



Smarter Balanced Preliminary Performance Levels

Estimated MAP Scores Corresponding to the Preliminary Performance Levels of the Smarter Balanced Assessment Consortium (Smarter Balanced)

Recently, the Smarter Balanced Assessment Consortium (Smarter Balanced) released a [document](#) that established initial performance levels and the associated threshold scale scores for the Smarter Balanced assessment. The report included estimated percentages of students expected to perform at each of the four performance levels, reported by grade and test subject (e.g., English Language Arts or Mathematics), based on preliminary field testing of the Smarter Balanced assessment conducted during the spring of 2014.

These threshold scale scores and expected percentages represent a preliminary attempt at standard setting, and Smarter Balanced may revise them after the spring 2015 testing term. Nevertheless, they represent the best information currently available about the cut scores that will be used during the spring 2015 testing term of the Smarter Balanced test.

Using the information provided within the Smarter Balanced report about the percentages of students expected to perform at each level, Northwest Evaluation Association™ (NWEA™) conducted a series of analyses to examine what Measures of Academic Progress® (MAP®) interim assessment scores might be associated with these performance level categories.

This was not an empirical study in the manner of our normal scale linking studies, because the Smarter Balanced assessment has not yet been fully implemented. NWEA intends to work with its partner school districts to conduct such a study, examining the relationship between MAP performance and Smarter Balanced performance for individual students, once Smarter Balanced has been fully implemented within NWEA partner districts.

NWEA analyses focused on the percentages of students expected to perform within each of the Smarter Balanced performance levels. NWEA compared these percentages to our own nationally representative normative distributions in order to estimate the MAP scores that would produce similar percentages of students as those expected to fall within the Smarter Balanced performance level categories. The approach taken here is quite similar to the approach used in many prior linking studies, and can provide highly accurate estimates of cut scores.

This approach relies on the assumption that the population of students who completed Smarter Balanced field testing reasonably reflect the nationally representative NWEA norming population. Because the Smarter Balanced report included little information about the students who comprised the field test sample, other than the fact that they came from 21 states and the U.S. Virgin Islands, it is not known whether that sample was sculpted or weighted to resemble a nationally representative distribution of students. Consequently, NWEA does not know whether the percentages of students within each performance level reported by Smarter Balanced closely reflect the U.S. student population in general.

Nevertheless, this assumption provided a basis for estimating the MAP scores that correspond to the preliminary threshold scale scores reported by Smarter Balanced. These resulting cut scores fell precisely within a range consistent with other summative state tests currently in use that have defined proficiency standards around “college and career readiness.” These summative state tests formed the basis for the NWEA October 2014 Guidance Document for predicting student performance on both the Partnership for Assessment of Readiness for College and Careers (PARCC) and Smarter Balanced tests, now updated to serve states who aren’t using Smarter Balanced assessments.

To offer a comparison, figures 1 and 2 show how NWEA estimates for the initial Smarter Balanced cut scores for Level 3 in reading and math, respectively, compare to the proficiency standards currently in use within three states with Common Core-aligned summative tests: New York, Kentucky, and Illinois. In these figures, the proficiency standards are expressed as normative percentile ranks, which convey the relative difficulty of the standards. The Smarter Balanced standards fall within the middle of the range established by the other three tests.

Figure 1. “College and Career Ready” Proficiency Standards in Reading for Four Common Core-Aligned Summative Tests

