



RAYMOND SCHOOL DISTRICT

Additional Detailed State Assessment
System/SAT Testing Results 2019

State Assessment System

New Hampshire students in **grades 3-8 and 11** will take the common statewide assessment for English language arts (ELA)/writing and mathematics.

- Grades 3-8 students will take the new NH Statewide Assessment System for ELA/writing and mathematics
- Grade 11 students will continue to take the College Board School Day SAT

New Hampshire students in **grades 5, 8 and 11** will also take the common statewide assessment for science.

- Grades 5, 8 and 11 students will take the new NH Statewide Assessment System for science (no longer NECAP)
- Science is now administered in grade 5, not grade 4



NEW HAMPSHIRE

STATEWIDE ASSESSMENT SYSTEM

State Assessment System

- SAS is an online, computer-adaptive assessment aligned to the NH College and Career Ready Standards.
- SAS assesses two subject areas: Math and English Language Arts/Literacy (Science 5, 8, & 11).
- Presents a measure of how well a student is performing against the academic standards that guide instruction
- The NH SAS is a summative snapshot of a student's grade level academic achievement.
- SAS assesses students in grades 3-8.
- SAT assesses students in grade 11.

Math Assessment Composition

Grade 3	Total Number of Items:		34
Reporting Category	Percentage of Test		
	Min	Max	Average
Operations and Algebraic Thinking	29%	38%	34%
Numbers and Operations—Base Ten and Fractions	38%	47%	43%
Measurement and Data and Geometry	24%	29%	26%

Grade 4	Total Number of Items:		34
Reporting Category	Percentage of Test		
	Min	Max	Average
Operations and Algebraic Thinking	24%	32%	28%
Numbers and Operations—Base Ten and Fractions	44%	53%	49%
Measurement and Data & Geometry	24%	29%	26%

Grade 5	Total Number of Items:		34
Reporting Category	Percentage of Test		
	Min	Max	Average
Operations and Algebraic Thinking	24%	32%	28%
Numbers and Operations—Base Ten and Fractions	41%	50%	46%
Measurement and Data and Geometry	26%	32%	29%

Grade 6	Total Number of Items:		34
Reporting Category	Percentage of Test		
	Min	Max	Average
Ratios and Proportional Relationships and Number System	38%	47%	43%
Expressions and Equations	29%	38%	34%
Geometry and Statistics and Probability	24%	24%	24%

Grade 7	Total Number of Items:		34
Reporting Category	Percentage of Test		
	Min	Max	Average
Ratios and Proportional Relationships and Number System	24%	29%	26%
Expressions and Equations	24%	29%	26%
Geometry	24%	29%	26%
Statistics and Probability	24%	29%	26%

Grade 8	Total Number of Items:		34
Reporting Category	Percentage of Test		
	Min	Max	Average
Expressions and Equations and Number System	29%	38%	34%
Functions	24%	29%	26%
Geometry and Statistics and Probability	38%	47%	43%

DOK Ranges - All Grades			
	Min	Max	Average
DOK 1	15%	25%	20%
DOK 2	50%	65%	58%
DOK 3	15%	25%	20%

ELA Assessment Composition

Reading	Literary: 50% Informational: 50%	42 items
Reading Literature		16–18
	Key Ideas and Details	4–6
	Craft and Structure	4–6
	Integration of Knowledge and Ideas	1–4
	Language/Vocabulary Acquisition and Use	1–2
	Listening	0–4
Reading Informational		16–18
	Key Ideas and Details	6–8
	Craft and Structure	6–8
	Integration of Knowledge and Ideas	2–6
	Language/Vocabulary Acquisition and Use	1–2
	Listening	0–4
Language/Editing		6–8
Writing		1
Task 1: Expository Essay		0–1
Task 2: Argumentative Essay		0–1

Scoring- Overall Performance Scores

Level 4 - Proficient with Distinction - Exceeded achievement standard

Level 3 - Proficient - Met the achievement standard

Level 2 - Below Proficient - Nearly met the achievement standard

Level 1 - Substantially Below Proficient - Not met the achievement standard

Math Cut Scores

NH SAS Mathematics Scale Score Proficiency Cuts

Grade	Below Proficient	Approaching Proficient	Proficient	Above Proficient
3	300-409	410-430	431-454	455-550
4	310-430	431-459	460-491	492-610
5	320-459	460-494	495-521	522-660
6	330-478	479-517	518-555	556-720
7	340-506	507-551	552-586	587-750
8	350-538	539-590	591-624	625-830

