

# Performance Series Fall-to-Spring Decile Growth Targets

Student growth on Scantron Performance Series assessments is typically measured against growth targets that take each student's grade level and National Percentile Rank (NPR) into account. This document addresses only the decile targets.

## Growth Targets

Growth may be evaluated by observing the average growth achieved nationally by students who performed similarly in the Fall assessment administration, by grade level, quartile, or decile. For example, the average growth (nationally) in Mathematics for a 3<sup>rd</sup> grader with an NPR score between 51 and 60 in the Fall was 147 points. Therefore, the growth target for a student with an NPR score of 53 in the Fall is 147 points.

## Growth Performance Categories

A growth performance category may be assigned by comparing each student's performance with nationally observed gains data. The growth performance categories are:

<b>Far Below</b>	Student's Fall-to-Spring gains are in the <b>bottom 15%</b> of those who performed similarly in the Fall assessment.
<b>Below</b>	Student's Fall-to-Spring gains are <b>between 16 and 50%</b> of those who performed similarly in the Fall assessment.
<b>Above</b>	Student's Fall-to-Spring gains are <b>between 51 and 85%</b> of those who performed similarly in the Fall assessment.
<b>Far Above</b>	Student's Fall-to-Spring gains are in the <b>top 15%</b> of those who performed similarly in the Fall assessment.

To view growth targets for each subject area, refer to the following pages:

<b>Mathematics.....</b>	<b>page 2</b>
<b>Reading Foundations K-2 .....</b>	<b>page 5</b>
<b>Reading.....</b>	<b>page 6</b>
<b>Language Arts .....</b>	<b>page 9</b>
<b>General Science.....</b>	<b>page 11</b>
<b>Algebra .....</b>	<b>page 13</b>
<b>Geometry.....</b>	<b>page 13</b>

## Fall-to-Spring Decile Growth Targets

### Mathematics

(2015–2016 Norm Sample)

NPR	Fall Scaled Score Range	Growth Target	Growth Performance Categories			
			Far Below	Below	Above	Far Above
Grade K						
1 – 10	1441 or less	358	< 196	196 to 357	358 to 520	> 520
11 – 20	1442 to 1498	272	< 111	111 to 271	272 to 433	> 433
21 – 30	1499 to 1538	247	< 80	80 to 246	247 to 414	> 414
31 – 40	1539 to 1576	199	< 46	46 to 198	199 to 352	> 352
41 – 50	1577 to 1612	173	< 22	22 to 172	173 to 324	> 324
51 – 60	1613 to 1651	193	< 35	35 to 192	193 to 351	> 351
61 – 70	1652 to 1700	173	< 24	24 to 172	173 to 322	> 322
71 – 80	1701 to 1755	188	< 43	43 to 187	188 to 333	> 333
81 – 90	1756 to 1847	134	< 6	6 to 133	134 to 262	> 262
91 – 99	1848 or more	113	< -41	-41 to 112	113 to 267	> 267
Grade 1						
1 – 10	1593 or less	348	< 178	178 to 347	348 to 518	> 518
11 – 20	1594 to 1679	261	< 120	120 to 260	261 to 402	> 402
21 – 30	1680 to 1739	239	< 108	108 to 238	239 to 370	> 370
31 – 40	1740 to 1779	226	< 97	97 to 225	226 to 355	> 355
41 – 50	1780 to 1825	212	< 79	79 to 211	212 to 345	> 345
51 – 60	1826 to 1868	206	< 91	91 to 205	206 to 321	> 321
61 – 70	1869 to 1902	177	< 64	64 to 176	177 to 290	> 290
71 – 80	1903 to 1944	205	< 78	78 to 204	205 to 332	> 332
81 – 90	1945 to 2011	197	< 85	85 to 196	197 to 309	> 309
91 – 99	2012 or more	182	< 62	62 to 181	182 to 302	> 302
Grade 2						
1 – 10	1822 or less	281	< 109	109 to 280	281 to 453	> 453
11 – 20	1823 to 1903	222	< 86	86 to 221	222 to 358	> 358
21 – 30	1904 to 1953	220	< 95	95 to 219	220 to 345	> 345
31 – 40	1954 to 2000	217	< 100	100 to 216	217 to 334	> 334
41 – 50	2001 to 2040	208	< 101	101 to 207	208 to 315	> 315
51 – 60	2041 to 2082	205	< 107	107 to 204	205 to 303	> 303
61 – 70	2083 to 2138	181	< 90	90 to 180	181 to 272	> 272
71 – 80	2139 to 2195	155	< 67	67 to 154	155 to 243	> 243
81 – 90	2196 to 2279	125	< 45	45 to 124	125 to 205	> 205
91 – 99	2280 or more	90	< 2	2 to 89	90 to 178	> 178

