0.298	0.395	441.8	26.6	5
3	Reading	26	0.467	0.403	453.2	27.1	5
3	Reading	27	0.643	0.413	465.0	27.7	5
3	Reading	28	0.828	0.424	477.5	28.5	5
3	Reading	29	1.025	0.438	490.7	29.5	6
3	Reading	30	1.236	0.456	504.9	30.7	6
3	Reading	31	1.465	0.478	520.3	32.2	6
3	Reading	32	1.719	0.508	537.4	34.1	6
3	Reading	33	2.009	0.548	556.9	36.8	6
3	Reading	34	2.353	0.605	580.0	40.7	6
3	Reading	35	2.788	0.698	609.3	46.9	6
3	Reading	36	3.409	0.877	651.1	59.0	6
3	Reading	37	4.665	1.478	735.6	99.4	6

D.3 Year 3 Spelling Score Equivalence Table

Year	Domain	Raw Score	Logit	Logit_SE	Scale Score	Scale SE	Band
3	Spelling	0	-7.490	1.628	178.7	62.0	1
3	Spelling	1	-6.088	1.002	232.2	38.2	1
3	Spelling	2	-5.296	0.816	262.3	31.1	1
3	Spelling	3	-4.708	0.715	284.7	27.3	2
3	Spelling	4	-4.236	0.650	302.7	24.8	2
3	Spelling	5	-3.839	0.604	317.9	23.0	2
3	Spelling	6	-3.491	0.571	331.1	21.8	3
3	Spelling	7	-3.175	0.546	343.2	20.8	3
3	Spelling	8	-2.884	0.528	354.3	20.1	3
3	Spelling	9	-2.608	0.515	364.8	19.6	3
3	Spelling	10	-2.344	0.506	374.8	19.3	4
3	Spelling	11	-2.087	0.500	384.6	19.1	4
3	Spelling	12	-1.835	0.498	394.2	19.0	4
3	Spelling	13	-1.584	0.498	403.8	19.0	4
3	Spelling	14	-1.332	0.500	413.4	19.1	4
3	Spelling	15	-1.075	0.506	423.2	19.3	4
3	Spelling	16	-0.811	0.514	433.2	19.6	5
3	Spelling	17	-0.536	0.526	443.7	20.0	5
3	Spelling	18	-0.246	0.542	454.8	20.6	5
3	Spelling	19	0.064	0.562	466.6	21.4	5
3	Spelling	20	0.399	0.588	479.4	22.4	6
3	Spelling	21	0.769	0.625	493.5	23.8	6
3	Spelling	22	1.190	0.678	509.5	25.8	6
3	Spelling	23	1.696	0.765	528.8	29.2	6
3	Spelling	24	2.377	0.940	554.7	35.8	6
3	Spelling	25	3.662	1.546	603.7	58.9	6

D.4 Year 3 Grammar & Punctuation Score Equivalence Table

Year	Domain	Raw Score	Logit	Logit_SE	Scale Score	Scale SE	Band
3	GP	0	-5.882	1.531	-24.4	112.5	1
3	GP	1	-4.532	0.921	74.8	67.7	1
3	GP	2	-3.833	0.741	126.2	54.5	1
3	GP	3	-3.330	0.649	163.1	47.7	1
3	GP	4	-2.924	0.592	193.0	43.5	1
3	GP	5	-2.575	0.553	218.6	40.6	1
3	GP	6	-2.265	0.525	241.4	38.6	1
3	GP	7	-1.981	0.503	262.3	37.0	1
3	GP	8	-1.717	0.487	281.7	35.8	2
3	GP	9	-1.468	0.474	300.0	34.9	2
3	GP	10	-1.230	0.465	317.5	34.2	2
3	GP	11	-1.000	0.457	334.4	33.6	3
3	GP	12	-0.777	0.452	350.8	33.3	3
3	GP	13	-0.558	0.449	366.9	33.0	3
3	GP	14	-0.341	0.448	382.8	33.0	4
3	GP	15	-0.125	0.449	398.7	33.0	4
3	GP	16	0.094	0.453	414.8	33.3	4
3	GP	17	0.316	0.459	431.1	33.7	5
3	GP	18	0.545	0.468	448.0	34.4	5
3	GP	19	0.784	0.481	465.5	35.3	5
3	GP	20	1.039	0.499	484.3	36.7	6
3	GP	21	1.315	0.524	504.6	38.6	6
3	GP	22	1.625	0.561	527.4	41.2	6
3	GP	23	1.987	0.616	554.0	45.3	6
3	GP	24	2.440	0.706	587.3	51.9	6
3	GP	25	3.082	0.883	634.4	64.9	6
3	GP	26	4.368	1.484	729.0	109.1	6

D.5 Year 5 Numeracy Score Equivalence Table

Year	Domain	Raw Score	Logit	Logit SE	Scale Score	Scale SE	Band
5	Numeracy	0	-5.421	1.509	125.8	90.6	3
5	Numeracy	1	-4.231	0.903	197.3	54.2	3
5	Numeracy	2	-3.625	0.724	233.7	43.5	3
5	Numeracy	3	-3.192	0.631	259.7	37.9	3
5	Numeracy	4	-2.845	0.572	280.5	34.4	3
5	Numeracy	5	-2.551	0.531	298.2	31.9	3
5	Numeracy	6	-2.293	0.500	313.6	30.0	3
5	Numeracy	7	-2.061	0.476	327.6	28.6	3
5	Numeracy	8	-1.849	0.457	340.3	27.4	3
5	Numeracy	9	-1.652	0.441	352.1	26.5	3
5	Numeracy	10	-1.468	0.428	363.2	25.7	3
5	Numeracy	11	-1.293	0.418	373.7	25.1	3
5	Numeracy	12	-1.127	0.409	383.7	24.6	4
5	Numeracy	13	-0.966	0.402	393.3	24.1	4
5	Numeracy	14	-0.811	0.396	402.6	23.8	4
5	Numeracy	15	-0.660	0.391	411.7	23.5	4
5	Numeracy	16	-0.512	0.388	420.6	23.3	4
5	Numeracy	17	-0.366	0.385	429.4	23.1	5
5	Numeracy	18	-0.221	0.384	438.1	23.1	5
5	Numeracy	19	-0.078	0.383	446.7	23.0	5
5	Numeracy	20	0.066	0.383	455.3	23.0	5
5	Numeracy	21	0.210	0.383	464.0	23.0	5
5	Numeracy	22	0.354	0.385	472.6	23.1	5
5	Numeracy	23	0.500	0.387	481.4	23.2	6
5	Numeracy	24	0.648	0.390	490.3	23.4	6
5	Numeracy	25	0.799	0.393	499.3	23.6	6
5	Numeracy	26	0.952	0.398	508.5	23.9	6
5	Numeracy	27	1.110	0.403	518.0	24.2	6
5	Numeracy	28	1.272	0.410	527.7	24.6	6
5	Numeracy	29	1.439	0.418	537.8	25.1	7
5	Numeracy	30	1.613	0.427	548.2	25.6	7
5	Numeracy	31	1.796	0.439	559.2	26.4	7
5	Numeracy	32	1.989	0.453	570.8	27.2	7
5	Numeracy	33	2.196	0.471	583.2	28.3	8
5	Numeracy	34	2.421	0.493	596.7	29.6	8
5	Numeracy	35	2.670	0.523	611.7	31.4	8
5	Numeracy	36	2.953	0.563	628.7	33.8	8
5	Numeracy	37	3.288	0.622	648.8	37.4	8
5	Numeracy	38	3.708	0.715	674.0	42.9	8
5	Numeracy	39	4.305	0.895	709.9	53.7	8
5	Numeracy	40	5.488	1.502	780.9	90.2	8

