

# Appendix O—DECISION ACCURACY AND CONSISTENCY RESULTS



**Table O-1. 2008–09 NECAP: Decision Accuracy Cross-Tabulation  
of True and Observed Achievement Level Proportions—Mathematics Grade 3**

<i>Observed Achievement Level</i>	<i>True Achievement Level</i>				Total
	SBP	PP	P	PWD	
SBP	0.113	0.020	0.000	0.000	0.133
PP	0.021	0.144	0.037	0.000	0.201
P	0.000	0.032	0.391	0.052	0.475
PWD	0.000	0.000	0.027	0.164	0.191
Total	0.134	0.195	0.455	0.216	1.000

Overall Accuracy (sum of diagonal) = 0.812

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-2. 2008–09 NECAP: Decision Consistency Cross-Tabulation  
of Observed Achievement Level Proportions for Two Parallel Forms—Mathematics Grade 3**

<i>Form 2 Achievement Level</i>	<i>Form 1 Achievement Level</i>				Total
	SBP	PP	P	PWD	
SBP	0.106	0.028	0.001	0.000	0.134
PP	0.028	0.120	0.047	0.000	0.195
P	0.001	0.047	0.353	0.055	0.455
PWD	0.000	0.000	0.055	0.162	0.216
Total	0.134	0.195	0.455	0.216	1.000

Overall Consistency (sum of diagonal) = 0.741

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-3. 2008–09 NECAP: Summary of Overall  
Accuracy and Consistency Indices—Mathematics Grade 3**

Accuracy	0.812
Consistency	0.740
Kappa (k)	0.623

**Table O-4. 2008–09 NECAP: Indices  
Conditional On Achievement Level—Mathematics Grade 3**

<i>Achievement Level</i>	<i>Accuracy</i>	<i>Consistency</i>
SBP	0.851	0.789
PP	0.713	0.616
P	0.824	0.775
PWD	0.859	0.748

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-5. 2008–09 NECAP: Accuracy and Consistency Indices at Cut points—Mathematics Grade 3**

<i>Cut point</i>	<i>Accuracy</i>	<i>False Positive</i>	<i>False Negative</i>	<i>Consistency</i>
SBP:PP	0.960	0.020	0.021	0.943
PP:P	0.931	0.038	0.032	0.904
P:PWD	0.921	0.052	0.027	0.891

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

False Positive = proportion of students with observed score above cut point and true score below cut point

False Negative = proportion of students with observed score below cut point and true score above cut point

**Table O-6. 2008–09 NECAP: Decision Accuracy Cross Tabulation  
of True and Observed Achievement Level Proportions—Mathematics Grade 4**

<i>Observed Achievement Level</i>	<i>True Achievement Level</i>				Total
	SBP	PP	P	PWD	
SBP	0.105	0.019	0.000	0.000	0.124
PP	0.020	0.147	0.037	0.000	0.204
P	0.000	0.031	0.375	0.044	0.450
PWD	0.000	0.000	0.022	0.201	0.223
Total	0.125	0.197	0.434	0.245	1.000

Overall Accuracy (sum of diagonal) = 0.828

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-7. 2008–09 NECAP: Decision Consistency Cross-Tabulation  
of Observed Achievement Level Proportions for Two Parallel Forms—Mathematics Grade 4**

<i>Form 2 Achievement Level</i>	<i>Form 1 Achievement Level</i>				Total
	SBP	PP	P	PWD	
SBP	0.098	0.027	0.001	0.000	0.125
PP	0.027	0.124	0.046	0.000	0.197
P	0.001	0.046	0.341	0.046	0.434
PWD	0.000	0.000	0.046	0.199	0.245
Total	0.125	0.197	0.434	0.245	1.000

Overall Consistency (sum of diagonal) = 0.762

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-8. 2008–09 NECAP: Summary of Overall  
Accuracy and Consistency Indices—Mathematics Grade 4**

Accuracy	0.828
Consistency	0.762
Kappa (k)	0.658

**Table O-9. 2008–09 NECAP: Indices  
Conditional On Achievement Level—Mathematics Grade 4**

<i>Achievement Level</i>	<i>Accuracy</i>	<i>Consistency</i>
SBP	0.848	0.782
PP	0.723	0.630
P	0.834	0.787
PWD	0.901	0.813

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-10. 2008–09 NECAP: Accuracy and Consistency Indices at Cut points—Mathematics Grade 4**

<i>Cut point</i>	<i>Accuracy</i>	<i>False Positive</i>	<i>False Negative</i>	<i>Consistency</i>
SBP:PP	0.961	0.019	0.020	0.946
PP:P	0.933	0.037	0.031	0.906
P:PWD	0.934	0.044	0.022	0.909

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction  
False Positive = proportion of students with observed score above cut point and true score below cut point  
False Negative = proportion of students with observed score below cut point and true score above cut point

**Table O-11. 2008–09 NECAP: Decision Accuracy Cross-Tabulation of True and Observed Achievement Level Proportions—Mathematics Grade 5**