## Mathematics, continued

NPR	Fall Scaled Score Range	Growth Target	Growth Performance Categories			
			Far Below	Below	Above	Far Above
Grade 3						
1 – 10	1983 or less	243	< 84	84 to 242	243 to 402	> 402
11 – 20	1984 to 2074	214	< 87	87 to 213	214 to 341	> 341
21 – 30	2075 to 2143	194	< 80	80 to 193	194 to 308	> 308
31 – 40	2144 to 2196	172	< 66	66 to 171	172 to 278	> 278
41 – 50	2197 to 2243	165	< 63	63 to 164	165 to 267	> 267
51 – 60	2244 to 2283	147	< 44	44 to 146	147 to 250	> 250
61 – 70	2284 to 2322	139	< 50	50 to 138	139 to 228	> 228
71 – 80	2323 to 2365	130	< 38	38 to 129	130 to 222	> 222
81 – 90	2366 to 2424	124	< 26	26 to 123	124 to 222	> 222
91 – 99	2425 or more	110	< 13	13 to 109	110 to 207	> 207
Grade 4						
1 – 10	2127 or less	206	< 47	47 to 205	206 to 365	> 365
11 – 20	2128 to 2228	155	< 37	37 to 154	155 to 273	> 273
21 – 30	2229 to 2290	141	< 35	35 to 140	141 to 247	> 247
31 – 40	2291 to 2333	125	< 25	25 to 124	125 to 225	> 225
41 – 50	2334 to 2370	128	< 31	31 to 127	128 to 225	> 225
51 – 60	2371 to 2411	122	< 25	25 to 121	122 to 219	> 219
61 – 70	2412 to 2453	117	< 24	24 to 116	117 to 210	> 210
71 – 80	2454 to 2499	111	< 15	15 to 110	111 to 207	> 207
81 – 90	2500 to 2566	117	< 19	19 to 116	117 to 215	> 215
91 – 99	2567 or more	110	< 3	3 to 109	110 to 217	> 217
Grade 5						
1 – 10	2234 or less	177	< 21	21 to 176	177 to 333	> 333
11 – 20	2235 to 2323	129	< 1	1 to 128	129 to 257	> 257
21 – 30	2324 to 2381	128	< 17	17 to 127	128 to 239	> 239
31 – 40	2382 to 2428	122	< 13	13 to 121	122 to 231	> 231
41 – 50	2429 to 2474	111	< 10	10 to 110	111 to 212	> 212
51 – 60	2475 to 2513	112	< 14	14 to 111	112 to 210	> 210
61 – 70	2514 to 2555	114	< 21	21 to 113	114 to 207	> 207
71 – 80	2556 to 2601	108	< 14	14 to 107	108 to 202	> 202
81 – 90	2602 to 2666	107	< 10	10 to 106	107 to 204	> 204
91 – 99	2667 or more	107	< -2	-2 to 106	107 to 216	> 216
Grade 6						
1 – 10	2300 or less	158	< -5	-5 to 157	158 to 321	> 321
11 – 20	2301 to 2399	117	< -19	-19 to 116	117 to 253	> 253
21 – 30	2400 to 2468	114	< -9	-9 to 113	114 to 237	> 237
31 – 40	2469 to 2518	110	< -8	-8 to 109	110 to 228	> 228
41 – 50	2519 to 2561	104	< -13	-13 to 103	104 to 221	> 221
51 – 60	2562 to 2601	109	< 4	4 to 108	109 to 214	> 214
61 – 70	2602 to 2643	105	< -5	-5 to 104	105 to 215	> 215
71 – 80	2644 to 2701	112	< 2	2 to 111	112 to 222	> 222
81 – 90	2702 to 2787	110	< -4	-4 to 109	110 to 224	> 224
91 – 99	2788 or more	92	< -18	-18 to 91	92 to 202	> 202