D.6 Year 5 Reading Score Equivalence Table

Year	Domain	Raw Score	Logit	Logit SE	Scale Score	Scale SE	Band
5	Reading	0	-5.879	1.475	26.3	99.2	3
5	Reading	1	-4.494	0.874	119.5	58.8	3
5	Reading	2	-3.810	0.695	165.5	46.7	3
5	Reading	3	-3.333	0.602	197.6	40.5	3
5	Reading	4	-2.957	0.544	222.9	36.6	3
5	Reading	5	-2.641	0.505	244.1	33.9	3
5	Reading	6	-2.363	0.476	262.8	32.0	3
5	Reading	7	-2.113	0.454	279.7	30.5	3
5	Reading	8	-1.882	0.436	295.2	29.4	3
5	Reading	9	-1.667	0.423	309.7	28.4	3
5	Reading	10	-1.464	0.412	323.3	27.7	3
5	Reading	11	-1.269	0.403	336.4	27.1	3
5	Reading	12	-1.082	0.396	349.0	26.7	3
5	Reading	13	-0.900	0.391	361.2	26.3	3
5	Reading	14	-0.723	0.386	373.1	26.0	3
5	Reading	15	-0.549	0.383	384.9	25.7	4
5	Reading	16	-0.378	0.380	396.4	25.6	4
5	Reading	17	-0.209	0.378	407.7	25.5	4
5	Reading	18	-0.040	0.377	419.1	25.4	4
5	Reading	19	0.127	0.377	430.3	25.4	5
5	Reading	20	0.295	0.377	441.6	25.4	5
5	Reading	21	0.464	0.379	453.0	25.5	5
5	Reading	22	0.633	0.380	464.4	25.6	5
5	Reading	23	0.805	0.383	475.9	25.8	5
5	Reading	24	0.979	0.387	487.6	26.0	6
5	Reading	25	1.157	0.391	499.6	26.3	6
5	Reading	26	1.339	0.397	511.8	26.7	6
5	Reading	27	1.527	0.404	524.5	27.2	6
5	Reading	28	1.722	0.413	537.6	27.8	7
5	Reading	29	1.926	0.423	551.3	28.5	7
5	Reading	30	2.142	0.437	565.9	29.4	7
5	Reading	31	2.372	0.454	581.3	30.5	7
5	Reading	32	2.623	0.476	598.2	32.0	8
5	Reading	33	2.901	0.505	616.9	33.9	8
5	Reading	34	3.217	0.544	638.2	36.6	8
5	Reading	35	3.592	0.602	663.4	40.5	8
5	Reading	36	4.068	0.694	695.4	46.7	8
5	Reading	37	4.751	0.873	741.3	58.7	8
5	Reading	38	6.134	1.474	834.4	99.1	8

D.7 Year 5 Spelling Score Equivalence Table

Year	Domain	Raw Score	Logit	Logit_SE	Scale Score	Scale SE	Band
5	Spelling	0	-5.245	1.575	264.3	60.0	3
5	Spelling	1	-3.961	0.959	313.2	36.5	3
5	Spelling	2	-3.269	0.780	339.6	29.7	3
5	Spelling	3	-2.757	0.688	359.1	26.2	3
5	Spelling	4	-2.336	0.630	375.1	24.0	4
5	Spelling	5	-1.973	0.590	389.0	22.5	4
5	Spelling	6	-1.648	0.561	401.4	21.4	4
5	Spelling	7	-1.352	0.540	412.6	20.6	4
5	Spelling	8	-1.075	0.525	423.2	20.0	4
5	Spelling	9	-0.811	0.514	433.2	19.6	5
5	Spelling	10	-0.556	0.506	443.0	19.3	5
5	Spelling	11	-0.307	0.503	452.5	19.1	5
5	Spelling	12	-0.059	0.501	461.9	19.1	5
5	Spelling	13	0.189	0.502	471.4	19.1	5
5	Spelling	14	0.440	0.506	480.9	19.3	6
5	Spelling	15	0.696	0.511	490.7	19.5	6
5	Spelling	16	0.959	0.519	500.7	19.8	6
5	Spelling	17	1.231	0.528	511.1	20.1	6
5	Spelling	18	1.513	0.541	521.8	20.6	6
5	Spelling	19	1.809	0.558	533.1	21.2	7
5	Spelling	20	2.124	0.580	545.1	22.1	7
5	Spelling	21	2.467	0.613	558.2	23.4	7
5	Spelling	22	2.853	0.663	572.9	25.3	7
5	Spelling	23	3.317	0.748	590.6	28.5	8
5	Spelling	24	3.949	0.921	614.6	35.1	8
5	Spelling	25	5.163	1.523	660.9	58.0	8

D.8 Year 5 Grammar and Punctuation Score Equivalence Table

Year	Domain	Raw Score	Logit	Logit_SE	Scale Score	Scale SE	Band
5	GP	0	-5.204	1.512	25.4	111.1	3
5	GP	1	-3.819	0.906	127.2	66.6	3
5	GP	2	-3.112	0.727	179.2	53.5	3
5	GP	3	-2.606	0.636	216.4	46.8	3
5	GP	4	-2.199	0.580	246.3	42.6	3
5	GP	5	-1.850	0.541	271.9	39.8	3
5	GP	6	-1.540	0.514	294.7	37.8	3
5	GP	7	-1.256	0.493	315.6	36.2	3
5	GP	8	-0.992	0.477	335.0	35.1	3
5	GP	9	-0.742	0.466	353.4	34.2	3
5	GP	10	-0.503	0.457	370.9	33.6	3
5	GP	11	-0.271	0.451	388.0	33.1	4
5	GP	12	-0.044	0.446	404.7	32.8	4
5	GP	13	0.179	0.445	421.1	32.7	4
5	GP	14	0.401	0.445	437.4	32.7	5
5	GP	15	0.625	0.447	453.8	32.8	5
5	GP	16	0.851	0.451	470.5	33.2	5
5	GP	17	1.082	0.458	487.4	33.7	6
5	GP	18	1.322	0.468	505.1	34.4	6
5	GP	19	1.574	0.482	523.6	35.4	6
5	GP	20	1.843	0.501	543.4	36.8	7
5	GP	21	2.137	0.528	565.0	38.8	7
5	GP	22	2.466	0.565	589.2	41.5	8
5	GP	23	2.852	0.621	617.5	45.6	8
5	GP	24	3.333	0.711	652.9	52.3	8
5	GP	25	4.013	0.889	702.9	65.4	8
5	GP	26	5.370	1.491	802.6	109.6	8