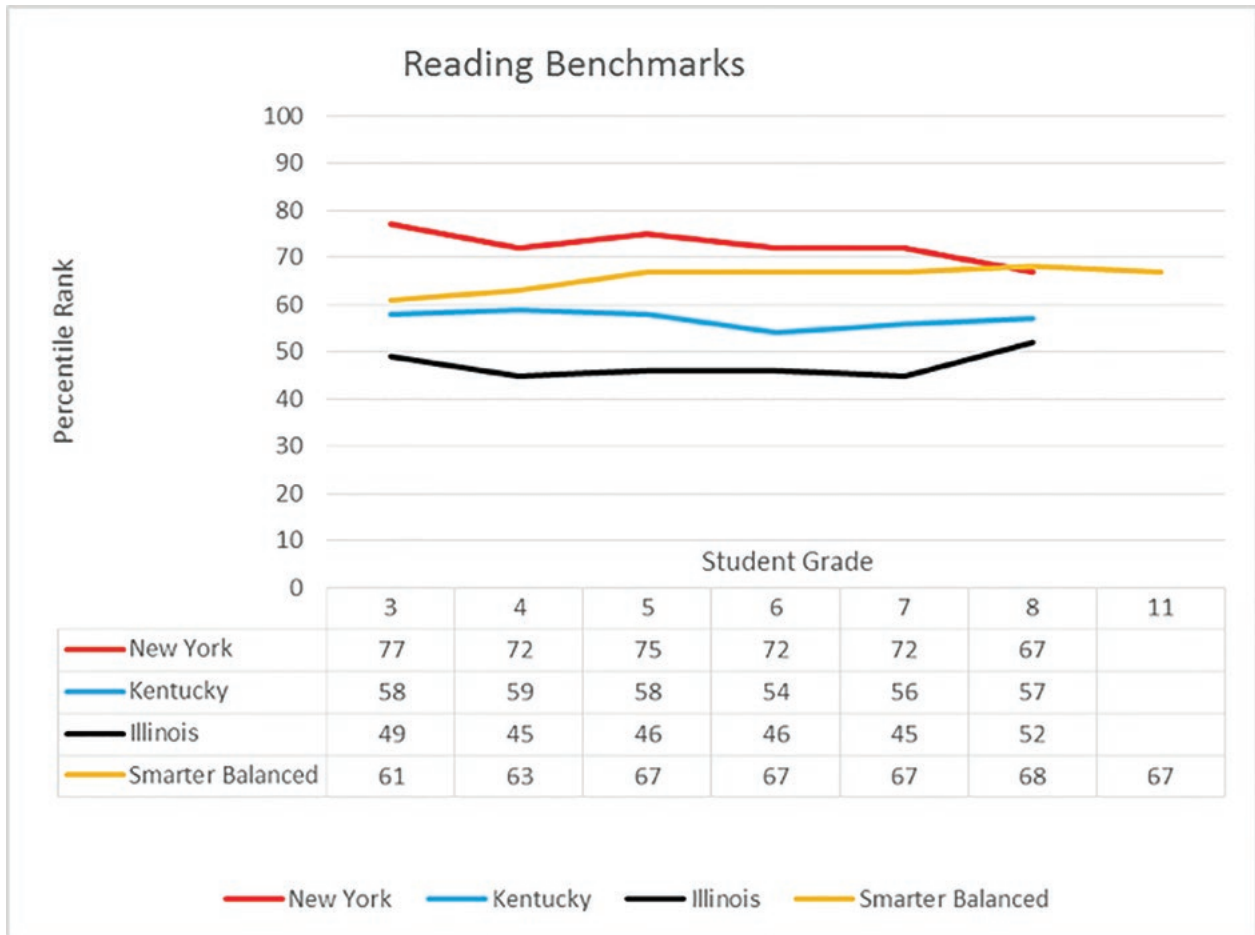
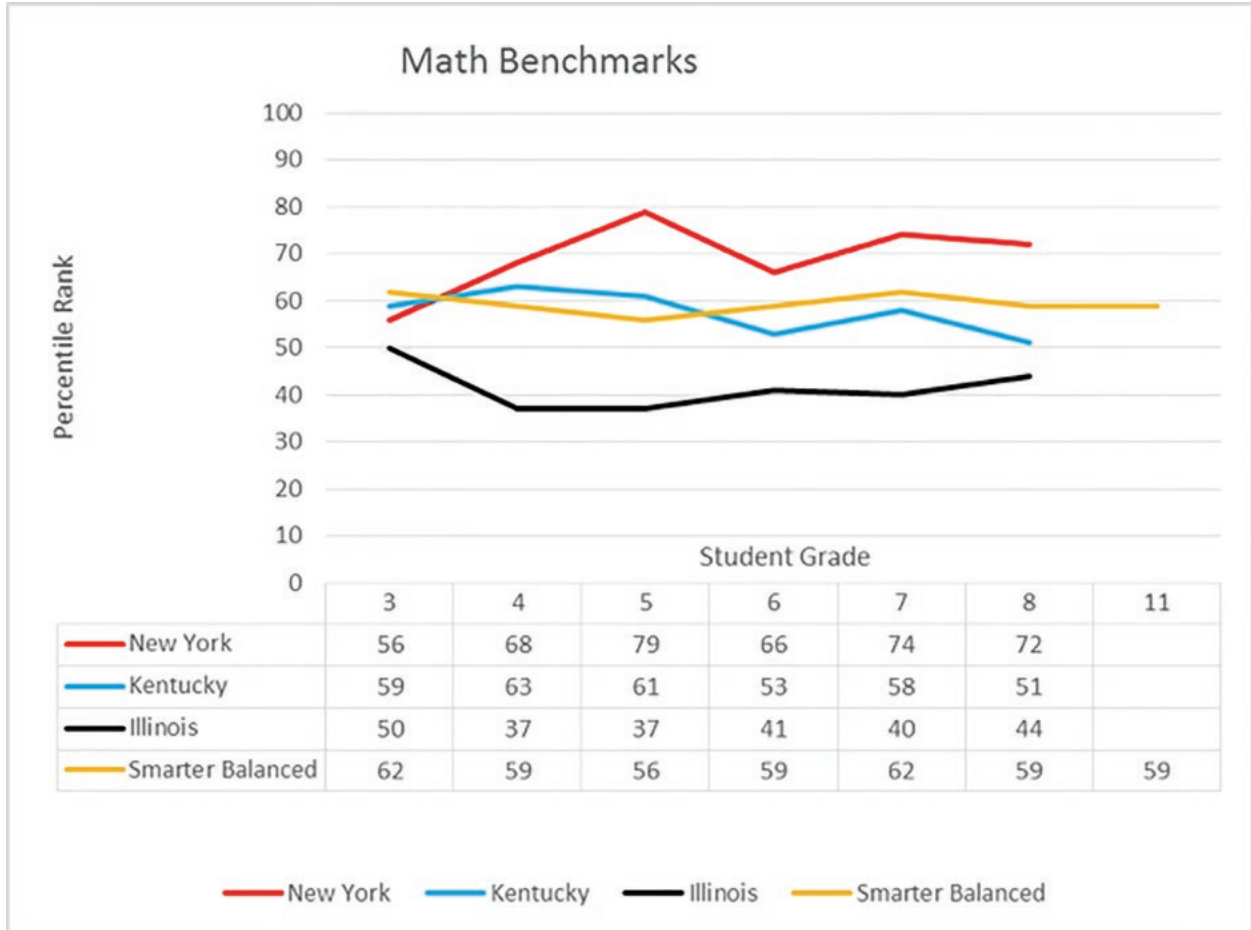