## Mathematics, continued

NPR	Fall Scaled Score Range	Growth Target	Growth Performance Categories			
			Far Below	Below	Above	Far Above
Grade 7						
1 – 10	2361 or less	147	< -21	-21 to 146	147 to 315	> 315
11 – 20	2362 to 2477	105	< -29	-29 to 104	105 to 239	> 239
21 – 30	2478 to 2546	90	< -30	-30 to 89	90 to 210	> 210
31 – 40	2547 to 2592	93	< -21	-21 to 92	93 to 207	> 207
41 – 50	2593 to 2641	97	< -15	-15 to 96	97 to 209	> 209
51 – 60	2642 to 2693	97	< -7	-7 to 96	97 to 201	> 201
61 – 70	2694 to 2747	92	< -17	-17 to 91	92 to 201	> 201
71 – 80	2748 to 2810	94	< -15	-15 to 93	94 to 203	> 203
81 – 90	2811 to 2903	97	< -15	-15 to 96	97 to 209	> 209
91 – 99	2904 or more	84	< -38	-38 to 83	84 to 206	> 206
Grade 8						
1 – 10	2399 or less	146	< -35	-35 to 145	146 to 327	> 327
11 – 20	2400 to 2520	94	< -53	-53 to 93	94 to 241	> 241
21 – 30	2521 to 2585	90	< -41	-41 to 89	90 to 221	> 221
31 – 40	2586 to 2645	86	< -28	-28 to 85	86 to 200	> 200
41 – 50	2646 to 2702	83	< -38	-38 to 82	83 to 204	> 204
51 – 60	2703 to 2759	80	< -38	-38 to 79	80 to 198	> 198
61 – 70	2760 to 2819	84	< -45	-45 to 83	84 to 213	> 213
71 – 80	2820 to 2895	87	< -28	-28 to 86	87 to 202	> 202
81 – 90	2896 to 2994	79	< -33	-33 to 78	79 to 191	> 191
91 – 99	2995 or more	85	< -39	-39 to 84	85 to 209	> 209
Grade 9						
1 – 10	2433 or less	101	< -80	-80 to 100	101 to 282	> 282
11 – 20	2434 to 2539	54	< -102	-102 to 53	54 to 210	> 210
21 – 30	2540 to 2607	69	< -62	-62 to 68	69 to 200	> 200
31 – 40	2608 to 2669	69	< -78	-78 to 68	69 to 216	> 216
41 – 50	2670 to 2720	65	< -51	-51 to 64	65 to 181	> 181
51 – 60	2721 to 2781	56	< -61	-61 to 55	56 to 173	> 173
61 – 70	2782 to 2842	61	< -63	-63 to 60	61 to 185	> 185
71 – 80	2843 to 2923	52	< -56	-56 to 51	52 to 160	> 160
81 – 90	2924 to 3035	50	< -61	-61 to 49	50 to 161	> 161
91 – 99	3036 or more	53	< -63	-63 to 52	53 to 169	> 169
Grade 10						
1 – 10	2399 or less	124	< -83	-83 to 123	124 to 331	> 331
11 – 20	2400 to 2532	62	< -91	-91 to 61	62 to 215	> 215
21 – 30	2533 to 2603	69	< -65	-65 to 68	69 to 203	> 203
31 – 40	2604 to 2662	42	< -105	-105 to 41	42 to 189	> 189
41 – 50	2663 to 2715	60	< -80	-80 to 59	60 to 200	> 200
51 – 60	2716 to 2774	52	< -79	-79 to 51	52 to 185	> 185
61 – 70	2775 to 2836	72	< -86	-86 to 71	72 to 230	> 230
71 – 80	2837 to 2905	50	< -81	-81 to 49	50 to 181	> 181
81 – 90	2906 to 3008	48	< -84	-84 to 47	48 to 180	> 180
91 – 99	3009 or more	59	< -64	-64 to 58	59 to 182	> 182

## Fall-to-Spring Decile Growth Targets

### Reading Foundations K-2

### (2015–2016 Norm Sample)

NPR	Fall Scaled Score Range	Growth Target	Growth Performance Categories			
			Far Below	Below	Above	Far Above
Grade K						
1 – 10	1216 or less	416	< 199	199 to 415	416 to 633	> 633
11 – 20	1217 to 1279	360	< 159	159 to 359	360 to 561	> 561
21 – 30	1280 to 1328	365	< 152	152 to 364	365 to 578	> 578
31 – 40	1329 to 1378	317	< 125	125 to 316	317 to 509	> 509
41 – 50	1379 to 1415	325	< 130	130 to 324	325 to 520	> 520
51 – 60	1416 to 1456	314	< 107	107 to 313	314 to 521	> 521
61 – 70	1457 to 1509	340	< 155	155 to 339	340 to 525	> 525
71 – 80	1510 to 1604	311	< 114	114 to 310	311 to 508	> 508
81 – 90	1605 to 1679	306	< 103	103 to 305	306 to 509	> 509
91 – 99	1680 or more	193	< 7	7 to 192	193 to 379	> 379
Grade 1						
1 – 10	1388 or less	421	< 219	219 to 420	421 to 623	> 623
11 – 20	1389 to 1492	366	< 156	156 to 365	366 to 576	> 576
21 – 30	1493 to 1574	324	< 127	127 to 323	324 to 521	> 521
31 – 40	1575 to 1624	315	< 126	126 to 314	315 to 504	> 504
41 – 50	1625 to 1675	308	< 142	142 to 307	308 to 474	> 474
51 – 60	1676 to 1745	265	< 84	84 to 264	265 to 446	> 446
61 – 70	1746 to 1817	250	< 87	87 to 249	250 to 413	> 413
71 – 80	1818 to 1882	255	< 94	94 to 254	255 to 416	> 416
81 – 90	1883 to 1986	203	< 60	60 to 202	203 to 346	> 346
91 – 99	1987 or more	183	< 39	39 to 182	183 to 327	> 327
Grade 2						
1 – 10	1590 or less	300	< 73	73 to 299	300 to 527	> 527
11 – 20	1591 to 1720	259	< 100	100 to 258	259 to 418	> 418
21 – 30	1721 to 1811	195	< 45	45 to 194	195 to 345	> 345
31 – 40	1812 to 1876	204	< 49	49 to 203	204 to 359	> 359
41 – 50	1877 to 1946	161	< -21	-21 to 160	161 to 343	> 343
51 – 60	1947 to 2004	154	< 19	19 to 153	154 to 289	> 289
61 – 70	2005 to 2071	145	< 12	12 to 144	145 to 278	> 278
71 – 80	2072 to 2160	132	< -10	-10 to 131	132 to 274	> 274
81 – 90	2161 to 2262	136	< -3	-3 to 135	136 to 275	> 275
91 – 99	2263 or more	98	< -50	-50 to 97	98 to 246	> 246