D.9 Year 7 Numeracy Score Equivalence Table

Year	Domain	Raw Score	Logit	Logit_SE	Scale Score	Scale SE	Band
7	Numeracy	0	-4.636	1.466	172.9	88.0	4
7	Numeracy	1	-3.421	0.864	245.9	51.9	4
7	Numeracy	2	-2.827	0.682	281.6	41.0	4
7	Numeracy	3	-2.419	0.587	306.1	35.3	4
7	Numeracy	4	-2.102	0.527	325.1	31.6	4
7	Numeracy	5	-1.839	0.484	340.9	29.1	4
7	Numeracy	6	-1.612	0.453	354.5	27.2	4
7	Numeracy	7	-1.411	0.428	366.6	25.7	4
7	Numeracy	8	-1.231	0.409	377.4	24.6	4
7	Numeracy	9	-1.064	0.393	387.4	23.6	4
7	Numeracy	10	-0.910	0.379	396.7	22.8	4
7	Numeracy	11	-0.765	0.368	405.4	22.1	4
7	Numeracy	12	-0.628	0.358	413.6	21.5	4
7	Numeracy	13	-0.498	0.349	421.4	21.0	4
7	Numeracy	14	-0.373	0.342	428.9	20.5	5
7	Numeracy	15	-0.254	0.336	436.1	20.2	5
7	Numeracy	16	-0.138	0.330	443.1	19.8	5
7	Numeracy	17	-0.026	0.325	449.8	19.5	5
7	Numeracy	18	0.083	0.321	456.3	19.3	5
7	Numeracy	19	0.189	0.317	462.7	19.0	5
7	Numeracy	20	0.293	0.314	468.9	18.9	5
7	Numeracy	21	0.395	0.311	475.1	18.7	5
7	Numeracy	22	0.495	0.308	481.1	18.5	6
7	Numeracy	23	0.594	0.306	487.0	18.4	6
7	Numeracy	24	0.692	0.304	492.9	18.3	6
7	Numeracy	25	0.788	0.303	498.7	18.2	6
7	Numeracy	26	0.884	0.302	504.4	18.1	6
7	Numeracy	27	0.978	0.301	510.1	18.1	6
7	Numeracy	28	1.073	0.300	515.8	18.0	6
7	Numeracy	29	1.167	0.299	521.4	18.0	6
7	Numeracy	30	1.260	0.299	527.0	18.0	6
7	Numeracy	31	1.354	0.299	532.7	18.0	7
7	Numeracy	32	1.448	0.300	538.3	18.0	7
7	Numeracy	33	1.542	0.300	543.9	18.0	7
7	Numeracy	34	1.636	0.301	549.6	18.1	7
7	Numeracy	35	1.731	0.302	555.3	18.1	7

D.9 Year 7 Numeracy Score Equivalence Table cont.

Year	Domain	Raw Score	Logit	Logit_SE	Scale Score	Scale SE	Band
7	Numeracy	36	1.827	0.303	561.1	18.2	7
7	Numeracy	37	1.924	0.305	566.9	18.3	7
7	Numeracy	38	2.021	0.306	572.7	18.4	7
7	Numeracy	39	2.121	0.309	578.7	18.6	7
7	Numeracy	40	2.221	0.311	584.7	18.7	8
7	Numeracy	41	2.324	0.314	590.9	18.9	8
7	Numeracy	42	2.427	0.317	597.1	19.0	8
7	Numeracy	43	2.534	0.320	603.5	19.2	8
7	Numeracy	44	2.642	0.324	610.0	19.5	8
7	Numeracy	45	2.753	0.328	616.7	19.7	8
7	Numeracy	46	2.868	0.332	623.6	19.9	8
7	Numeracy	47	2.985	0.337	630.6	20.2	8
7	Numeracy	48	3.106	0.343	637.9	20.6	9
7	Numeracy	49	3.231	0.349	645.4	21.0	9
7	Numeracy	50	3.362	0.356	653.2	21.4	9
7	Numeracy	51	3.497	0.364	661.3	21.9	9
7	Numeracy	52	3.640	0.373	669.9	22.4	9
7	Numeracy	53	3.790	0.384	678.9	23.1	9
7	Numeracy	54	3.947	0.395	688.4	23.7	9
7	Numeracy	55	4.116	0.409	698.5	24.6	9
7	Numeracy	56	4.298	0.426	709.5	25.6	9
7	Numeracy	57	4.494	0.445	721.2	26.7	9
7	Numeracy	58	4.711	0.470	734.3	28.2	9
7	Numeracy	59	4.955	0.501	748.9	30.1	9
7	Numeracy	60	5.235	0.543	765.7	32.6	9
7	Numeracy	61	5.571	0.603	785.9	36.2	9
7	Numeracy	62	5.997	0.698	811.5	41.9	9
7	Numeracy	63	6.612	0.880	848.4	52.8	9
7	Numeracy	64	7.850	1.485	922.8	89.2	9