<i>Observed Achievement Level</i>	<i>True Achievement Level</i>				Total
	SBP	PP	P	PWD	
SBP	0.134	0.027	0.001	0.000	0.162
PP	0.026	0.089	0.039	0.000	0.155
P	0.001	0.032	0.415	0.046	0.494
PWD	0.000	0.000	0.023	0.166	0.189
Total	0.161	0.149	0.478	0.212	1.000

Overall Accuracy (sum of diagonal) = 0.804

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-12. 2008–09 NECAP: Decision Consistency Cross-Tabulation of Observed Achievement Level Proportions for Two Parallel Forms—Mathematics Grade 5**

<i>Form 2 Achievement Level</i>	<i>Form 1 Achievement Level</i>				Total
	SBP	PP	P	PWD	
SBP	0.123	0.034	0.005	0.000	0.161
PP	0.034	0.069	0.046	0.000	0.149
P	0.005	0.046	0.379	0.048	0.478
PWD	0.000	0.000	0.048	0.164	0.212
Total	0.161	0.149	0.478	0.212	1.000

Overall Consistency (sum of diagonal) = 0.735

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-13. 2008–09 NECAP: Summary of Overall Accuracy and Consistency Indices—Mathematics Grade 5**

Accuracy	0.804
Consistency	0.734
Kappa (k)	0.608

**Table O-14. 2008–09 NECAP: Indices Conditional On Achievement Level—Mathematics Grade 5**

<i>Achievement Level</i>	<i>Accuracy</i>	<i>Consistency</i>
SBP	0.826	0.760
PP	0.577	0.464
P	0.839	0.792
PWD	0.877	0.773

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-15. 2008–09 NECAP: Accuracy and Consistency Indices at Cut points—Mathematics Grade 5**

<i>Cut point</i>	<i>Accuracy</i>	<i>False Positive</i>	<i>False Negative</i>	<i>Consistency</i>
SBP:PP	0.945	0.028	0.027	0.923
PP:P	0.927	0.040	0.033	0.898
P:PWD	0.931	0.046	0.023	0.904

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

False Positive = proportion of students with observed score above cut point and true score below cut point

False Negative = proportion of students with observed score below cut point and true score above cut point

**Table O-16. 2008–09 NECAP: Decision Accuracy Cross-Tabulation of True and Observed Achievement Level Proportions—Mathematics Grade 6**

<i>Observed Achievement Level</i>	<i>True Achievement Level</i>				Total
	SBP	PP	P	PWD	
SBP	0.152	0.032	0.001	0.000	0.185
PP	0.029	0.110	0.041	0.000	0.179
P	0.001	0.032	0.369	0.038	0.440
PWD	0.000	0.000	0.021	0.175	0.196
Total	0.181	0.174	0.432	0.213	1.000

Overall Accuracy (sum of diagonal) = 0.806

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-17. 2008–09 NECAP: Decision Consistency Cross-Tabulation of Observed Achievement Level Proportions for Two Parallel Forms—Mathematics Grade 6**

<i>Form 2 Achievement Level</i>	<i>Form 1 Achievement Level</i>				Total
	SBP	PP	P	PWD	
SBP	0.138	0.039	0.004	0.000	0.181
PP	0.039	0.087	0.048	0.000	0.174
P	0.004	0.048	0.339	0.041	0.432
PWD	0.000	0.000	0.041	0.172	0.213
Total	0.181	0.174	0.432	0.213	1.000

Overall Consistency (sum of diagonal) = 0.736

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-18. 2008–09 NECAP: Summary of Overall Accuracy and Consistency Indices—Mathematics Grade 6**

Accuracy	0.806
Consistency	0.736
Kappa (k)	0.625

**Table O-19. 2008–09 NECAP: Indices Conditional On Achievement Level—Mathematics Grade 6**

<i>Achievement Level</i>	<i>Accuracy</i>	<i>Consistency</i>
SBP	0.823	0.761
PP	0.615	0.501
P	0.839	0.785
PWD	0.892	0.806

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-20. 2008–09 NECAP: Accuracy and Consistency Indices at Cut points—Mathematics Grade 6**

<i>Cut point</i>	<i>Accuracy</i>	<i>False Positive</i>	<i>False Negative</i>	<i>Consistency</i>
SBP:PP	0.938	0.033	0.029	0.914
PP:P	0.926	0.041	0.033	0.897
P:PWD	0.941	0.038	0.021	0.917

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

False Positive = proportion of students with observed score above cut point and true score below cut point

False Negative = proportion of students with observed score below cut point and true score above cut point

**Table O-21. 2008–09 NECAP: Decision Accuracy Cross-Tabulation of True and Observed Achievement Level Proportions—Mathematics Grade 7**