## Fall-to-Spring Decile Growth Targets

### Reading

### (2015–2016 Norm Sample)

NPR	Fall Scaled Score Range	Growth Target	Growth Performance Categories			
			Far Below	Below	Above	Far Above
Grade 2						
1 – 10	1693 or less	266	< 80	80 to 265	266 to 452	> 452
11 – 20	1694 to 1767	255	< 57	57 to 254	255 to 453	> 453
21 – 30	1768 to 1842	267	< 65	65 to 266	267 to 469	> 469
31 – 40	1843 to 1914	299	< 108	108 to 298	299 to 490	> 490
41 – 50	1915 to 2009	288	< 115	115 to 287	288 to 461	> 461
51 – 60	2010 to 2101	283	< 118	118 to 282	283 to 448	> 448
61 – 70	2102 to 2214	250	< 85	85 to 249	250 to 415	> 415
71 – 80	2215 to 2325	218	< 67	67 to 217	218 to 369	> 369
81 – 90	2326 to 2456	193	< 52	52 to 192	193 to 334	> 334
91 – 99	2457 or more	136	< 0	0 to 135	136 to 272	> 272
Grade 3						
1 – 10	1835 or less	231	< 25	25 to 230	231 to 437	> 437
11 – 20	1836 to 1982	248	< 47	47 to 247	248 to 449	> 449
21 – 30	1983 to 2089	243	< 50	50 to 242	243 to 436	> 436
31 – 40	2090 to 2207	219	< 30	30 to 218	219 to 408	> 408
41 – 50	2208 to 2300	209	< 37	37 to 208	209 to 381	> 381
51 – 60	2301 to 2389	195	< 36	36 to 194	195 to 354	> 354
61 – 70	2390 to 2485	183	< 32	32 to 182	183 to 334	> 334
71 – 80	2486 to 2580	159	< 22	22 to 158	159 to 296	> 296
81 – 90	2581 to 2695	136	< 6	6 to 135	136 to 266	> 266
91 – 99	2696 or more	86	< -36	-36 to 85	86 to 208	> 208
Grade 4						
1 – 10	2001 or less	228	< 4	4 to 227	228 to 452	> 452
11 – 20	2002 to 2188	224	< 16	16 to 223	224 to 432	> 432
21 – 30	2189 to 2323	195	< 6	6 to 194	195 to 384	> 384
31 – 40	2324 to 2422	173	< 10	10 to 172	173 to 336	> 336
41 – 50	2423 to 2518	153	< 2	2 to 152	153 to 304	> 304
51 – 60	2519 to 2605	142	< -12	-12 to 141	142 to 296	> 296
61 – 70	2606 to 2691	126	< -15	-15 to 125	126 to 267	> 267
71 – 80	2692 to 2780	108	< -39	-39 to 107	108 to 255	> 255
81 – 90	2781 to 2909	81	< -40	-40 to 80	81 to 202	> 202
91 – 99	2910 or more	45	< -66	-66 to 44	45 to 156	> 156

## Reading, continued

NPR	Fall Scaled Score Range	Growth Target	Growth Performance Categories			
			Far Below	Below	Above	Far Above
Grade 5						
1 – 10	2163 or less	243	< 17	17 to 242	243 to 469	> 469
11 – 20	2164 to 2366	186	< -17	-17 to 185	186 to 389	> 389
21 – 30	2367 to 2496	148	< -29	-29 to 147	148 to 325	> 325
31 – 40	2497 to 2592	135	< -25	-25 to 134	135 to 295	> 295
41 – 50	2593 to 2677	120	< -21	-21 to 119	120 to 261	> 261
51 – 60	2678 to 2746	110	< -25	-25 to 109	110 to 245	> 245
61 – 70	2747 to 2824	102	< -28	-28 to 101	102 to 232	> 232
71 – 80	2825 to 2907	78	< -43	-43 to 77	78 to 199	> 199
81 – 90	2908 to 3001	60	< -53	-53 to 59	60 to 173	> 173
91 – 99	3002 or more	27	< -81	-81 to 26	27 to 135	> 135
Grade 6						
1 – 10	2285 or less	196	< -42	-42 to 195	196 to 434	> 434
11 – 20	2286 to 2500	150	< -52	-52 to 149	150 to 352	> 352
21 – 30	2501 to 2622	106	< -70	-70 to 105	106 to 282	> 282
31 – 40	2623 to 2713	94	< -71	-71 to 93	94 to 259	> 259
41 – 50	2714 to 2791	97	< -52	-52 to 96	97 to 246	> 246
51 – 60	2792 to 2863	75	< -70	-70 to 74	75 to 220	> 220
61 – 70	2864 to 2937	69	< -58	-58 to 68	69 to 196	> 196
71 – 80	2938 to 3010	56	< -67	-67 to 55	56 to 179	> 179
81 – 90	3011 to 3111	35	< -71	-71 to 34	35 to 141	> 141
91 – 99	3112 or more	1	< -108	-108 to 0	1 to 106	> 106
Grade 7						
1 – 10	2395 or less	190	< -56	-56 to 189	190 to 436	> 436
11 – 20	2396 to 2606	114	< -94	-94 to 113	114 to 322	> 322
21 – 30	2607 to 2719	84	< -96	-96 to 83	84 to 264	> 264
31 – 40	2720 to 2807	84	< -73	-73 to 83	84 to 241	> 241
41 – 50	2808 to 2886	70	< -80	-80 to 69	70 to 220	> 220
51 – 60	2887 to 2954	53	< -78	-78 to 52	53 to 184	> 184
61 – 70	2955 to 3021	47	< -81	-81 to 46	47 to 175	> 175
71 – 80	3022 to 3090	45	< -84	-84 to 44	45 to 174	> 174
81 – 90	3091 to 3186	31	< -82	-82 to 30	31 to 144	> 144
91 – 99	3187 or more	16	< -99	-99 to 15	16 to 131	> 131
Grade 8						
1 – 10	2487 or less	195	< -73	-73 to 194	195 to 463	> 463
11 – 20	2488 to 2677	116	< -86	-86 to 115	116 to 318	> 318
21 – 30	2678 to 2785	86	< -92	-92 to 85	86 to 264	> 264
31 – 40	2786 to 2877	76	< -86	-86 to 75	76 to 238	> 238
41 – 50	2878 to 2947	71	< -68	-68 to 70	71 to 210	> 210
51 – 60	2948 to 3020	52	< -82	-82 to 51	52 to 186	> 186
61 – 70	3021 to 3085	40	< -89	-89 to 39	40 to 169	> 169
71 – 80	3086 to 3154	40	< -78	-78 to 39	40 to 158	> 158
81 – 90	3155 to 3248	28	< -85	-85 to 27	28 to 141	> 141
91 – 99	3249 or more	0	< -114	-114 to -1	0 to 96	> 96