D.10 Year 7 Non-Calculator Score Equivalence Table

Year	Domain	Raw Score	Logit	Logit_SE	Scale Score	Scale SE	Band
7	NonCalc	0	-4.125	1.524	203.6	91.5	4
7	NonCalc	1	-2.841	0.916	280.7	55.0	4
7	NonCalc	2	-2.178	0.736	320.6	44.2	4
7	NonCalc	3	-1.703	0.644	349.1	38.7	4
7	NonCalc	4	-1.320	0.586	372.1	35.2	4
7	NonCalc	5	-0.992	0.547	391.8	32.8	4
7	NonCalc	6	-0.701	0.518	409.2	31.1	4
7	NonCalc	7	-0.437	0.496	425.1	29.8	4
7	NonCalc	8	-0.191	0.478	439.9	28.7	5
7	NonCalc	9	0.039	0.464	453.7	27.9	5
7	NonCalc	10	0.256	0.454	466.7	27.3	5
7	NonCalc	11	0.466	0.445	479.3	26.7	6
7	NonCalc	12	0.668	0.439	491.5	26.4	6
7	NonCalc	13	0.865	0.434	503.3	26.1	6
7	NonCalc	14	1.059	0.431	514.9	25.9	6
7	NonCalc	15	1.250	0.430	526.4	25.8	6
7	NonCalc	16	1.443	0.431	538.0	25.9	7
7	NonCalc	17	1.635	0.433	549.5	26.0	7
7	NonCalc	18	1.830	0.437	561.2	26.2	7
7	NonCalc	19	2.030	0.443	573.3	26.6	7
7	NonCalc	20	2.237	0.451	585.7	27.1	8
7	NonCalc	21	2.451	0.461	598.5	27.7	8
7	NonCalc	22	2.677	0.474	612.1	28.5	8
7	NonCalc	23	2.917	0.489	626.5	29.4	8
7	NonCalc	24	3.176	0.509	642.1	30.6	9
7	NonCalc	25	3.458	0.534	659.0	32.1	9
7	NonCalc	26	3.772	0.567	677.9	34.0	9
7	NonCalc	27	4.128	0.610	699.2	36.6	9
7	NonCalc	28	4.548	0.672	724.5	40.4	9
7	NonCalc	29	5.072	0.769	755.9	46.2	9
7	NonCalc	30	5.799	0.956	799.6	57.4	9
7	NonCalc	31	7.167	1.581	881.7	94.9	9

D.11 Year 7 Calculator Score Equivalence Table

Year	Domain	Raw Score	Logit	Logit_SE	Scale Score	Scale SE	Band
7	Calc	0	-3.674	1.481	230.7	88.9	4
7	Calc	1	-2.442	0.881	304.7	52.9	4
7	Calc	2	-1.831	0.702	341.4	42.2	4
7	Calc	3	-1.402	0.611	367.2	36.7	4
7	Calc	4	-1.060	0.555	387.7	33.3	4
7	Calc	5	-0.769	0.517	405.2	31.0	4
7	Calc	6	-0.512	0.490	420.6	29.4	4
7	Calc	7	-0.277	0.469	434.7	28.2	5
7	Calc	8	-0.058	0.454	447.9	27.3	5
7	Calc	9	0.149	0.443	460.3	26.6	5
7	Calc	10	0.346	0.434	472.1	26.1	5
7	Calc	11	0.537	0.427	483.6	25.6	6
7	Calc	12	0.724	0.422	494.8	25.3	6
7	Calc	13	0.908	0.419	505.9	25.2	6
7	Calc	14	1.090	0.417	516.8	25.0	6
7	Calc	15	1.270	0.416	527.6	25.0	6
7	Calc	16	1.450	0.417	538.4	25.0	7
7	Calc	17	1.632	0.418	549.4	25.1	7
7	Calc	18	1.815	0.421	560.3	25.3	7
7	Calc	19	2.001	0.424	571.5	25.5	7
7	Calc	20	2.190	0.429	582.9	25.8	8
7	Calc	21	2.385	0.435	594.6	26.1	8
7	Calc	22	2.586	0.443	606.6	26.6	8
7	Calc	23	2.795	0.452	619.2	27.1	8
7	Calc	24	3.012	0.463	632.2	27.8	8
7	Calc	25	3.242	0.477	646.0	28.6	9
7	Calc	26	3.486	0.494	660.7	29.7	9
7	Calc	27	3.749	0.516	676.5	31.0	9
7	Calc	28	4.038	0.544	693.8	32.7	9
7	Calc	29	4.362	0.583	713.3	35.0	9
7	Calc	30	4.739	0.639	735.9	38.4	9
7	Calc	31	5.206	0.730	764.0	43.8	9
7	Calc	32	5.855	0.908	803.0	54.5	9
7	Calc	33	7.122	1.512	879.0	90.8	9

D.12 Year 7 Reading Score Equivalence Table

Year	Domain	Raw Score	Logit	Logit_SE	Scale Score	Scale SE	Band
7	Reading	0	-4.197	1.472	139.5	99.0	4
7	Reading	1	-2.982	0.870	221.2	58.5	4
7	Reading	2	-2.385	0.689	261.4	46.4	4
7	Reading	3	-1.972	0.595	289.1	40.0	4
7	Reading	4	-1.648	0.535	310.9	36.0	4
7	Reading	5	-1.379	0.493	329.0	33.2	4
7	Reading	6	-1.146	0.462	344.7	31.1	4
7	Reading	7	-0.938	0.438	358.7	29.4	4
7	Reading	8	-0.750	0.418	371.3	28.1	4
7	Reading	9	-0.577	0.402	383.0	27.1	4
7	Reading	10	-0.416	0.389	393.8	26.2	4
7	Reading	11	-0.264	0.378	404.0	25.4	4
7	Reading	12	-0.121	0.368	413.6	24.8	4
7	Reading	13	0.016	0.360	422.9	24.2	4
7	Reading	14	0.148	0.353	431.7	23.8	5
7	Reading	15	0.274	0.347	440.2	23.4	5
7	Reading	16	0.397	0.342	448.5	23.0	5
7	Reading	17	0.517	0.338	456.6	22.7	5
7	Reading	18	0.633	0.334	464.4	22.5	5
7	Reading	19	0.747	0.331	472.0	22.2	5
7	Reading	20	0.860	0.328	479.6	22.1	6
7	Reading	21	0.970	0.326	487.0	21.9	6
7	Reading	22	1.080	0.325	494.4	21.8	6
7	Reading	23	1.188	0.324	501.7	21.8	6
7	Reading	24	1.296	0.323	509.0	21.7	6
7	Reading	25	1.404	0.323	516.2	21.7	6
7	Reading	26	1.512	0.323	523.5	21.7	6
7	Reading	27	1.620	0.324	530.7	21.8	7
7	Reading	28	1.729	0.325	538.1	21.9	7
7	Reading	29	1.838	0.327	545.4	22.0	7
7	Reading	30	1.950	0.329	552.9	22.2	7

D.12 Year 7 Reading Score Equivalence Table cont.