<i>Observed Achievement Level</i>	<i>True Achievement Level</i>				Total
	SBP	PP	P	PWD	
SBP	0.172	0.035	0.001	0.000	0.208
PP	0.030	0.113	0.042	0.000	0.186
P	0.001	0.033	0.358	0.036	0.428
PWD	0.000	0.000	0.019	0.160	0.179
Total	0.203	0.180	0.421	0.196	1.000

Overall Accuracy (sum of diagonal) = 0.803

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-22. 2008–09 NECAP: Decision Consistency Cross-Tabulation of Observed Achievement Level Proportions for Two Parallel Forms—Mathematics Grade 7**

<i>Form 2 Achievement Level</i>	<i>Form 1 Achievement Level</i>				Total
	SBP	PP	P	PWD	
SBP	0.157	0.042	0.005	0.000	0.203
PP	0.042	0.089	0.049	0.000	0.180
P	0.005	0.049	0.329	0.039	0.421
PWD	0.000	0.000	0.039	0.157	0.196
Total	0.203	0.180	0.421	0.196	1.000

Overall Consistency (sum of diagonal) = 0.732

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-23. 2008–09 NECAP: Summary of Overall Accuracy and Consistency Indices—Mathematics Grade 7**

Accuracy	0.803
Consistency	0.732
Kappa (k)	0.624

**Table O-24. 2008–09 NECAP: Indices Conditional On Achievement Level—Mathematics Grade 7**

<i>Achievement Level</i>	<i>Accuracy</i>	<i>Consistency</i>
SBP	0.830	0.772
PP	0.609	0.496
P	0.838	0.782
PWD	0.893	0.803

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-25. 2008–09 NECAP: Accuracy and Consistency Indices at Cut points—Mathematics Grade 7**

<i>Cut point</i>	<i>Accuracy</i>	<i>False Positive</i>	<i>False Negative</i>	<i>Consistency</i>
SBP:PP	0.934	0.035	0.031	0.907
PP:P	0.924	0.043	0.033	0.893
P:PWD	0.945	0.036	0.019	0.923

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

False Positive = proportion of students with observed score above cut point and true score below cut point

False Negative = proportion of students with observed score below cut point and true score above cut point

**Table O-26. 2008–09 NECAP: Decision Accuracy Cross-Tabulation of True and Observed Achievement Level Proportions—Mathematics Grade 8**

<i>Observed Achievement Level</i>	<i>True Achievement Level</i>				Total
	SBP	PP	P	PWD	
SBP	0.162	0.032	0.000	0.000	0.194
PP	0.029	0.131	0.042	0.000	0.202
P	0.000	0.033	0.371	0.037	0.441
PWD	0.000	0.000	0.019	0.144	0.163
Total	0.191	0.196	0.433	0.181	1.000

Overall Accuracy (sum of diagonal) = 0.808

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-27. 2008–09 NECAP: Decision Consistency Cross-Tabulation of Observed Achievement Level Proportions for Two Parallel Forms—Mathematics Grade 8**

<i>Form 2 Achievement Level</i>	<i>Form 1 Achievement Level</i>				Total
	SBP	PP	P	PWD	
SBP	0.148	0.040	0.003	0.000	0.191
PP	0.040	0.106	0.050	0.000	0.196
P	0.003	0.050	0.341	0.038	0.433
PWD	0.000	0.000	0.038	0.142	0.181
Total	0.191	0.196	0.433	0.181	1.000

Overall Consistency (sum of diagonal) = 0.737

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-28. 2008–09 NECAP: Summary of Overall Accuracy and Consistency Indices—Mathematics Grade 8**

Accuracy	0.808
Consistency	0.737
Kappa (k)	0.627

**Table O-29. 2008–09 NECAP: Indices Conditional On Achievement Level—Mathematics Grade 8**

<i>Achievement Level</i>	<i>Accuracy</i>	<i>Consistency</i>
SBP	0.834	0.775
PP	0.648	0.539
P	0.842	0.789
PWD	0.885	0.787

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-30. 2008–09 NECAP: Accuracy and Consistency Indices at Cut points—Mathematics Grade 8**

<i>Cut point</i>	<i>Accuracy</i>	<i>False Positive</i>	<i>False Negative</i>	<i>Consistency</i>
SBP:PP	0.939	0.032	0.029	0.914
PP:P	0.924	0.043	0.033	0.894
P:PWD	0.945	0.037	0.019	0.923

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

False Positive = proportion of students with observed score above cut point and true score below cut point

False Negative = proportion of students with observed score below cut point and true score above cut point

**Table O-31. 2008–09 NECAP: Decision Accuracy Cross-Tabulation of True and Observed Achievement Level Proportions—Mathematics Grade 11**

<i>Observed Achievement Level</i>	<i>True Achievement Level</i>				Total
	SBP	PP	P	PWD	
SBP	0.350	0.047	0.000	0.000	0.397
PP	0.034	0.227	0.040	0.000	0.301
P	0.000	0.025	0.257	0.010	0.292
PWD	0.000	0.000	0.002	0.008	0.011
Total	0.385	0.298	0.299	0.018	1.000