## Reading, continued

NPR	Fall Scaled Score Range	Growth Target	Growth Performance Categories			
			Far Below	Below	Above	Far Above
Grade 9						
1 – 10	2565 or less	164	< -123	-123 to 163	164 to 451	> 451
11 – 20	2566 to 2728	76	< -129	-129 to 75	76 to 281	> 281
21 – 30	2729 to 2830	66	< -123	-123 to 65	66 to 255	> 255
31 – 40	2831 to 2902	45	< -125	-125 to 44	45 to 215	> 215
41 – 50	2903 to 2973	32	< -136	-136 to 31	32 to 200	> 200
51 – 60	2974 to 3038	18	< -146	-146 to 17	18 to 182	> 182
61 – 70	3039 to 3109	7	< -134	-134 to 6	7 to 148	> 148
71 – 80	3110 to 3186	24	< -107	-107 to 23	24 to 155	> 155
81 – 90	3187 to 3283	9	< -120	-120 to 8	9 to 138	> 138
91 – 99	3284 or more	0	< -129	-129 to -1	0 to 97	> 97
Grade 10						
1 – 10	2556 or less	171	< -98	-98 to 170	171 to 440	> 440
11 – 20	2557 to 2734	68	< -164	-164 to 67	68 to 300	> 300
21 – 30	2735 to 2853	47	< -197	-197 to 46	47 to 291	> 291
31 – 40	2854 to 2936	42	< -135	-135 to 41	42 to 219	> 219
41 – 50	2937 to 3005	35	< -142	-142 to 34	35 to 212	> 212
51 – 60	3006 to 3067	7	< -164	-164 to 6	7 to 178	> 178
61 – 70	3068 to 3128	22	< -123	-123 to 21	22 to 167	> 167
71 – 80	3129 to 3204	17	< -153	-153 to 16	17 to 147	> 147
81 – 90	3205 to 3296	6	< -120	-120 to 5	6 to 132	> 132
91 – 99	3297 or more	0	< -165	-165 to -1	0 to 99	> 99
Grade 11						
1 – 10	2537 or less	186	< -102	-102 to 185	186 to 474	> 474
11 – 20	2538 to 2740	51	< -223	-223 to 50	51 to 325	> 325
21 – 30	2741 to 2852	66	< -112	-112 to 65	66 to 244	> 244
31 – 40	2853 to 2942	38	< -152	-152 to 37	38 to 228	> 228
41 – 50	2943 to 3028	19	< -200	-200 to 18	19 to 238	> 238
51 – 60	3029 to 3096	25	< -145	-145 to 24	25 to 195	> 195
61 – 70	3097 to 3172	14	< -184	-184 to 13	14 to 166	> 166
71 – 80	3173 to 3237	10	< -139	-139 to 9	10 to 127	> 127
81 – 90	3238 to 3342	5	< -123	-123 to 4	5 to 133	> 133
91 – 99	3343 or more	0	< -191	-191 to -1	0 to 111	> 111