Year	Domain	Raw Score	Logit	Logit_SE	Scale Score	Scale SE	Band
7	Reading	31	2.063	0.332	560.5	22.4	7
7	Reading	32	2.178	0.336	568.3	22.6	7
7	Reading	33	2.296	0.341	576.2	22.9	7
7	Reading	34	2.417	0.346	584.4	23.3	8
7	Reading	35	2.543	0.352	592.8	23.7	8
7	Reading	36	2.673	0.360	601.6	24.2	8
7	Reading	37	2.809	0.369	610.7	24.8	8
7	Reading	38	2.953	0.379	620.4	25.5	8
7	Reading	39	3.105	0.392	630.6	26.3	8
7	Reading	40	3.269	0.407	641.7	27.4	9
7	Reading	41	3.446	0.426	653.6	28.7	9
7	Reading	42	3.642	0.450	666.8	30.3	9
7	Reading	43	3.863	0.481	681.6	32.3	9
7	Reading	44	4.119	0.522	698.8	35.1	9
7	Reading	45	4.427	0.582	719.6	39.1	9
7	Reading	46	4.824	0.676	746.3	45.5	9
7	Reading	47	5.405	0.857	785.3	57.6	9
7	Reading	48	6.601	1.457	865.8	98.0	9

D.13 Year 7 Spelling Score Equivalence Table

Year	Domain	Raw Score	Logit	Logit_SE	Scale Score	Scale SE	Band
7	Spelling	0	-2.964	1.523	351.2	58.0	4
7	Spelling	1	-1.753	0.916	397.4	34.9	4
7	Spelling	2	-1.128	0.737	421.2	28.1	4
7	Spelling	3	-0.678	0.646	438.3	24.6	5
7	Spelling	4	-0.313	0.589	452.2	22.4	5
7	Spelling	5	0.000	0.550	464.2	21.0	5
7	Spelling	6	0.279	0.521	474.8	19.9	5
7	Spelling	7	0.532	0.499	484.4	19.0	6
7	Spelling	8	0.768	0.482	493.4	18.4	6
7	Spelling	9	0.989	0.469	501.8	17.9	6
7	Spelling	10	1.200	0.459	509.9	17.5	6
7	Spelling	11	1.402	0.451	517.6	17.2	6
7	Spelling	12	1.598	0.445	525.1	16.9	6
7	Spelling	13	1.790	0.440	532.4	16.8	7
7	Spelling	14	1.978	0.438	539.5	16.7	7
7	Spelling	15	2.166	0.437	546.7	16.7	7
7	Spelling	16	2.353	0.438	553.8	16.7	7
7	Spelling	17	2.542	0.441	561.0	16.8	7
7	Spelling	18	2.734	0.446	568.3	17.0	7
7	Spelling	19	2.931	0.452	575.9	17.2	7
7	Spelling	20	3.135	0.461	583.6	17.6	8
7	Spelling	21	3.349	0.473	591.8	18.0	8
7	Spelling	22	3.574	0.488	600.4	18.6	8
7	Spelling	23	3.816	0.507	609.6	19.3	8
7	Spelling	24	4.080	0.532	619.6	20.3	8
7	Spelling	25	4.374	0.564	630.8	21.5	8
7	Spelling	26	4.708	0.608	643.6	23.2	9
7	Spelling	27	5.103	0.670	658.6	25.5	9
7	Spelling	28	5.596	0.766	677.4	29.2	9
7	Spelling	29	6.275	0.951	703.3	36.2	9
7	Spelling	30	7.550	1.570	751.9	59.8	9

D.14 Year 7 Grammar and Punctuation Score Equivalence Table

Year	Domain	Raw Score	Logit	Logit_SE	Scale Score	Scale SE	Band
7	GP	0	-2.920	1.495	193.3	109.9	4
7	GP	1	-1.888	0.892	269.1	65.5	4
7	GP	2	-1.370	0.712	307.2	52.3	4
7	GP	3	-1.003	0.620	334.2	45.6	4
7	GP	4	-0.711	0.564	355.6	41.4	4
7	GP	5	-0.462	0.525	374.0	38.6	4
7	GP	6	-0.242	0.497	390.1	36.5	4
7	GP	7	-0.042	0.476	404.8	35.0	4
7	GP	8	0.144	0.460	418.5	33.8	4
7	GP	9	0.319	0.448	431.4	32.9	5
7	GP	10	0.486	0.438	443.6	32.2	5
7	GP	11	0.647	0.431	455.5	31.7	5
7	GP	12	0.804	0.427	467.0	31.4	5
7	GP	13	0.958	0.424	478.3	31.2	6
7	GP	14	1.110	0.423	489.5	31.1	6
7	GP	15	1.263	0.423	500.7	31.1	6
7	GP	16	1.417	0.426	512.1	31.3	6
7	GP	17	1.572	0.430	523.5	31.6	6
7	GP	18	1.732	0.437	535.2	32.1	7
7	GP	19	1.898	0.446	547.4	32.8	7
7	GP	20	2.071	0.458	560.1	33.7	7
7	GP	21	2.256	0.474	573.7	34.8	7
7	GP	22	2.454	0.495	588.3	36.4	8
7	GP	23	2.673	0.523	604.4	38.5	8
7	GP	24	2.921	0.562	622.6	41.3	8
7	GP	25	3.212	0.619	644.0	45.5	9
7	GP	26	3.577	0.711	670.8	52.3	9
7	GP	27	4.094	0.890	708.8	65.4	9
7	GP	28	5.124	1.493	784.5	109.8	9

D.15 Year 9 Numeracy Score Equivalence Table

Year	Domain	Raw Score	Logit	Logit_SE	Scale Score	Scale SE	Band
9	Numeracy	0	-2.915	1.463	276.3	87.9	5
9	Numeracy	1	-1.884	0.862	338.2	51.8	5
9	Numeracy	2	-1.381	0.681	368.4	40.9	5
9	Numeracy	3	-1.035	0.587	389.2	35.3	5
9	Numeracy	4	-0.767	0.527	405.3	31.6	5
9	Numeracy	5	-0.543	0.485	418.7	29.1	5
9	Numeracy	6	-0.350	0.454	430.3	27.3	5
9	Numeracy	7	-0.178	0.430	440.7	25.8	5
9	Numeracy	8	-0.023	0.411	450.0	24.7	5
9	Numeracy	9	0.120	0.395	458.6	23.7	5
9	Numeracy	10	0.254	0.382	466.6	22.9	5
9	Numeracy	11	0.379	0.371	474.1	22.3	5
9	Numeracy	12	0.498	0.362	481.3	21.7	6
9	Numeracy	13	0.611	0.353	488.0	21.2	6
9	Numeracy	14	0.720	0.347	494.6	20.8	6
9	Numeracy	15	0.824	0.340	500.8	20.4	6
9	Numeracy	16	0.926	0.335	507.0	20.1	6
9	Numeracy	17	1.024	0.330	512.8	19.8	6
9	Numeracy	18	1.120	0.326	518.6	19.6	6
9	Numeracy	19	1.213	0.323	524.2	19.4	6
9	Numeracy	20	1.305	0.320	529.7	19.2	6
9	Numeracy	21	1.395	0.317	535.1	19.0	7
9	Numeracy	22	1.484	0.315	540.5	18.9	7
9	Numeracy	23	1.572	0.313	545.7	18.8	7
9	Numeracy	24	1.658	0.311	550.9	18.7	7
9	Numeracy	25	1.743	0.309	556.0	18.6	7
9	Numeracy	26	1.829	0.308	561.2	18.5	7
9	Numeracy	27	1.913	0.307	566.2	18.4	7
9	Numeracy	28	1.998	0.307	571.3	18.4	7
9	Numeracy	29	2.081	0.306	576.3	18.4	7
9	Numeracy	30	2.165	0.306	581.4	18.4	7

D.15 Year 9 Numeracy Score Equivalence Table cont.