Overall Accuracy (sum of diagonal) = 0.842

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-32. 2008–09 NECAP: Decision Consistency Cross-Tabulation of Observed Achievement Level Proportions for Two Parallel Forms—Mathematics Grade 11**

<i>Form 2 Achievement Level</i>	<i>Form 1 Achievement Level</i>				Total
	SBP	PP	P	PWD	
SBP	0.328	0.056	0.001	0.000	0.385
PP	0.056	0.197	0.045	0.000	0.298
P	0.001	0.045	0.245	0.008	0.299
PWD	0.000	0.000	0.008	0.010	0.018
Total	0.385	0.298	0.299	0.018	1.000

Overall Consistency (sum of diagonal) = 0.780

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-33. 2008–09 NECAP: Summary of Overall Accuracy and Consistency Indices—Mathematics Grade 11**

Accuracy	0.842
Consistency	0.780
Kappa (k)	0.674

**Table O-34. 2008–09 NECAP: Indices Conditional On Achievement Level—Mathematics Grade 11**

<i>Achievement Level</i>	<i>Accuracy</i>	<i>Consistency</i>
SBP	0.882	0.853
PP	0.754	0.661
P	0.881	0.820
PWD	0.782	0.535

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-35. 2008–09 NECAP: Accuracy and Consistency Indices at Cut points—Mathematics Grade 11**

<i>Cut point</i>	<i>Accuracy</i>	<i>False Positive</i>	<i>False Negative</i>	<i>Consistency</i>
SBP:PP	0.919	0.047	0.034	0.887
PP:P	0.935	0.040	0.025	0.909
P:PWD	0.988	0.010	0.002	0.983

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

False Positive = proportion of students with observed score above cut point and true score below cut point

False Negative = proportion of students with observed score below cut point and true score above cut point

**Table O-36. 2008–09 NECAP: Decision Accuracy Cross-Tabulation of True and Observed Achievement Level Proportions—Reading Grade 3**

<i>Observed Achievement Level</i>	<i>True Achievement Level</i>				<i>Total</i>
	<i>SBP</i>	<i>PP</i>	<i>P</i>	<i>PWD</i>	
<i>SBP</i>	0.078	0.017	0.000	0.000	0.095
<i>PP</i>	0.019	0.112	0.037	0.000	0.167
<i>P</i>	0.000	0.033	0.433	0.079	0.545
<i>PWD</i>	0.000	0.000	0.042	0.151	0.193
<i>Total</i>	0.097	0.161	0.512	0.230	1.000

Overall Accuracy (sum of diagonal) = 0.774

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table K-8b. 2008–09 NECAP: Decision Consistency Cross-Tabulation of Observed Achievement Level Proportions for Two Parallel Forms—Reading Grade 3**

<i>Form 2 Achievement Level</i>	<i>Form 1 Achievement Level</i>				<i>Total</i>
	<i>SBP</i>	<i>PP</i>	<i>P</i>	<i>PWD</i>	
<i>SBP</i>	0.072	0.024	0.002	0.000	0.097
<i>PP</i>	0.024	0.090	0.047	0.000	0.161
<i>P</i>	0.002	0.047	0.382	0.082	0.512
<i>PWD</i>	0.000	0.000	0.082	0.148	0.230
<i>Total</i>	0.097	0.161	0.512	0.230	1.000

Overall Consistency (sum of diagonal) = 0.692

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-37. 2008–09 NECAP: Summary of Overall Accuracy and Consistency Indices—Reading Grade 3**

Accuracy	0.773
Consistency	0.691
Kappa (k)	0.524

**Table O-38. 2008–09 NECAP: Indices Conditional On Achievement Level—Reading Grade 3**

<i>Achievement Level</i>	<i>Accuracy</i>	<i>Consistency</i>
<i>SBP</i>	0.820	0.739
<i>PP</i>	0.667	0.559
<i>P</i>	0.794	0.745
<i>PWD</i>	0.780	0.643

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-39. 2008–09 NECAP: Accuracy and Consistency Indices at Cut points—Reading Grade 3**

<i>Cut point</i>	<i>Accuracy</i>	<i>False Positive</i>	<i>False Negative</i>	<i>Consistency</i>
<i>SBP:PP</i>	0.964	0.017	0.019	0.950
<i>PP:P</i>	0.930	0.037	0.033	0.902
<i>P:PWD</i>	0.878	0.079	0.042	0.836

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

False Positive = proportion of students with observed score above cut point and true score below cut point

False Negative = proportion of students with observed score below cut point and true score above cut point

**Table O-40. 2008–09 NECAP: Decision Accuracy Cross-Tabulation of True and Observed Achievement Level Proportions—Reading Grade 4**

<i>Observed Achievement Level</i>	<i>True Achievement Level</i>				Total
	SBP	PP	P	PWD	
SBP	0.062	0.019	0.000	0.000	0.081
PP	0.025	0.146	0.053	0.000	0.224
P	0.000	0.045	0.368	0.069	0.483
PWD	0.000	0.000	0.029	0.183	0.212
Total	0.088	0.210	0.450	0.252	1.000