Figure 2. “College and Career Ready” Proficiency Standards in Math for Four Common Core-Aligned Summative Tests



CUT SCORE AND PROBABILITY TABLES

Table Sets 1 through 3 provide estimated MAP RIT cut scores associated with the initial Smarter Balanced performance level threshold scale scores and tables that provide estimates of performing at or above Performance Level 3 (i.e., “Proficient”), given an observed MAP RIT score. The tables show the estimated threshold RIT scores associated with each Smarter Balanced performance level for spring, winter, and fall testing seasons, respectively. These tables can be used to identify students who may need additional help to perform well on these tests.

Table Sets 4 through 6 show the estimated probability of a student receiving a Level 3 or higher on the Smarter Balanced assessment in spring, winter, or fall, respectively, based on that student’s observed RIT score and the estimated threshold cut scores reported in the prior table sets. These tables can be used to assist in identifying students who are not likely to pass Smarter Balanced assessments, thereby increasing the probability that intervention strategies will be planned and implemented. These tables can also be useful for identifying target RIT-score objectives likely to correspond to successful Level 3 performance on the Smarter Balanced assessment.

Table Set 1 – Estimated Fall MAP RIT Cut Scores Corresponding to the Smarter Balanced Assessment Consortium (Smarter Balanced) Performance Levels

MATH – FALL SEASON

Cut Scores and Norm Percentiles for Each Performance Level

Grade	Level 1	Level 2		Level 3		Level 4	
	Cut Score	Cut Score	Percentile Rank	Cut Score	Percentile Rank	Cut Score	Percentile Rank
2*	<172	172	32	181	61	193	88
3	<186	186	32	195	61	207	88
4	<195	195	27	208	63	218	87
5	<207	207	35	219	67	227	85
6	<213	213	35	226	67	236	86
7	<219	219	36	233	67	244	87
8	<225	225	38	238	68	249	87
9*	<229	229	40	241	67	255	89
10*	<229	229	40	242	67	257	89
11	<231	231	40	245	67	261	89



READING – FALL SEASON

Cut Scores and Norm Percentiles for Each Performance Level

Grade	Level 1	Level 2		Level 3		Level 4	
	Cut Score	Cut Score	Percentile Rank	Cut Score	Percentile Rank	Cut Score	Percentile Rank
2*	<170	170	35	180	62	190	82
3	<184	184	35	194	62	203	82
4	<195	195	37	203	59	213	82
5	<201	201	33	209	56	222	85
6	<204	204	30	215	59	230	89
7	<210	210	34	220	62	236	92
8	<210	210	28	222	59	239	91
9*	<212	212	28	225	59	240	89
10*	<214	214	28	226	59	242	89
11	<214	214	28	227	59	245	89

*Note: Smarter Balanced does not test students in grades 2, 9, and 10. The values shown in these grades are estimated MAP RIT scores indicating that the student is on track to perform at the designated performance level when tested on Smarter Balanced in subsequent years, so long as the student maintains consistent standing relative to U.S. achievement norms.