## Fall-to-Spring Decile Growth Targets

### Language Arts

### (2014–2016\* Norm Sample)

NPR	Fall Scaled Score Range	Growth Target	Growth Performance Categories			
			Far Below	Below	Above	Far Above
Grade 2						
1 – 10	1768 or less	317	< 118	118 to 316	317 to 516	> 516
11 – 20	1769 to 1833	277	< 99	99 to 276	277 to 455	> 455
21 – 30	1834 to 1913	270	< 112	112 to 269	270 to 428	> 428
31 – 40	1914 to 1991	246	< 100	100 to 245	246 to 392	> 392
41 – 50	1992 to 2047	232	< 98	98 to 231	232 to 366	> 366
51 – 60	2048 to 2100	198	< 94	94 to 197	198 to 302	> 302
61 – 70	2101 to 2171	194	< 78	78 to 193	194 to 310	> 310
71 – 80	2172 to 2241	130	< -1	-1 to 129	130 to 261	> 261
81 – 90	2242 to 2318	117	< 5	5 to 116	117 to 229	> 229
91 – 99	2319 or more	77	< -36	-36 to 76	77 to 190	> 190
Grade 3						
1 – 10	1948 or less	223	< 49	49 to 222	223 to 397	> 397
11 – 20	1949 to 2069	199	< 66	66 to 198	199 to 332	> 332
21 – 30	2070 to 2159	172	< 38	38 to 171	172 to 306	> 306
31 – 40	2160 to 2225	138	< 11	11 to 137	138 to 265	> 265
41 – 50	2226 to 2286	108	< -26	-26 to 107	108 to 242	> 242
51 – 60	2287 to 2338	120	< -5	-5 to 119	120 to 245	> 245
61 – 70	2339 to 2387	123	< 0	0 to 122	123 to 246	> 246
71 – 80	2388 to 2439	96	< -18	-18 to 95	96 to 210	> 210
81 – 90	2440 to 2521	94	< -15	-15 to 93	94 to 203	> 203
91 – 99	2522 or more	51	< -46	-46 to 50	51 to 148	> 148
Grade 4						
1 – 10	2071 or less	203	< 30	30 to 202	203 to 376	> 376
11 – 20	2072 to 2185	140	< 3	3 to 139	140 to 277	> 277
21 – 30	2186 to 2262	111	< -26	-26 to 110	111 to 248	> 248
31 – 40	2263 to 2323	119	< 12	12 to 118	119 to 226	> 226
41 – 50	2324 to 2375	94	< -23	-23 to 93	94 to 211	> 211
51 – 60	2376 to 2429	95	< -18	-18 to 94	95 to 208	> 208
61 – 70	2430 to 2486	77	< -21	-21 to 76	77 to 175	> 175
71 – 80	2487 to 2550	68	< -24	-24 to 67	68 to 160	> 160
81 – 90	2551 to 2628	50	< -46	-46 to 49	50 to 146	> 146
91 – 99	2629 or more	31	< -56	-56 to 30	31 to 118	> 118

**NOTE:** The norm data for Language Arts came from students who completed tests in the 2014–2015 or the 2015–2016 school year. Students who completed the test in both school years are included only for the first year tested.

## Language Arts, continued

NPR	Fall Scaled Score Range	Growth Target	Growth Performance Categories			
			Far Below	Below	Above	Far Above
Grade 5						
1 – 10	2141 or less	199	< 5	5 to 198	199 to 393	> 393
11 – 20	2142 to 2264	133	< -3	-3 to 132	133 to 269	> 269
21 – 30	2265 to 2334	113	< -22	-22 to 112	113 to 248	> 248
31 – 40	2335 to 2402	91	< -23	-23 to 90	91 to 205	> 205
41 – 50	2403 to 2470	74	< -45	-45 to 73	74 to 193	> 193
51 – 60	2471 to 2525	67	< -49	-49 to 66	67 to 183	> 183
61 – 70	2526 to 2582	63	< -31	-31 to 62	63 to 157	> 157
71 – 80	2583 to 2633	66	< -25	-25 to 65	66 to 157	> 157
81 – 90	2634 to 2703	39	< -61	-61 to 38	39 to 139	> 139
91 – 99	2704 or more	35	< -61	-61 to 34	35 to 131	> 131
Grade 6						
1 – 10	2227 or less	180	< 12	12 to 179	180 to 348	> 348
11 – 20	2228 to 2345	104	< -31	-31 to 103	104 to 239	> 239
21 – 30	2346 to 2428	65	< -67	-67 to 64	65 to 197	> 197
31 – 40	2429 to 2491	64	< -34	-34 to 63	64 to 162	> 162
41 – 50	2492 to 2544	60	< -39	-39 to 59	60 to 159	> 159
51 – 60	2545 to 2591	59	< -39	-39 to 58	59 to 157	> 157
61 – 70	2592 to 2644	51	< -41	-41 to 50	51 to 143	> 143
71 – 80	2645 to 2699	37	< -59	-59 to 36	37 to 133	> 133
81 – 90	2700 to 2762	23	< -83	-83 to 22	23 to 129	> 129
91 – 99	2763 or more	32	< -69	-69 to 31	32 to 133	> 133
Grade 7						
1 – 10	2267 or less	146	< -59	-59 to 145	146 to 351	> 351
11 – 20	2268 to 2395	80	< -62	-62 to 79	80 to 222	> 222
21 – 30	2396 to 2470	58	< -98	-98 to 57	58 to 214	> 214
31 – 40	2471 to 2537	39	< -76	-76 to 38	39 to 154	> 154
41 – 50	2538 to 2590	40	< -65	-65 to 39	40 to 145	> 145
51 – 60	2591 to 2643	44	< -70	-70 to 43	44 to 158	> 158
61 – 70	2644 to 2689	32	< -64	-64 to 31	32 to 128	> 128
71 – 80	2690 to 2742	28	< -78	-78 to 27	28 to 134	> 134
81 – 90	2743 to 2816	27	< -80	-80 to 26	27 to 134	> 134
91 – 99	2817 or more	36	< -86	-86 to 35	36 to 158	> 158
Grade 8						
1 – 10	2292 or less	154	< -15	-15 to 153	154 to 323	> 323
11 – 20	2293 to 2422	101	< -32	-32 to 100	101 to 234	> 234
21 – 30	2423 to 2502	62	< -66	-66 to 61	62 to 190	> 190
31 – 40	2503 to 2562	55	< -77	-77 to 54	55 to 187	> 187
41 – 50	2563 to 2610	23	< -83	-83 to 22	23 to 131	> 131
51 – 60	2611 to 2654	27	< -80	-80 to 26	27 to 134	> 134
61 – 70	2655 to 2697	23	< -88	-88 to 22	23 to 134	> 134
71 – 80	2698 to 2753	21	< -87	-87 to 20	21 to 129	> 129
81 – 90	2754 to 2833	2	< -103	-103 to 1	2 to 107	> 107
91 – 99	2834 or more	6	< -97	-97 to 5	6 to 109	> 109