Overall Accuracy (sum of diagonal) = 0.759

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-41. 2008–09 NECAP: Decision Consistency Cross-Tabulation of Observed Achievement Level Proportions for Two Parallel Forms—Reading Grade 4**

<i>Form 2 Achievement Level</i>	<i>Form 1 Achievement Level</i>				Total
	SBP	PP	P	PWD	
SBP	0.056	0.029	0.003	0.000	0.088
PP	0.029	0.115	0.065	0.001	0.210
P	0.003	0.065	0.316	0.067	0.450
PWD	0.000	0.001	0.067	0.185	0.252
Total	0.088	0.210	0.450	0.252	1.000

Overall Consistency (sum of diagonal) = 0.672

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-42. 2008–09 NECAP: Summary of Overall Accuracy and Consistency Indices—Reading Grade 4**

Accuracy	0.759
Consistency	0.672
Kappa (k)	0.519

**Table O-43. 2008–09 NECAP: Indices Conditional On Achievement Level—Reading Grade 4**

<i>Achievement Level</i>	<i>Accuracy</i>	<i>Consistency</i>
SBP	0.763	0.639
PP	0.651	0.549
P	0.762	0.701
PWD	0.865	0.733

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-44. 2008–09 NECAP: Accuracy and Consistency Indices at Cut points—Reading Grade 4**

<i>Cut point</i>	<i>Accuracy</i>	<i>False Positive</i>	<i>False Negative</i>	<i>Consistency</i>
SBP:PP	0.955	0.019	0.025	0.937
PP:P	0.901	0.053	0.046	0.863
P:PWD	0.902	0.070	0.029	0.865

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

False Positive = proportion of students with observed score above cut point and true score below cut point

False Negative = proportion of students with observed score below cut point and true score above cut point

**Table O-45. 2008–09 NECAP: Decision Accuracy Cross-Tabulation of True and Observed Achievement Level Proportions—Reading Grade 5**

<i>Observed Achievement Level</i>	<i>True Achievement Level</i>				<i>Total</i>
	<i>SBP</i>	<i>PP</i>	<i>P</i>	<i>PWD</i>	
<i>SBP</i>	0.044	0.013	0.000	0.000	0.057
<i>PP</i>	0.019	0.187	0.048	0.000	0.255
<i>P</i>	0.000	0.044	0.428	0.050	0.523
<i>PWD</i>	0.000	0.000	0.024	0.142	0.166
<i>Total</i>	0.063	0.245	0.499	0.193	1.000

Overall Accuracy (sum of diagonal) = 0.801

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-46. 2008–09 NECAP: Decision Consistency Cross-Tabulation of Observed Achievement Level Proportions for Two Parallel Forms—Reading Grade 5**

<i>Form 2 Achievement Level</i>	<i>Form 1 Achievement Level</i>				<i>Total</i>
	<i>SBP</i>	<i>PP</i>	<i>P</i>	<i>PWD</i>	
<i>SBP</i>	0.040	0.023	0.001	0.000	0.063
<i>PP</i>	0.023	0.158	0.064	0.000	0.245
<i>P</i>	0.001	0.064	0.384	0.052	0.499
<i>PWD</i>	0.000	0.000	0.052	0.141	0.193
<i>Total</i>	0.063	0.245	0.499	0.193	1.000

Overall Consistency (sum of diagonal) = 0.723

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-47. 2008–09 NECAP: Summary of Overall Accuracy and Consistency Indices—Reading Grade 5**

Accuracy	0.801
Consistency	0.723
Kappa (k)	0.574

**Table O-48. 2008–09 NECAP: Indices Conditional On Achievement Level—Reading Grade 5**

<i>Achievement Level</i>	<i>Accuracy</i>	<i>Consistency</i>
<i>SBP</i>	0.770	0.634
<i>PP</i>	0.736	0.647
<i>P</i>	0.819	0.768
<i>PWD</i>	0.858	0.732

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-49. 2008–09 NECAP: Accuracy and Consistency Indices at Cut points—Reading Grade 5**

<i>Cut point</i>	<i>Accuracy</i>	<i>False Positive</i>	<i>False Negative</i>	<i>Consistency</i>
<i>SBP:PP</i>	0.968	0.013	0.019	0.954
<i>PP:P</i>	0.908	0.048	0.044	0.871
<i>P:PWD</i>	0.926	0.050	0.024	0.897

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

False Positive = proportion of students with observed score above cut point and true score below cut point

False Negative = proportion of students with observed score below cut point and true score above cut point

**Table O-50. 2008–09 NECAP: Decision Accuracy Cross-Tabulation of True and Observed Achievement Level Proportions—Reading Grade 6**