Table Set 2 – Estimated Winter MAP RIT Cut Scores Corresponding to the Smarter Balanced Assessment Consortium (Smarter Balanced) Performance Levels

MATH – WINTER SEASON

Cut Scores and Norm Percentiles for Each Performance Level

Grade	Level 1	Level 2		Level 3		Level 4	
	Cut Score	Cut Score	Percentile Rank	Cut Score	Percentile Rank	Cut Score	Percentile Rank
2*	<179	179	32	189	61	200	88
3	<192	192	32	202	61	213	88
4	<200	200	27	213	63	224	87
5	<212	212	35	224	67	233	85
6	<217	217	35	229	67	239	86
7	<222	222	36	235	67	247	87
8	<227	227	38	241	68	252	87
9*	<230	230	40	243	67	257	89
10*	<230	230	40	244	67	258	89
11	<231	232	40	246	67	261	89

READING – WINTER SEASON

Cut Scores and Norm Percentiles for Each Performance Level

Grade	Level 1	Level 2		Level 3		Level 4	
	Cut Score	Cut Score	Percentile Rank	Cut Score	Percentile Rank	Cut Score	Percentile Rank
2*	<178	178	35	188	62	197	82
3	<189	189	35	199	62	208	82
4	<198	198	37	206	59	216	82
5	<203	203	33	212	56	224	85
6	<206	206	30	217	59	232	89
7	<212	212	34	222	62	238	92
8	<212	212	28	224	59	241	91
9*	<213	213	28	225	59	241	89
10*	<214	214	28	227	59	242	89
11	<214	214	28	227	59	245	89

*Note: Smarter Balanced does not test students in grades 2, 9, and 10. The values shown in these grades are estimated MAP RIT scores indicating that the student is on track to perform at the designated performance level when tested on Smarter Balanced in subsequent years, so long as the student maintains consistent standing relative to U.S. achievement norms.

Table Set 3 – Estimated Spring MAP RIT Cut Scores Corresponding to the Smarter Balanced Assessment Consortium (Smarter Balanced) Performance Levels

MATH – SPRING SEASON

Cut Scores and Norm Percentiles for Each Performance Level

Grade	Level 1	Level 2		Level 3		Level 4	
	Cut Score	Cut Score	Percentile Rank	Cut Score	Percentile Rank	Cut Score	Percentile Rank
2*	<185	185	32	194	61	206	88
3	<197	197	32	206	61	218	88
4	<204	204	27	217	63	228	87
5	<215	215	35	227	67	236	85
6	<219	219	35	232	67	243	86
7	<224	224	36	238	67	250	87
8	<229	229	38	243	68	254	87
9*	<231	231	40	244	67	259	89
10*	<231	231	40	245	67	260	89
11	<233	233	40	247	67	263	89

READING – SPRING SEASON

Cut Scores and Norm Percentiles for Each Performance Level

Grade	Level 1	Level 2		Level 3		Level 4	
	Cut Score	Cut Score	Percentile Rank	Cut Score	Percentile Rank	Cut Score	Percentile Rank
2*	<184	184	35	194	62	203	82
3	<193	193	35	203	62	212	82
4	<202	202	37	210	59	219	82
5	<206	206	33	214	56	227	85
6	<208	208	30	219	59	234	89
7	<213	213	34	224	62	240	92
8	<213	213	28	225	59	242	91
9*	<213	213	28	226	59	242	89
10*	<214	214	28	227	59	244	89
11	<214	214	28	228	59	245	89

*Note: Smarter Balanced does not test students in grades 2, 9, and 10. The values shown in these grades are estimated MAP RIT scores indicating that the student is on track to perform at the designated performance level when tested on Smarter Balanced in subsequent years, so long as the student maintains consistent standing relative to U.S. achievement norms.

Table Set 4 – Estimated Probability Of Scoring At Level 3 Or Higher On The Smarter Balanced Test, Given A Student’s Observed MAP RIT Score In Spring