ELA Cut Scores

NH SAS ELA (Reading & Writing) Scale Score Proficiency Cuts

Grade	Below Proficient	Approaching Proficient	Proficient	Above Proficient
3	420-556	557-586	587-615	616-750
4	430-579	580-604	605-634	635-790
5	450-593	594-620	621-663	664-810
6	460-604	605-641	642-687	688-830
7	470-607	608-643	644-696	697-850
8	480-624	625-660	661-710	711-870

Science Cut Scores

NH SAS Science Scale Score Proficiency Cuts

Grade	Below Proficient	Approaching Proficient	Proficient	Above Proficient
5	500 – 543	544 – 553	554 – 565	566 – 600
8	800 – 844	845 – 853	854 – 869	870 – 900
11	1100 – 1145	1146 – 1152	1153 – 1175	1176 – 1200

Reporting

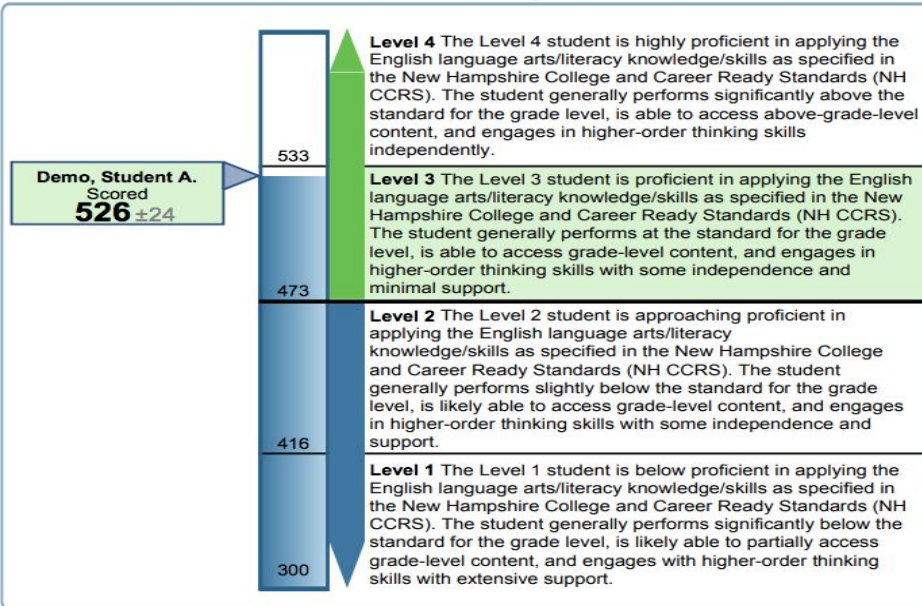
2

Overall Performance on the SAS Summative ELA/Reading Grade 4 Test: Demo, Student A., 2017-2018

Name	SSID	Scale Score	Achievement Level
Demo, Student A.	99991122	526 ±24	Level 3 - Proficient

3

Scale Score and Performance on the SAS Summative ELA/Reading Grade 4 Test: Demo, Student A., 2017-2018



Information on Comparing Score with Previous Year's Score

To find more information on how to link your student's current year score to previous year's scores, please go to: http://nh.portal.airast.org/core/fileparse.php/2173/urlt/NH_SAS_Score_Linkage.pdf

Information on Standard Error of Measurement

A student's score is best interpreted when recognizing that the student's knowledge and skills fall within a score range and not just a precise number. For example, 500 (+/-30) indicates a score range between 470 and 530.

The table and the graph below indicate student performance on individual claims. The black line indicates the student's score on each claim. The green rectangle shows the range of likely scores your student would receive if he or she took the test multiple times.

Performance on the SAS Summative ELA/Reading Grade 4 Test, by Reporting Category: Demo, Student A., 2017-2018

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Reporting Category	Reporting Category Performance	Reporting Category Description
Reading Literary Text		<p>On or Above</p> <p>This section will be populated after the standard setting during the summer of 2018.</p>
Reading Informational Text		<p>At or Approaching</p> <p>This section will be populated after the standard setting during the summer of 2018.</p>