## Fall-to-Spring Decile Growth Targets

### General Science

### (2011–2012 Norm Sample)

NPR	Fall Scaled Score Range	Growth Target	Growth Performance Categories			
			Far Below	Below	Above	Far Above
Grade 2						
1 – 10	1851 or less	286	< 118	118 to 285	286 to 454	> 454
11 – 20	1852 to 1931	269	< 118	118 to 268	269 to 420	> 420
21 – 30	1932 to 2010	261	< 142	142 to 260	261 to 381	> 381
31 – 40	2011 to 2073	189	< 53	53 to 188	189 to 326	> 326
41 – 50	2074 to 2137	221	< 109	109 to 220	221 to 334	> 334
51 – 60	2138 to 2190	167	< 44	44 to 166	167 to 291	> 291
61 – 70	2191 to 2246	152	< 51	51 to 151	152 to 253	> 253
71 – 80	2247 to 2305	145	< 38	38 to 144	145 to 251	> 251
81 – 90	2306 to 2401	115	< -9	-9 to 114	115 to 239	> 239
91 – 99	2402 or more	97	< -16	-16 to 96	97 to 210	> 210
Grade 3						
1 – 10	2039 or less	286	< 118	118 to 285	286 to 454	> 454
11 – 20	2040 to 2142	184	< 71	71 to 183	184 to 296	> 296
21 – 30	2143 to 2217	137	< 19	19 to 136	137 to 256	> 256
31 – 40	2218 to 2279	134	< 41	41 to 133	134 to 228	> 228
41 – 50	2280 to 2332	120	< 19	19 to 119	120 to 222	> 222
51 – 60	2333 to 2377	107	< -3	-3 to 106	107 to 217	> 217
61 – 70	2378 to 2428	111	< 19	19 to 110	111 to 203	> 203
71 – 80	2429 to 2480	92	< -12	-12 to 91	92 to 197	> 197
81 – 90	2481 to 2553	85	< -13	-13 to 84	85 to 183	> 183
91 – 99	2554 or more	41	< -76	-76 to 40	41 to 158	> 158
Grade 4						
1 – 10	2171 or less	169	< 0	0 to 168	169 to 338	> 338
11 – 20	2172 to 2270	115	< -17	-17 to 114	115 to 246	> 246
21 – 30	2271 to 2331	112	< 7	7 to 111	112 to 217	> 217
31 – 40	2332 to 2385	91	< -22	-22 to 90	91 to 203	> 203
41 – 50	2386 to 2437	80	< -17	-17 to 79	80 to 176	> 176
51 – 60	2438 to 2479	96	< -16	-16 to 95	96 to 207	> 207
61 – 70	2480 to 2528	83	< -21	-21 to 82	83 to 187	> 187
71 – 80	2529 to 2594	63	< -38	-38 to 62	63 to 165	> 165
81 – 90	2595 to 2662	48	< -53	-53 to 47	48 to 150	> 150
91 – 99	2663 or more	26	< -76	-76 to 25	26 to 129	> 129