MAP MATH TEST TAKEN IN SPRING

RIT Range	2	3	4	5	6	7	8	9	10	11	
130	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	<p>*Note: This table provides the estimated probability of performing at Level 3 or higher on the Smarter Balanced Test, based on a MAP test score (RIT score) taken during the spring season. Example: if a fifth grade student scored 200 on a MAP test taken during the spring season, her/his estimated probability of achieving at least Level 3 is 8%.</p> <p><i>Bold italics</i> refer to grades in which the Smarter Balanced test is not taken. These values estimate the probabilities for the next year in which Smarter Balanced is taken, assuming that the student maintains her/his current relative standing over time.</p>
135	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
140	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
145	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
150	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
155	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%	
160	4%	1%	0%	0%	0%	0%	0%	0%	0%	0%	
165	6%	2%	1%	0%	0%	0%	0%	0%	0%	0%	
170	10%	3%	1%	0%	0%	0%	0%	0%	0%	0%	
175	16%	5%	2%	1%	0%	0%	0%	0%	0%	0%	
180	23%	8%	3%	1%	1%	0%	0%	0%	0%	0%	
185	33%	13%	5%	2%	1%	1%	0%	0%	0%	0%	
190	45%	20%	8%	3%	2%	1%	1%	1%	1%	0%	
195	57%	29%	12%	5%	3%	2%	1%	1%	1%	1%	
200	69%	40%	18%	8%	5%	3%	2%	1%	1%	1%	
205	78%	52%	27%	12%	8%	4%	3%	2%	2%	2%	
210	86%	64%	38%	18%	12%	7%	4%	4%	4%	3%	
215	91%	75%	50%	27%	18%	11%	7%	6%	6%	5%	
220	94%	83%	62%	38%	27%	17%	11%	10%	9%	8%	
225	96%	89%	73%	50%	38%	25%	17%	16%	14%	12%	
230	98%	93%	82%	62%	50%	36%	25%	23%	22%	18%	
235	99%	96%	88%	73%	62%	48%	36%	33%	31%	27%	
240	99%	97%	92%	82%	73%	60%	48%	45%	43%	38%	
245	99%	98%	95%	88%	82%	71%	60%	57%	55%	50%	
250	100%	99%	97%	92%	88%	80%	71%	69%	67%	62%	
255	100%	99%	98%	95%	92%	87%	80%	78%	77%	73%	
260	100%	100%	99%	97%	95%	92%	87%	86%	84%	82%	
265	100%	100%	99%	98%	97%	95%	92%	91%	90%	88%	
270	100%	100%	100%	99%	98%	97%	95%	94%	94%	92%	
275	100%	100%	100%	99%	99%	98%	97%	96%	96%	95%	
280	100%	100%	100%	100%	99%	99%	98%	98%	98%	97%	
285	100%	100%	100%	100%	100%	99%	99%	99%	99%	98%	
290	100%	100%	100%	100%	100%	100%	99%	99%	99%	99%	
295	100%	100%	100%	100%	100%	100%	100%	99%	99%	99%	
300	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	

MAP READING TEST TAKEN IN SPRING

Estimated Probability of Performing at Level 3 or Higher on Smarter Balanced Test

RIT Range	2	3	4	5	6	7	8	9	10	11	
130	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	<p>*Note: This table provides the estimated probability of performing at Level 3 or higher on the Smarter Balanced Test, based on a MAP test score (RIT score) taken during the spring season. Example: if a fifth grade student scored 200 on a MAP test taken during the spring season, her/his estimated probability of achieving at least Level 3 is 23%.</p> <p><i>Bold italics</i> refer to grades in which the Smarter Balanced test is not taken. These values estimate the probabilities for the next year in which Smarter Balanced is taken, assuming that the student maintains her/his current relative standing over time.</p>
135	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
140	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
145	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
150	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	
155	2%	1%	1%	0%	0%	0%	0%	0%	0%	0%	
160	4%	2%	1%	1%	0%	0%	0%	0%	0%	0%	
165	6%	3%	1%	1%	1%	0%	0%	0%	0%	0%	
170	10%	4%	2%	1%	1%	1%	1%	0%	0%	0%	
175	16%	7%	4%	2%	1%	1%	1%	1%	1%	1%	
180	23%	11%	6%	4%	2%	1%	1%	1%	1%	1%	
185	33%	17%	9%	6%	4%	2%	2%	2%	2%	2%	
190	45%	25%	14%	10%	6%	4%	4%	3%	3%	3%	
195	57%	36%	22%	16%	10%	6%	6%	5%	5%	4%	
200	69%	48%	31%	23%	16%	10%	9%	8%	8%	7%	
205	78%	60%	43%	33%	23%	16%	14%	13%	12%	11%	
210	86%	71%	55%	45%	33%	23%	22%	20%	18%	17%	
215	91%	80%	67%	57%	45%	33%	31%	29%	27%	25%	
220	94%	87%	77%	69%	57%	45%	43%	40%	38%	36%	
225	96%	92%	84%	78%	69%	57%	55%	52%	50%	48%	
230	98%	95%	90%	86%	78%	69%	67%	64%	62%	60%	
235	99%	97%	94%	91%	86%	78%	77%	75%	73%	71%	
240	99%	98%	96%	94%	91%	86%	84%	83%	82%	80%	
245	99%	99%	98%	96%	94%	91%	90%	89%	88%	87%	
250	100%	99%	99%	98%	96%	94%	94%	93%	92%	92%	
255	100%	100%	99%	99%	98%	96%	96%	96%	95%	95%	
260	100%	100%	99%	99%	99%	98%	98%	97%	97%	97%	
265	100%	100%	100%	99%	99%	99%	99%	98%	98%	98%	
270	100%	100%	100%	100%	99%	99%	99%	99%	99%	99%	
275	100%	100%	100%	100%	100%	99%	99%	99%	99%	99%	
280	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
285	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
290	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
295	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
300	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	