<i>Observed Achievement Level</i>	<i>True Achievement Level</i>				Total
	SBP	PP	P	PWD	
SBP	0.058	0.014	0.000	0.000	0.072
PP	0.018	0.207	0.043	0.000	0.268
P	0.000	0.038	0.416	0.043	0.497
PWD	0.000	0.000	0.021	0.142	0.163
Total	0.076	0.259	0.480	0.186	1.000

Overall Accuracy (sum of diagonal) = 0.823

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-51. 2008–09 NECAP: Decision Consistency Cross-Tabulation of Observed Achievement Level Proportions for Two Parallel Forms—Reading Grade 6**

<i>Form 2 Achievement Level</i>	<i>Form 1 Achievement Level</i>				Total
	SBP	PP	P	PWD	
SBP	0.053	0.022	0.000	0.000	0.076
PP	0.022	0.180	0.057	0.000	0.259
P	0.000	0.057	0.379	0.044	0.480
PWD	0.000	0.000	0.044	0.141	0.186
Total	0.076	0.259	0.480	0.186	1.000

Overall Consistency (sum of diagonal) = 0.753

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-52. 2008–09 NECAP: Summary of Overall Accuracy and Consistency Indices—Reading Grade 6**

Accuracy	0.823
Consistency	0.753
Kappa (k)	0.627

**Table O-53. 2008–09 NECAP: Indices Conditional On Achievement Level—Reading Grade 6**

<i>Achievement Level</i>	<i>Accuracy</i>	<i>Consistency</i>
SBP	0.806	0.703
PP	0.771	0.695
P	0.837	0.789
PWD	0.874	0.761

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-54. 2008–09 NECAP: Accuracy and Consistency Indices at Cut points—Reading Grade 6**

<i>Cut point</i>	<i>Accuracy</i>	<i>False Positive</i>	<i>False Negative</i>	<i>Consistency</i>
SBP:PP	0.968	0.014	0.018	0.955
PP:P	0.919	0.043	0.038	0.887
P:PWD	0.936	0.043	0.021	0.911

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

False Positive = proportion of students with observed score above cut point and true score below cut point

False Negative = proportion of students with observed score below cut point and true score above cut point

**Table O-55. 2008–09 NECAP: Decision Accuracy Cross-Tabulation of True and Observed Achievement Level Proportions—Reading Grade 7**

<i>Observed Achievement Level</i>	<i>True Achievement Level</i>				<i>Total</i>
	<i>SBP</i>	<i>PP</i>	<i>P</i>	<i>PWD</i>	
<i>SBP</i>	0.044	0.012	0.000	0.000	0.056
<i>PP</i>	0.017	0.165	0.043	0.000	0.225
<i>P</i>	0.000	0.040	0.446	0.053	0.539
<i>PWD</i>	0.000	0.000	0.024	0.157	0.181
<i>Total</i>	0.061	0.217	0.513	0.209	1.000

Overall Accuracy (sum of diagonal) = 0.812

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-56. 2008–09 NECAP: Decision Consistency Cross-Tabulation of Observed Achievement Level Proportions for Two Parallel Forms—Reading Grade 7**

<i>Form 2 Achievement Level</i>	<i>Form 1 Achievement Level</i>				<i>Total</i>
	<i>SBP</i>	<i>PP</i>	<i>P</i>	<i>PWD</i>	
<i>SBP</i>	0.040	0.020	0.001	0.000	0.061
<i>PP</i>	0.020	0.139	0.057	0.000	0.217
<i>P</i>	0.001	0.057	0.402	0.053	0.513
<i>PWD</i>	0.000	0.000	0.053	0.156	0.209
<i>Total</i>	0.061	0.217	0.513	0.209	1.000

Overall Consistency (sum of diagonal) = 0.737

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-57. 2008–09 NECAP: Summary of Overall Accuracy and Consistency Indices—Reading Grade 7**

Accuracy	0.811
Consistency	0.737
Kappa (k)	0.590

**Table O-58. 2008–09 NECAP: Indices Conditional On Achievement Level—Reading Grade 7**

<i>Achievement Level</i>	<i>Accuracy</i>	<i>Consistency</i>
<i>SBP</i>	0.782	0.656
<i>PP</i>	0.732	0.641
<i>P</i>	0.828	0.784
<i>PWD</i>	0.866	0.745

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-59. 2008–09 NECAP: Accuracy and Consistency Indices at Cut points—Reading Grade 7**

<i>Cut point</i>	<i>Accuracy</i>	<i>False Positive</i>	<i>False Negative</i>	<i>Consistency</i>
<i>SBP:PP</i>	0.971	0.012	0.017	0.958
<i>PP:P</i>	0.917	0.043	0.040	0.884
<i>P:PWD</i>	0.923	0.053	0.024	0.894

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

False Positive = proportion of students with observed score above cut point and true score below cut point

False Negative = proportion of students with observed score below cut point and true score above cut point

**Table O-60. 2008–09 NECAP: Decision Accuracy Cross-Tabulation of True and Observed Achievement Level Proportions—Reading Grade 8**