Year	Domain	Raw Score	Logit	Logit_SE	Scale Score	Scale SE	Band
9	Numeracy	31	2.249	0.306	586.4	18.4	8
9	Numeracy	32	2.332	0.306	591.4	18.4	8
9	Numeracy	33	2.416	0.307	596.4	18.4	8
9	Numeracy	34	2.499	0.307	601.4	18.4	8
9	Numeracy	35	2.584	0.308	606.5	18.5	8
9	Numeracy	36	2.669	0.310	611.6	18.6	8
9	Numeracy	37	2.755	0.311	616.8	18.7	8
9	Numeracy	38	2.842	0.313	622.0	18.8	8
9	Numeracy	39	2.930	0.315	627.3	18.9	8
9	Numeracy	40	3.018	0.317	632.6	19.0	8
9	Numeracy	41	3.109	0.319	638.0	19.2	9
9	Numeracy	42	3.200	0.322	643.5	19.3	9
9	Numeracy	43	3.293	0.325	649.1	19.5	9
9	Numeracy	44	3.389	0.329	654.9	19.8	9
9	Numeracy	45	3.486	0.333	660.7	20.0	9
9	Numeracy	46	3.586	0.337	666.7	20.2	9
9	Numeracy	47	3.689	0.342	672.9	20.5	9
9	Numeracy	48	3.795	0.347	679.2	20.8	9
9	Numeracy	49	3.904	0.353	685.8	21.2	9
9	Numeracy	50	4.017	0.360	692.6	21.6	10
9	Numeracy	51	4.136	0.368	699.7	22.1	10
9	Numeracy	52	4.259	0.376	707.1	22.6	10
9	Numeracy	53	4.387	0.386	714.8	23.2	10
9	Numeracy	54	4.524	0.397	723.0	23.8	10
9	Numeracy	55	4.668	0.410	731.7	24.6	10
9	Numeracy	56	4.822	0.426	740.9	25.6	10
9	Numeracy	57	4.990	0.445	751.0	26.7	10
9	Numeracy	58	5.173	0.468	762.0	28.1	10
9	Numeracy	59	5.378	0.499	774.3	30.0	10
9	Numeracy	60	5.612	0.540	788.4	32.4	10
9	Numeracy	61	5.893	0.598	805.2	35.9	10
9	Numeracy	62	6.249	0.692	826.6	41.6	10
9	Numeracy	63	6.761	0.872	857.4	52.4	10
9	Numeracy	64	7.801	1.473	919.8	88.5	10

D.16 Year 9 Non-Calculator Score Equivalence Table

Year	Domain	Raw Score	Logit	Logit_SE	Scale Score	Scale SE	Band
9	NonCalc	0	-2.341	1.514	310.8	90.9	5
9	NonCalc	1	-1.258	0.905	375.8	54.3	5
9	NonCalc	2	-0.707	0.725	408.9	43.5	5
9	NonCalc	3	-0.316	0.633	432.4	38.0	5
9	NonCalc	4	-0.004	0.576	451.1	34.6	5
9	NonCalc	5	0.264	0.537	467.2	32.2	5
9	NonCalc	6	0.501	0.510	481.4	30.6	6
9	NonCalc	7	0.719	0.489	494.5	29.4	6
9	NonCalc	8	0.921	0.474	506.7	28.5	6
9	NonCalc	9	1.114	0.463	518.2	27.8	6
9	NonCalc	10	1.299	0.455	529.4	27.3	6
9	NonCalc	11	1.478	0.448	540.1	26.9	7
9	NonCalc	12	1.654	0.444	550.7	26.7	7
9	NonCalc	13	1.827	0.441	561.1	26.5	7
9	NonCalc	14	1.999	0.439	571.4	26.4	7
9	NonCalc	15	2.169	0.439	581.6	26.4	7
9	NonCalc	16	2.340	0.439	591.9	26.4	8
9	NonCalc	17	2.512	0.441	602.2	26.5	8
9	NonCalc	18	2.685	0.443	612.6	26.6	8
9	NonCalc	19	2.861	0.447	623.2	26.8	8
9	NonCalc	20	3.039	0.452	633.8	27.1	8
9	NonCalc	21	3.224	0.459	645.0	27.6	9
9	NonCalc	22	3.413	0.468	656.3	28.1	9
9	NonCalc	23	3.612	0.479	668.3	28.8	9
9	NonCalc	24	3.820	0.493	680.7	29.6	9
9	NonCalc	25	4.043	0.511	694.1	30.7	10
9	NonCalc	26	4.282	0.533	708.5	32.0	10
9	NonCalc	27	4.545	0.561	724.3	33.7	10
9	NonCalc	28	4.839	0.600	741.9	36.0	10
9	NonCalc	29	5.177	0.656	762.2	39.4	10
9	NonCalc	30	5.593	0.746	787.2	44.8	10
9	NonCalc	31	6.163	0.923	821.5	55.4	10
9	NonCalc	32	7.260	1.529	887.3	91.8	10

D.17 Year 9 Calculator Score Equivalence Table

Year	Domain	Raw Score	Logit	Logit_SE	Scale Score	Scale SE	Band
9	Calc	0	-2.278	1.503	314.5	90.3	5
9	Calc	1	-1.209	0.900	378.7	54.0	5
9	Calc	2	-0.667	0.721	411.3	43.3	5
9	Calc	3	-0.280	0.631	434.5	37.9	5
9	Calc	4	0.032	0.575	453.3	34.5	5
9	Calc	5	0.299	0.536	469.3	32.2	5
9	Calc	6	0.536	0.509	483.5	30.6	6
9	Calc	7	0.754	0.488	496.6	29.3	6
9	Calc	8	0.955	0.472	508.7	28.3	6
9	Calc	9	1.146	0.459	520.2	27.6	6
9	Calc	10	1.327	0.449	531.0	27.0	7
9	Calc	11	1.502	0.441	541.5	26.5	7
9	Calc	12	1.671	0.435	551.7	26.1	7
9	Calc	13	1.836	0.431	561.6	25.9	7
9	Calc	14	2.000	0.428	571.5	25.7	7
9	Calc	15	2.160	0.427	581.1	25.6	7
9	Calc	16	2.321	0.427	590.7	25.6	8
9	Calc	17	2.483	0.429	600.5	25.8	8
9	Calc	18	2.647	0.432	610.3	25.9	8
9	Calc	19	2.814	0.437	620.3	26.2	8
9	Calc	20	2.985	0.443	630.6	26.6	8
9	Calc	21	3.161	0.451	641.2	27.1	9
9	Calc	22	3.344	0.460	652.2	27.6	9
9	Calc	23	3.536	0.472	663.7	28.3	9
9	Calc	24	3.740	0.487	675.9	29.2	9
9	Calc	25	3.957	0.505	689.0	30.3	10
9	Calc	26	4.191	0.527	703.0	31.6	10
9	Calc	27	4.449	0.556	718.5	33.4	10
9	Calc	28	4.736	0.594	735.8	35.7	10
9	Calc	29	5.070	0.650	755.8	39.0	10
9	Calc	30	5.478	0.741	780.3	44.5	10
9	Calc	31	6.044	0.918	814.3	55.1	10
9	Calc	32	7.134	1.524	879.8	91.5	10