## General Science, continued

NPR	Fall Scaled Score Range	Growth Target	Growth Performance Categories			
			Far Below	Below	Above	Far Above
Grade 5						
1 – 10	2277 or less	152	< -14	-14 to 151	152 to 317	> 317
11 – 20	2278 to 2363	111	< 0	0 to 110	111 to 222	> 222
21 – 30	2364 to 2431	83	< -30	-30 to 82	83 to 195	> 195
31 – 40	2432 to 2474	75	< -51	-51 to 74	75 to 201	> 201
41 – 50	2475 to 2519	64	< -41	-41 to 63	64 to 168	> 168
51 – 60	2520 to 2568	66	< -32	-32 to 65	66 to 164	> 164
61 – 70	2569 to 2615	64	< -34	-34 to 63	64 to 161	> 161
71 – 80	2616 to 2667	45	< -51	-51 to 44	45 to 141	> 141
81 – 90	2668 to 2726	40	< -52	-52 to 39	40 to 132	> 132
91 – 99	2727 or more	23	< -85	-85 to 22	23 to 131	> 131
Grade 6						
1 – 10	2319 or less	150	< -17	-17 to 149	150 to 316	> 316
11 – 20	2320 to 2416	88	< -45	-45 to 87	88 to 221	> 221
21 – 30	2417 to 2477	87	< -24	-24 to 86	87 to 198	> 198
31 – 40	2478 to 2531	75	< -33	-33 to 74	75 to 183	> 183
41 – 50	2532 to 2584	63	< -49	-49 to 62	63 to 176	> 176
51 – 60	2585 to 2630	48	< -53	-53 to 47	48 to 148	> 148
61 – 70	2631 to 2671	45	< -49	-49 to 44	45 to 139	> 139
71 – 80	2672 to 2728	32	< -64	-64 to 31	32 to 128	> 128
81 – 90	2729 to 2797	38	< -50	-50 to 37	38 to 126	> 126
91 – 99	2798 or more	21	< -72	-72 to 20	21 to 113	> 113
Grade 7						
1 – 10	2392 or less	138	< -24	-24 to 137	138 to 300	> 300
11 – 20	2393 to 2480	91	< -27	-27 to 90	91 to 208	> 208
21 – 30	2481 to 2545	68	< -39	-39 to 67	68 to 176	> 176
31 – 40	2546 to 2594	72	< -30	-30 to 71	72 to 174	> 174
41 – 50	2595 to 2639	57	< -42	-42 to 56	57 to 156	> 156
51 – 60	2640 to 2679	66	< -36	-36 to 65	66 to 168	> 168
61 – 70	2680 to 2724	54	< -46	-46 to 53	54 to 155	> 155
71 – 80	2725 to 2773	54	< -37	-37 to 53	54 to 145	>145
81 – 90	2774 to 2836	49	< -31	-31 to 48	49 to 130	> 130
91 – 99	2837 or more	40	< -61	-61 to 39	40 to 141	> 141
Grade 8						
1 – 10	2416 or less	123	< -42	-42 to 122	123 to 287	> 287
11 – 20	2417 to 2508	77	< -49	-49 to 76	77 to 203	> 203
21 – 30	2509 to 2577	68	< -55	-55 to 67	68 to 190	> 190
31 – 40	2578 to 2631	46	< -54	-54 to 45	46 to 146	> 146
41 – 50	2632 to 2674	30	< -73	-73 to 29	30 to 134	> 134
51 – 60	2675 to 2717	33	< -63	-63 to 32	33 to 128	> 128
61 – 70	2718 to 2762	36	< -54	-54 to 35	36 to 125	> 125
71 – 80	2763 to 2813	28	< -59	-59 to 27	28 to 115	> 115
81 – 90	2814 to 2888	27	< -64	-64 to 26	27 to 118	> 118
91 – 99	2889 or more	22	< -83	-83 to 21	22 to 127	> 127

## Fall-to-Spring Decile Growth Targets

### Algebra and Geometry

### (2013–2015\* Norm Sample)

### Algebra

NPR	Fall Scaled Score Range	Growth Target	Growth Performance Categories			
			Far Below	Below	Above	Far Above
Grades 8–12						
1 – 10	5281 or less	80	< 22	22 to 79	80 to 139	> 139
11 – 20	5282 to 5307	58	< 2	2 to 57	58 to 116	> 116
21 – 30	5308 to 5327	52	< -10	-10 to 51	52 to 112	> 112
31 – 40	5328 to 5345	50	< -12	-12 to 49	50 to 114	> 114
41 – 50	5346 to 5364	60	< -8	-8 to 59	60 to 117	> 117
51 – 60	5365 to 5385	52	< -22	-22 to 51	52 to 110	> 110
61 – 70	5386 to 5410	51	< -19	-19 to 50	51 to 111	> 111
71 – 80	5411 to 5443	44	< -10	-10 to 43	44 to 95	> 95
81 – 90	5444 to 5484	40	< -25	-25 to 39	40 to 90	> 90
91 – 99	5485 or more	29	< -37	-37 to 28	29 to 87	> 87

### Geometry

NPR	Fall Scaled Score Range	Growth Target	Growth Performance Categories			
			Far Below	Below	Above	Far Above
Grades 8–12						
1 – 10	5278 or less	89	< 9	9 to 88	89 to 171	> 171
11 – 20	5279 to 5319	63	< -10	-10 to 62	63 to 146	> 146
21 – 30	5320 to 5352	62	< -20	-20 to 61	62 to 122	> 122
31 – 40	5353 to 5378	44	< -37	-37 to 43	44 to 105	> 105
41 – 50	5379 to 5398	45	< -23	-23 to 44	45 to 103	> 103
51 – 60	5399 to 5419	46	< -25	-25 to 45	46 to 93	> 93
61 – 70	5420 to 5440	48	< 0	0 to 47	48 to 105	> 105
71 – 80	5441 to 5468	37	< -32	-32 to 36	37 to 94	> 94
81 – 90	5469 to 5509	40	< -27	-27 to 39	40 to 100	> 100
91 – 99	5510 or more	29	< -32	-32 to 28	29 to 98	> 98

**NOTE:** The norm data for Algebra and Geometry came from students who completed tests in the 2013–2014 or the 2014–2015 school year. Students who completed the test in both school years are included only for the first year tested.