<i>Observed Achievement Level</i>	<i>True Achievement Level</i>				Total
	SBP	PP	P	PWD	
SBP	0.065	0.016	0.000	0.000	0.080
PP	0.021	0.199	0.046	0.000	0.266
P	0.000	0.041	0.405	0.046	0.492
PWD	0.000	0.000	0.022	0.140	0.161
Total	0.085	0.256	0.473	0.186	1.000

Overall Accuracy (sum of diagonal) = 0.809

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-61. 2008–09 NECAP: Decision Consistency Cross-Tabulation of Observed Achievement Level Proportions for Two Parallel Forms—Reading Grade 8**

<i>Form 2 Achievement Level</i>	<i>Form 1 Achievement Level</i>				Total
	SBP	PP	P	PWD	
SBP	0.060	0.025	0.000	0.000	0.085
PP	0.025	0.170	0.060	0.000	0.256
P	0.000	0.060	0.366	0.047	0.473
PWD	0.000	0.000	0.047	0.139	0.186
Total	0.085	0.256	0.473	0.186	1.000

Overall Consistency (sum of diagonal) = 0.735

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-62. 2008–09 NECAP: Summary of Overall Accuracy and Consistency Indices—Reading Grade**

Accuracy	0.809
Consistency	0.734
Kappa (k)	0.603

**Table O-63. 2008–09 NECAP: Indices Conditional On Achievement Level—Reading Grade 8**

<i>Achievement Level</i>	<i>Accuracy</i>	<i>Consistency</i>
SBP	0.803	0.698
PP	0.749	0.666
P	0.824	0.773
PWD	0.866	0.746

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-64. 2008–09 NECAP: Accuracy and Consistency Indices at Cut points—Reading Grade 8**

<i>Cut point</i>	<i>Accuracy</i>	<i>False Positive</i>	<i>False Negative</i>	<i>Consistency</i>
SBP:PP	0.964	0.016	0.021	0.949
PP:P	0.913	0.046	0.041	0.879
P:PWD	0.932	0.046	0.022	0.906

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

False Positive = proportion of students with observed score above cut point and true score below cut point

False Negative = proportion of students with observed score below cut point and true score above cut point

**Table O-65. 2008–09 NECAP: Decision Accuracy Cross-Tabulation of True and Observed Achievement Level Proportions—Reading Grade 11**

<i>Observed Achievement Level</i>	<i>True Achievement Level</i>				<i>Total</i>
	<i>SBP</i>	<i>PP</i>	<i>P</i>	<i>PWD</i>	
<i>SBP</i>	0.072	0.016	0.000	0.000	0.088
<i>PP</i>	0.020	0.180	0.043	0.000	0.243
<i>P</i>	0.000	0.037	0.376	0.048	0.462
<i>PWD</i>	0.000	0.000	0.024	0.183	0.208
<i>Total</i>	0.092	0.233	0.443	0.232	1.000

Overall Accuracy (sum of diagonal) = 0.811

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-66. 2008–09 NECAP: Decision Consistency Cross-Tabulation of Observed Achievement Level Proportions for Two Parallel Forms—Reading Grade 11**

<i>Form 2 Achievement Level</i>	<i>Form 1 Achievement Level</i>				<i>Total</i>
	<i>SBP</i>	<i>PP</i>	<i>P</i>	<i>PWD</i>	
<i>SBP</i>	0.066	0.025	0.000	0.000	0.092
<i>PP</i>	0.025	0.153	0.055	0.000	0.233
<i>P</i>	0.000	0.055	0.338	0.050	0.443
<i>PWD</i>	0.000	0.000	0.050	0.181	0.232
<i>Total</i>	0.092	0.233	0.443	0.232	1.000

Overall Consistency (sum of diagonal) = 0.738

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-67. 2008–09 NECAP: Summary of Overall Accuracy and Consistency Indices—Reading Grade 11**

Accuracy	0.811
Consistency	0.738
Kappa (k)	0.618

**Table O-68. 2008–09 NECAP: Indices Conditional On Achievement Level—Reading Grade 11**

<i>Achievement Level</i>	<i>Accuracy</i>	<i>Consistency</i>
<i>SBP</i>	0.815	0.721
<i>PP</i>	0.742	0.656
<i>P</i>	0.815	0.761
<i>PWD</i>	0.883	0.782

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-69. 2008–09 NECAP: Accuracy and Consistency Indices at Cut points—Reading Grade 11**

<i>Cut point</i>	<i>Accuracy</i>	<i>False Positive</i>	<i>False Negative</i>	<i>Consistency</i>
<i>SBP:PP</i>	0.964	0.016	0.020	0.949
<i>PP:P</i>	0.920	0.043	0.037	0.889
<i>P:PWD</i>	0.927	0.048	0.024	0.899

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

False Positive = proportion of students with observed score above cut point and true score below cut point

False Negative = proportion of students with observed score below cut point and true score above cut point

**Table O-70. 2008–09 NECAP: Decision Accuracy Cross-Tabulation of True and Observed Achievement Level Proportions—Writing Grade 5**