D.18 Year 9 Reading Score Equivalence Table

Year	Domain	Raw Score	Logit	Logit_SE	Scale Score	Scale SE	Band
9	Reading	0	-3.742	1.464	170.1	98.4	5
9	Reading	1	-2.521	0.863	252.2	58.0	5
9	Reading	2	-1.926	0.682	292.2	45.9	5
9	Reading	3	-1.516	0.588	319.8	39.6	5
9	Reading	4	-1.196	0.529	341.3	35.6	5
9	Reading	5	-0.929	0.488	359.3	32.8	5
9	Reading	6	-0.699	0.457	374.8	30.7	5
9	Reading	7	-0.493	0.433	388.6	29.1	5
9	Reading	8	-0.307	0.414	401.1	27.9	5
9	Reading	9	-0.135	0.399	412.7	26.8	5
9	Reading	10	0.026	0.386	423.5	25.9	5
9	Reading	11	0.177	0.375	433.7	25.2	5
9	Reading	12	0.320	0.366	443.3	24.6	5
9	Reading	13	0.457	0.358	452.5	24.1	5
9	Reading	14	0.589	0.351	461.4	23.6	5
9	Reading	15	0.716	0.346	469.9	23.2	5
9	Reading	16	0.840	0.341	478.3	22.9	6
9	Reading	17	0.960	0.336	486.4	22.6	6
9	Reading	18	1.077	0.333	494.2	22.4	6
9	Reading	19	1.192	0.330	502.0	22.2	6
9	Reading	20	1.305	0.327	509.6	22.0	6
9	Reading	21	1.417	0.326	517.1	21.9	6
9	Reading	22	1.528	0.324	524.6	21.8	6
9	Reading	23	1.638	0.323	532.0	21.7	7
9	Reading	24	1.747	0.323	539.3	21.7	7
9	Reading	25	1.856	0.323	546.6	21.7	7
9	Reading	26	1.966	0.324	554.0	21.8	7
9	Reading	27	2.076	0.325	561.4	21.8	7
9	Reading	28	2.186	0.326	568.8	21.9	7
9	Reading	29	2.298	0.328	576.4	22.1	7
9	Reading	30	2.412	0.331	584.0	22.3	8
9	Reading	31	2.528	0.335	591.8	22.5	8
9	Reading	32	2.646	0.339	599.8	22.8	8
9	Reading	33	2.768	0.344	608.0	23.1	8
9	Reading	34	2.894	0.350	616.4	23.6	8
9	Reading	35	3.024	0.357	625.2	24.0	8

D.18 Year 9 Reading Score Equivalence Table cont.

Year	Domain	Raw Score	Logit	Logit_SE	Scale Score	Scale SE	Band
9	Reading	36	3.160	0.366	634.3	24.6	9
9	Reading	37	3.304	0.376	644.0	25.3	9
9	Reading	38	3.456	0.389	654.2	26.2	9
9	Reading	39	3.620	0.404	665.3	27.2	9
9	Reading	40	3.797	0.423	677.2	28.5	9
9	Reading	41	3.993	0.447	690.4	30.0	10
9	Reading	42	4.214	0.477	705.2	32.1	10
9	Reading	43	4.469	0.519	722.4	34.9	10
9	Reading	44	4.778	0.578	743.2	38.9	10
9	Reading	45	5.178	0.673	770.1	45.3	10
9	Reading	46	5.761	0.854	809.3	57.4	10
9	Reading	47	6.970	1.453	890.6	97.7	10

D.19 Year 9 Spelling Score Equivalence Table

Year	Domain	Raw Score	Logit	Logit_SE	Scale Score	Scale SE	Band
9	Spelling	0	-2.393	1.521	373.0	58.0	5
9	Spelling	1	-1.068	0.915	423.5	34.9	5
9	Spelling	2	-0.385	0.737	449.5	28.1	5
9	Spelling	3	0.108	0.648	468.3	24.7	5
9	Spelling	4	0.510	0.593	483.6	22.6	6
9	Spelling	5	0.857	0.556	496.8	21.2	6
9	Spelling	6	1.170	0.529	508.7	20.2	6
9	Spelling	7	1.457	0.509	519.7	19.4	6
9	Spelling	8	1.727	0.494	530.0	18.8	7
9	Spelling	9	1.982	0.481	539.7	18.3	7
9	Spelling	10	2.226	0.472	549.0	18.0	7
9	Spelling	11	2.463	0.464	558.0	17.7	7
9	Spelling	12	2.692	0.459	566.7	17.5	7
9	Spelling	13	2.917	0.454	575.3	17.3	7
9	Spelling	14	3.139	0.451	583.8	17.2	8
9	Spelling	15	3.358	0.450	592.1	17.1	8
9	Spelling	16	3.576	0.450	600.4	17.1	8
9	Spelling	17	3.795	0.450	608.8	17.2	8
9	Spelling	18	4.014	0.453	617.1	17.3	8
9	Spelling	19	4.236	0.457	625.6	17.4	8
9	Spelling	20	4.463	0.463	634.2	17.6	9
9	Spelling	21	4.696	0.471	643.1	17.9	9
9	Spelling	22	4.938	0.482	652.3	18.4	9
9	Spelling	23	5.193	0.497	662.1	18.9	9
9	Spelling	24	5.466	0.517	672.5	19.7	9
9	Spelling	25	5.764	0.545	683.8	20.8	9
9	Spelling	26	6.100	0.585	696.6	22.3	10
9	Spelling	27	6.495	0.643	711.7	24.5	10
9	Spelling	28	6.990	0.738	730.5	28.1	10
9	Spelling	29	7.687	0.922	757.1	35.1	10
9	Spelling	30	9.045	1.540	808.8	58.7	10