Table Set 5 – Estimated Probability Of Scoring At Level 3 Or Higher On The Smarter Balanced Test, Given A Student’s Observed MAP RIT Score In Winter

MAP MATH TEST TAKEN IN WINTER

Estimated Probability of Performing at Level 3 or Higher on Smarter Balanced Test

RIT Range	2	3	4	5	6	7	8	9	10	11	
130	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	<p>*Note: This table provides the estimated probability of performing at Level 3 or higher on the Smarter Balanced Test, based on a MAP test score (RIT score) taken during the winter season. Example: if a fifth grade student scored 200 on a MAP test taken during the winter season, her/his estimated probability of achieving at least Level 3 is 10%.</p> <p>Bold italics refer to grades in which the Smarter Balanced test is not taken. These values estimate the probabilities for the next year in which Smarter Balanced is taken, assuming that the student maintains her/his current relative standing over time.</p>
135	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
140	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
145	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
150	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%	
155	4%	1%	0%	0%	0%	0%	0%	0%	0%	0%	
160	6%	2%	1%	0%	0%	0%	0%	0%	0%	0%	
165	10%	3%	1%	0%	0%	0%	0%	0%	0%	0%	
170	16%	5%	2%	1%	0%	0%	0%	0%	0%	0%	
175	23%	8%	3%	1%	1%	0%	0%	0%	0%	0%	
180	33%	12%	4%	1%	1%	1%	0%	0%	0%	0%	
185	45%	18%	7%	2%	1%	1%	0%	0%	0%	0%	
190	57%	27%	11%	4%	2%	1%	1%	1%	1%	0%	
195	69%	38%	17%	6%	4%	2%	1%	1%	1%	1%	
200	78%	50%	25%	10%	6%	4%	2%	2%	1%	1%	
205	86%	62%	36%	16%	10%	6%	3%	3%	2%	2%	
210	91%	73%	48%	23%	16%	9%	5%	4%	4%	3%	
215	94%	82%	60%	33%	23%	14%	8%	7%	6%	5%	
220	96%	88%	71%	45%	33%	22%	13%	11%	10%	8%	
225	98%	92%	80%	57%	45%	31%	20%	17%	16%	13%	
230	99%	95%	87%	69%	57%	43%	29%	25%	23%	20%	
235	99%	97%	92%	78%	69%	55%	40%	36%	33%	29%	
240	99%	98%	95%	86%	78%	67%	52%	48%	45%	40%	
245	100%	99%	97%	91%	86%	77%	64%	60%	57%	52%	
250	100%	99%	98%	94%	91%	84%	75%	71%	69%	64%	
255	100%	100%	99%	96%	94%	90%	83%	80%	78%	75%	
260	100%	100%	99%	98%	96%	94%	89%	87%	86%	83%	
265	100%	100%	100%	99%	98%	96%	93%	92%	91%	89%	
270	100%	100%	100%	99%	99%	98%	96%	95%	94%	93%	
275	100%	100%	100%	99%	99%	99%	97%	97%	96%	96%	
280	100%	100%	100%	100%	99%	99%	98%	98%	98%	97%	
285	100%	100%	100%	100%	100%	99%	99%	99%	99%	98%	
290	100%	100%	100%	100%	100%	100%	99%	99%	99%	99%	
295	100%	100%	100%	100%	100%	100%	100%	100%	99%	99%	
300	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	

MAP READING TEST TAKEN IN WINTER

Estimated Probability of Performing at Level 3 or Higher on Smarter Balanced Test