<i>Observed Achievement Level</i>	<i>True Achievement Level</i>				<i>Total</i>
	<i>SBP</i>	<i>PP</i>	<i>P</i>	<i>PWD</i>	
SBP	0.083	0.034	0.003	0.000	0.120
PP	0.052	0.158	0.083	0.014	0.307
P	0.004	0.065	0.146	0.104	0.320
PWD	0.000	0.004	0.041	0.209	0.254
Total	0.139	0.261	0.273	0.327	1.000

Overall Accuracy (sum of diagonal) = 0.596

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-71. 2008–09 NECAP: Decision Consistency Cross-Tabulation of Observed Achievement Level Proportions for Two Parallel Forms—Writing Grade 5**

<i>Form 2 Achievement Level</i>	<i>Form 1 Achievement Level</i>				<i>Total</i>
	<i>SBP</i>	<i>PP</i>	<i>P</i>	<i>PWD</i>	
SBP	0.073	0.049	0.014	0.002	0.139
PP	0.049	0.111	0.074	0.027	0.261
P	0.014	0.074	0.104	0.082	0.273
PWD	0.002	0.027	0.082	0.217	0.327
Total	0.139	0.261	0.273	0.327	1.000

Overall Consistency (sum of diagonal) = 0.505

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-72. 2008–09 NECAP: Summary of Overall Accuracy and Consistency Indices—Writing Grade 5**

Accuracy	0.595
Consistency	0.504
Kappa (k)	0.321

**Table O-73. 2008–09 NECAP: Indices Conditional On Achievement Level—Writing Grade 5**

<i>Achievement Level</i>	<i>Accuracy</i>	<i>Consistency</i>
SBP	0.690	0.528
PP	0.514	0.424
P	0.458	0.379
PWD	0.821	0.662

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-74. 2008–09 NECAP: Accuracy and Consistency Indices at Cut points—Writing Grade 5**

<i>Cut point</i>	<i>Accuracy</i>	<i>False Positive</i>	<i>False Negative</i>	<i>Consistency</i>
SBP:PP	0.907	0.037	0.056	0.869
PP:P	0.827	0.100	0.073	0.765
P:PWD	0.836	0.118	0.045	0.779

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

False Positive = proportion of students with observed score above cut point and true score below cut point

False Negative = proportion of students with observed score below cut point and true score above cut point

**Table O-75. 2008–09 NECAP: Decision Accuracy Cross-Tabulation of True and Observed Achievement Level Proportions—Writing Grade 8**

<i>Observed Achievement Level</i>	<i>True Achievement Level</i>				<i>Total</i>
	<i>SBP</i>	<i>PP</i>	<i>P</i>	<i>PWD</i>	
SBP	0.098	0.037	0.001	0.000	0.136
PP	0.051	0.235	0.099	0.002	0.386
P	0.001	0.063	0.265	0.073	0.402
PWD	0.000	0.000	0.015	0.061	0.076
Total	0.149	0.335	0.381	0.135	1.000

Overall Accuracy (sum of diagonal) = 0.659

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-76. 2008–09 NECAP: Decision Consistency Cross-Tabulation of Observed Achievement Level Proportions for Two Parallel Forms—Writing Grade 8**

<i>Form 2 Achievement Level</i>	<i>Form 1 Achievement Level</i>				<i>Total</i>
	<i>SBP</i>	<i>PP</i>	<i>P</i>	<i>PWD</i>	
SBP	0.086	0.055	0.008	0.000	0.149
PP	0.055	0.176	0.099	0.006	0.335
P	0.008	0.099	0.218	0.057	0.381
PWD	0.000	0.006	0.057	0.073	0.135
Total	0.149	0.335	0.381	0.135	1.000

Overall Consistency (sum of diagonal) = 0.553

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-77. 2008–09 NECAP: Summary of Overall Accuracy and Consistency Indices—Writing Grade 8**

Accuracy	0.659
Consistency	0.552
Kappa (k)	0.362

**Table O-78. 2008–09 NECAP: Indices Conditional On Achievement Level—Writing Grade 8**

<i>Achievement Level</i>	<i>Accuracy</i>	<i>Consistency</i>
SBP	0.719	0.579
PP	0.609	0.524
P	0.661	0.572
PWD	0.796	0.538

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

**Table O-79. 2008–09 NECAP: Accuracy and Consistency Indices at Cut points—Writing Grade 8**

<i>Cut point</i>	<i>Accuracy</i>	<i>False Positive</i>	<i>False Negative</i>	<i>Consistency</i>
SBP:PP	0.911	0.038	0.051	0.875
PP:P	0.835	0.102	0.064	0.776
P:PWD	0.910	0.074	0.016	0.875

SBP = Substantially Below Proficient; PP = Partially Proficient; P = Proficient; PWD = Proficient with Distinction

False Positive = proportion of students with observed score above cut point and true score below cut point

False Negative = proportion of students with observed score below cut point and true score above cut point