D.20 Year 9 Grammar and Punctuation Score Equivalence Table

Year	Domain	Raw Score	Logit	Logit_SE	Scale Score	Scale SE	Band
9	GP	0	-2.481	1.487	225.5	109.3	5
9	GP	1	-1.432	0.885	302.7	65.0	5
9	GP	2	-0.908	0.706	341.2	51.9	5
9	GP	3	-0.539	0.615	368.3	45.2	5
9	GP	4	-0.245	0.559	389.9	41.1	5
9	GP	5	0.005	0.521	408.3	38.3	5
9	GP	6	0.227	0.493	424.6	36.3	5
9	GP	7	0.430	0.473	439.5	34.8	5
9	GP	8	0.618	0.458	453.3	33.7	5
9	GP	9	0.796	0.446	466.4	32.8	5
9	GP	10	0.967	0.438	479.0	32.2	6
9	GP	11	1.132	0.431	491.1	31.7	6
9	GP	12	1.293	0.427	502.9	31.4	6
9	GP	13	1.451	0.424	514.6	31.2	6
9	GP	14	1.609	0.423	526.2	31.1	6
9	GP	15	1.765	0.423	537.6	31.1	7
9	GP	16	1.923	0.426	549.3	31.3	7
9	GP	17	2.083	0.430	561.0	31.6	7
9	GP	18	2.246	0.435	573.0	32.0	7
9	GP	19	2.415	0.444	585.4	32.6	8
9	GP	20	2.590	0.455	598.3	33.4	8
9	GP	21	2.776	0.470	612.0	34.5	8
9	GP	22	2.975	0.490	626.6	36.0	8
9	GP	23	3.193	0.517	642.6	38.0	9
9	GP	24	3.440	0.555	660.8	40.8	9
9	GP	25	3.730	0.611	682.1	44.9	9
9	GP	26	4.094	0.702	708.8	51.6	10
9	GP	27	4.613	0.881	747.0	64.7	10
9	GP	28	5.657	1.482	823.7	108.9	10

D.21 Years 3, 5, 7, and 9 Persuasive Writing Score Equivalence Table

Year	Domain	Raw Score	Logit	Logit_SE	Scale Score	Scale SE	Band	Bands by Year			
								Y3	Y5	Y7	Y9
3579	Writing	0	-12.540	1.763	94.5	52.3	1	1	3	4	5
3579	Writing	1	-10.960	1.078	141.4	32.0	1	1	3	4	5
3579	Writing	2	-10.070	0.869	167.9	25.8	1	1	3	4	5
3579	Writing	3	-9.450	0.770	186.3	22.9	1	1	3	4	5
3579	Writing	4	-8.933	0.719	201.6	21.3	1	1	3	4	5
3579	Writing	5	-8.463	0.694	215.6	20.6	1	1	3	4	5
3579	Writing	6	-8.008	0.684	229.1	20.3	1	1	3	4	5
3579	Writing	7	-7.551	0.685	242.7	20.3	1	1	3	4	5
3579	Writing	8	-7.083	0.690	256.6	20.5	1	1	3	4	5
3579	Writing	9	-6.600	0.695	270.9	20.6	2	2	3	4	5
3579	Writing	10	-6.110	0.698	285.4	20.7	2	2	3	4	5
3579	Writing	11	-5.622	0.698	299.9	20.7	2	2	3	4	5
3579	Writing	12	-5.136	0.699	314.4	20.8	2	2	3	4	5
3579	Writing	13	-4.647	0.702	328.9	20.8	3	3	3	4	5
3579	Writing	14	-4.151	0.705	343.6	20.9	3	3	3	4	5
3579	Writing	15	-3.649	0.705	358.5	20.9	3	3	3	4	5
3579	Writing	16	-3.146	0.700	373.5	20.8	3	3	3	4	5
3579	Writing	17	-2.655	0.690	388.0	20.5	4	4	4	4	5
3579	Writing	18	-2.185	0.678	402.0	20.1	4	4	4	4	5
3579	Writing	19	-1.735	0.666	415.3	19.8	4	4	4	4	5
3579	Writing	20	-1.300	0.657	428.3	19.5	5	5	5	5	5
3579	Writing	21	-0.875	0.650	440.9	19.3	5	5	5	5	5
3579	Writing	22	-0.457	0.643	453.3	19.1	5	5	5	5	5
3579	Writing	23	-0.047	0.637	465.5	18.9	5	5	5	5	5
3579	Writing	24	0.354	0.631	477.4	18.7	5	5	5	5	5
3579	Writing	25	0.747	0.626	489.0	18.6	6	6	6	6	6
3579	Writing	26	1.134	0.622	500.5	18.5	6	6	6	6	6
3579	Writing	27	1.516	0.620	511.9	18.4	6	6	6	6	6
3579	Writing	28	1.897	0.621	523.2	18.4	6	6	6	6	6
3579	Writing	29	2.280	0.624	534.6	18.5	7	6	7	7	7
3579	Writing	30	2.671	0.629	546.2	18.7	7	6	7	7	7
3579	Writing	31	3.071	0.634	558.0	18.8	7	6	7	7	7
3579	Writing	32	3.482	0.637	570.3	18.9	7	6	7	7	7
3579	Writing	33	3.894	0.636	582.5	18.9	8	6	8	8	8
3579	Writing	34	4.300	0.631	594.5	18.7	8	6	8	8	8
3579	Writing	35	4.694	0.625	606.2	18.6	8	6	8	8	8

D.21 Years 3, 5, 7, and 9 Persuasive Writing Score Equivalence Table cont.

Year	Domain	Raw Score	Logit	Logit_SE	ScaleScore	Scale SE	Band	Bands by Year			
								Y3	Y5	Y7	Y9
3579	Writing	36	5.078	0.621	617.6	18.4	8	6	8	8	8
3579	Writing	37	5.456	0.620	628.9	18.4	8	6	8	8	8
3579	Writing	38	5.835	0.623	640.1	18.5	9	6	8	9	9
3579	Writing	39	6.222	0.631	651.6	18.7	9	6	8	9	9
3579	Writing	40	6.623	0.641	663.5	19.0	9	6	8	9	9
3579	Writing	41	7.042	0.653	676.0	19.4	9	6	8	9	9
3579	Writing	42	7.475	0.665	688.8	19.7	10	6	8	9	10
3579	Writing	43	7.920	0.680	702.0	20.2	10	6	8	9	10
3579	Writing	44	8.381	0.702	715.7	20.9	10	6	8	9	10
3579	Writing	45	8.874	0.743	730.4	22.1	10	6	8	9	10
3579	Writing	46	9.436	0.820	747.0	24.3	10	6	8	9	10
3579	Writing	47	10.159	0.988	768.5	29.3	10	6	8	9	10
3579	Writing	48	11.461	1.599	807.2	47.5	10	6	8	9	10