RIT Range	2	3	4	5	6	7	8	9	10	11	
130	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	<p>*Note: This table provides the estimated probability of performing at Level 3 or higher on the Smarter Balanced Test, based on a MAP test score (RIT score) taken during the winter season. Example: if a fifth grade student scored 200 on a MAP test taken during the winter season, her/his estimated probability of achieving at least Level 3 is 27%.</p> <p>Bold italics refer to grades in which the Smarter Balanced test is not taken. These values estimate the probabilities for the next year in which Smarter Balanced is taken, assuming that the student maintains her/his current relative standing over time.</p>
135	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
140	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
145	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%	
150	3%	1%	0%	0%	0%	0%	0%	0%	0%	0%	
155	4%	1%	1%	0%	0%	0%	0%	0%	0%	0%	
160	7%	2%	1%	1%	0%	0%	0%	0%	0%	0%	
165	11%	4%	2%	1%	1%	0%	0%	0%	0%	0%	
170	17%	6%	3%	2%	1%	1%	1%	1%	0%	0%	
175	25%	10%	5%	3%	2%	1%	1%	1%	1%	1%	
180	36%	16%	8%	5%	3%	2%	1%	1%	1%	1%	
185	48%	23%	13%	8%	5%	3%	2%	2%	2%	2%	
190	60%	33%	20%	12%	8%	5%	4%	4%	3%	3%	
195	71%	45%	29%	18%	12%	8%	6%	6%	5%	5%	
200	80%	57%	40%	27%	18%	12%	10%	9%	8%	8%	
205	87%	69%	52%	38%	27%	18%	16%	14%	12%	12%	
210	92%	78%	64%	50%	38%	27%	23%	22%	18%	18%	
215	95%	86%	75%	62%	50%	38%	33%	31%	27%	27%	
220	97%	91%	83%	73%	62%	50%	45%	43%	38%	38%	
225	98%	94%	89%	82%	73%	62%	57%	55%	50%	50%	
230	99%	96%	93%	88%	82%	73%	69%	67%	62%	62%	
235	99%	98%	96%	92%	88%	82%	78%	77%	73%	73%	
240	100%	99%	97%	95%	92%	88%	86%	84%	82%	82%	
245	100%	99%	98%	97%	95%	92%	91%	90%	88%	88%	
250	100%	99%	99%	98%	97%	95%	94%	94%	92%	92%	
255	100%	100%	99%	99%	98%	97%	96%	96%	95%	95%	
260	100%	100%	100%	99%	99%	98%	98%	98%	97%	97%	
265	100%	100%	100%	100%	99%	99%	99%	99%	98%	98%	
270	100%	100%	100%	100%	100%	99%	99%	99%	99%	99%	
275	100%	100%	100%	100%	100%	100%	99%	99%	99%	99%	
280	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
285	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
290	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
295	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
300	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	

Table Set 6 – Estimated Probability Of Scoring At Level 3 Or Higher On The Smarter Balanced Test, Given A Student’s Observed MAP RIT Score In Fall

MAP MATH TEST TAKEN IN FALL

Estimated Probability of Performing at Level 3 or Higher on Smarter Balanced Test

RIT Range	2	3	4	5	6	7	8	9	10	11	
130	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	<p>*Note: This table provides the estimated probability of performing at Level 3 or higher on the Smarter Balanced Test, based on a MAP test score (RIT score) taken during the fall season. Example: if a fifth grade student scored 200 on a MAP test taken during the fall season, her/his estimated probability of achieving at least Level 3 is 16%.</p> <p>Bold italics refer to grades in which the Smarter Balanced test is not taken. These values estimate the probabilities for the next year in which Smarter Balanced is taken, assuming that the student maintains her/his current relative standing over time.</p>
135	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
140	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%	
145	3%	1%	0%	0%	0%	0%	0%	0%	0%	0%	
150	5%	1%	0%	0%	0%	0%	0%	0%	0%	0%	
155	8%	2%	1%	0%	0%	0%	0%	0%	0%	0%	
160	13%	4%	1%	0%	0%	0%	0%	0%	0%	0%	
165	20%	6%	2%	1%	0%	0%	0%	0%	0%	0%	
170	29%	9%	3%	1%	0%	0%	0%	0%	0%	0%	
175	40%	14%	4%	1%	1%	0%	0%	0%	0%	0%	
180	52%	22%	7%	2%	1%	1%	0%	0%	0%	0%	
185	64%	31%	11%	4%	2%	1%	1%	0%	0%	0%	
190	75%	43%	17%	6%	3%	2%	1%	1%	1%	1%	
195	83%	55%	25%	10%	5%	3%	2%	1%	1%	1%	
200	89%	67%	36%	16%	8%	4%	3%	2%	2%	1%	
205	93%	77%	48%	23%	13%	7%	4%	3%	3%	2%	
210	96%	84%	60%	33%	20%	11%	7%	5%	5%	4%	
215	97%	90%	71%	45%	29%	17%	11%	8%	8%	6%	
220	98%	94%	80%	57%	40%	25%	17%	13%	12%	9%	
225	99%	96%	87%	69%	52%	36%	25%	20%	18%	14%	
230	99%	98%	92%	78%	64%	48%	36%	29%	27%	22%	
235	100%	99%	95%	86%	75%	60%	48%	40%	38%	31%	
240	100%	99%	97%	91%	83%	71%	60%	52%	50%	43%	
245	100%	99%	98%	94%	89%	80%	71%	64%	62%	55%	
250	100%	100%	99%	96%	93%	87%	80%	75%	73%	67%	
255	100%	100%	99%	98%	96%	92%	87%	83%	82%	77%	
260	100%	100%	100%	99%	97%	95%	92%	89%	88%	84%	
265	100%	100%	100%	99%	98%	97%	95%	93%	92%	90%	
270	100%	100%	100%	99%	99%	98%	97%	96%	95%	94%	
275	100%	100%	100%	100%	99%	99%	98%	97%	97%	96%	
280	100%	100%	100%	100%	100%	99%	99%	98%	98%	98%	
285	100%	100%	100%	100%	100%	100%	99%	99%	99%	99%	
290	100%	100%	100%	100%	100%	100%	100%	99%	99%	99%	
295	100%	100%	100%	100%	100%	100%	100%	100%	100%	99%	
300	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	

MAP READING TEST TAKEN IN FALL

Estimated Probability of Performing at Level 3 or Higher on Smarter Balanced Test

RIT Range	2	3	4	5	6	7	8	9	10	11	
130	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	<p>*Note: This table provides the estimated probability of performing at Level 3 or higher on the Smarter Balanced Test, based on a MAP test score (RIT score) taken during the fall season. Example: if a fifth grade student scored 200 on a MAP test taken during the fall season, her/his estimated probability of achieving at least Level 3 is 33%.</p> <p><i>Bold italics</i> refer to grades in which the Smarter Balanced test is not taken. These values estimate the probabilities for the next year in which Smarter Balanced is taken, assuming that the student maintains her/his current relative standing over time.</p>
135	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
140	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%	
145	4%	1%	0%	0%	0%	0%	0%	0%	0%	0%	
150	6%	1%	1%	0%	0%	0%	0%	0%	0%	0%	
155	9%	2%	1%	1%	0%	0%	0%	0%	0%	0%	
160	14%	4%	2%	1%	1%	0%	0%	0%	0%	0%	
165	22%	6%	3%	1%	1%	1%	0%	0%	0%	0%	
170	31%	10%	4%	2%	1%	1%	1%	1%	0%	0%	
175	43%	16%	7%	4%	2%	1%	1%	1%	1%	1%	
180	55%	23%	11%	6%	4%	2%	2%	1%	1%	1%	
185	67%	33%	17%	10%	6%	4%	3%	2%	2%	2%	
190	77%	45%	25%	16%	9%	6%	5%	4%	3%	3%	
195	84%	57%	36%	23%	14%	9%	8%	6%	5%	5%	
200	90%	69%	48%	33%	22%	14%	12%	9%	8%	8%	
205	94%	78%	60%	45%	31%	22%	18%	14%	13%	12%	
210	96%	86%	71%	57%	43%	31%	27%	22%	20%	18%	
215	98%	91%	80%	69%	55%	43%	38%	31%	29%	27%	
220	99%	94%	87%	78%	67%	55%	50%	43%	40%	38%	
225	99%	96%	92%	86%	77%	67%	62%	55%	52%	50%	
230	99%	98%	95%	91%	84%	77%	73%	67%	64%	62%	
235	100%	99%	97%	94%	90%	84%	82%	77%	75%	73%	
240	100%	99%	98%	96%	94%	90%	88%	84%	83%	82%	
245	100%	99%	99%	98%	96%	94%	92%	90%	89%	88%	
250	100%	100%	99%	99%	98%	96%	95%	94%	93%	92%	
255	100%	100%	100%	99%	99%	98%	97%	96%	96%	95%	
260	100%	100%	100%	99%	99%	99%	98%	98%	97%	97%	
265	100%	100%	100%	100%	99%	99%	99%	99%	98%	98%	
270	100%	100%	100%	100%	100%	99%	99%	99%	99%	99%	
275	100%	100%	100%	100%	100%	100%	100%	99%	99%	99%	
280	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
285	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
290	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
295	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
300	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	

APPENDIX: LINKS USED IN THIS DOCUMENT

Smarter Balanced States Approve Achievement Level Recommendations:

<http://www.smarterbalanced.org/news/smarter-balanced-states-approve-achievement-level-recommendations/>

Alternate Methodologies for Estimating State Standards on a Widely-Used Computer Adaptive Test:

<https://www.nwea.org/resources/alternate-methodologies-estimating-state-standards-widely-used-computer-adaptive-test/>

Proficiency Guidance from NWEA on New State Summative Assessments:

www.nwea.org/resources/proficiency-guidance-on-new-state-summative-assessments-from-nwea