New Hampshire's State Assessment History

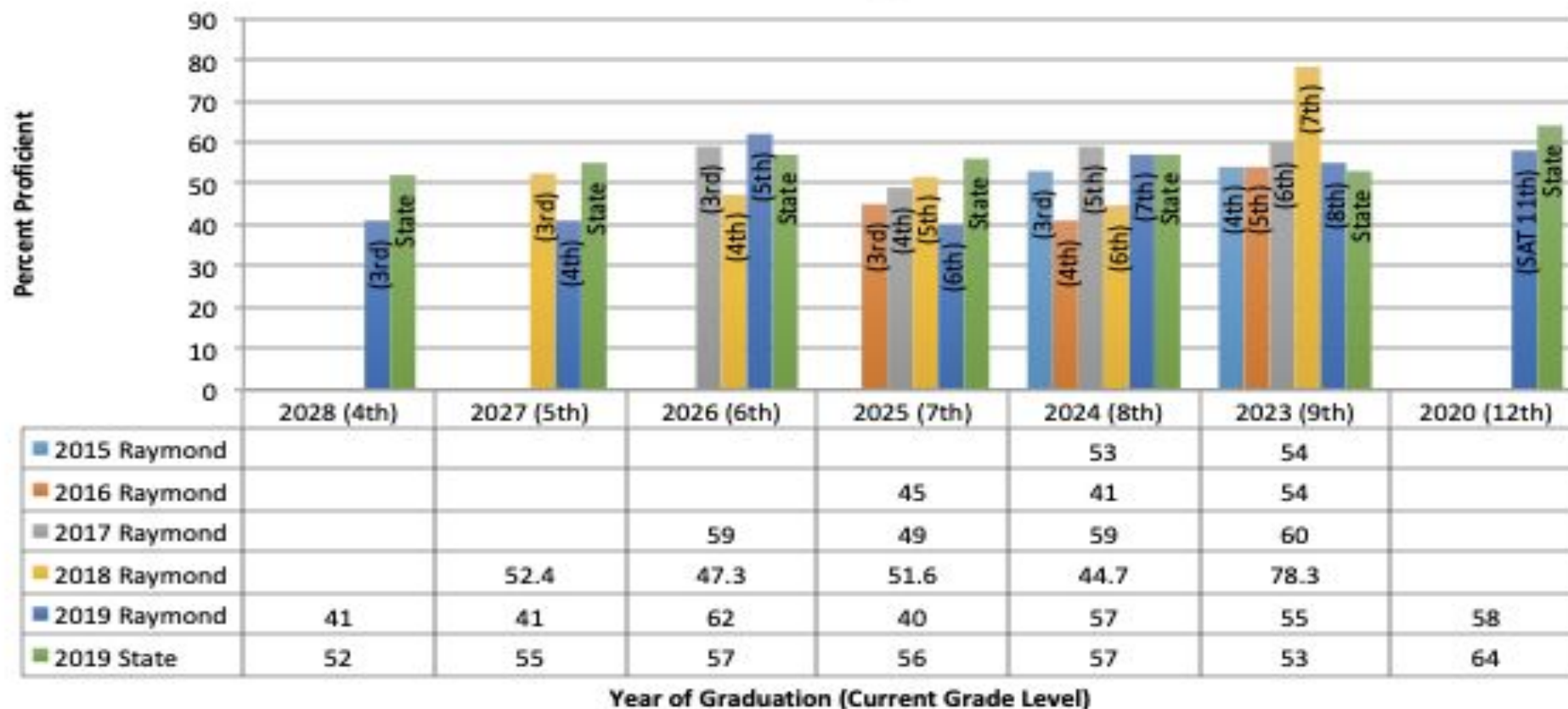
NECAP (2003- 2013) Fall Assessment

Smarter Balanced (2015 -2016) Spring Assessment

State Assessment System (2017 - 2021) Spring Assessment

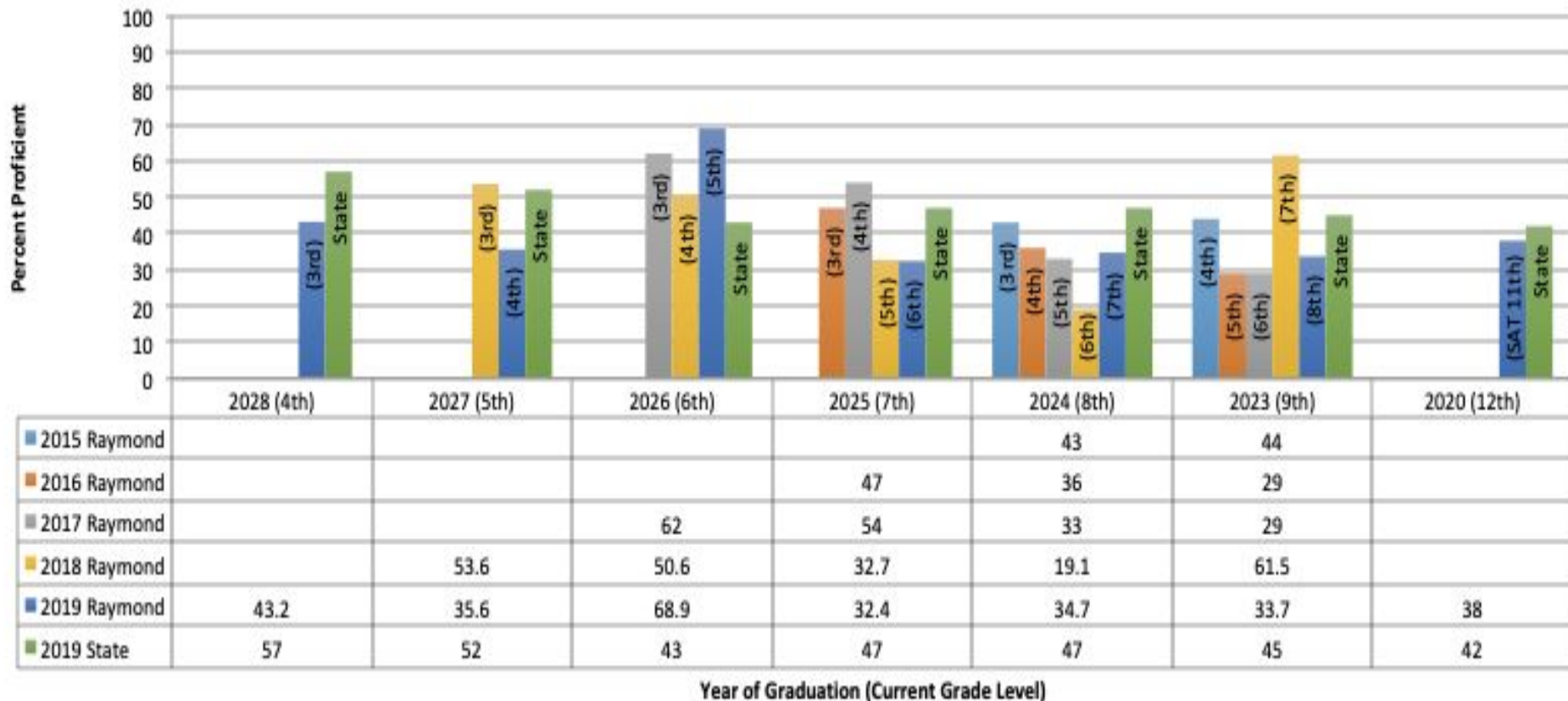


Five Year Cohort Comparison - ELA















■ 2015 Raymond
 ■ 2016 Raymond
 ■ 2017 Raymond
 ■ 2018 Raymond
 ■ 2019 Raymond
 ■ 2019 State

Five Year Cohort Comparison - Math



■ 2015 Raymond
 ■ 2016 Raymond
 ■ 2017 Raymond
 ■ 2018 Raymond
 ■ 2019 Raymond
 ■ 2019 State

SAT Mean Assessment Scores - 2019













Scores by Students		Benchmarks by Students		Essay Scores by Students	
Group	Number of Test Takers	Mean Total Score 400-1600 ?	Mean Evidence-based Reading and Writing Score 200-800 ?	Mean Math Score 200-800 ?	
School	66	984 	489 	494 	↗ Score Details
District ?	66	984 	489 	494 	
State ?	12,286	1025 	516 	509 	
Total Group ?	960,735	973 	491 	482 	

SAT Mean Assessment Scores - 2018

Scores by Students

Benchmarks by Students

Essay Scores by Students

Group	Number of Test Takers	Mean Total Score 400-1600 ?	Mean Evidence-based Reading and Writing Score 200-800 ?	Mean Math Score 200-800 ?	
School	65	1040 	526 	515 	↗ Score Details
District ?	65	1040 	526 	515 	
State ?	12,014	1034 	521 	513 	
Total Group ?	66,898	980 	497 	483 	

SAT Mean Total Scores - 2017

School
Mean Score

955

District
Mean Score

955

State
Mean Score

1036

Total Group
Mean Score

996

[Less](#)

84 Test Takers
125 Enrolled ⓘ
67% Participation ⓘ

84 Test Takers
125 Enrolled ⓘ
67% Participation ⓘ

12,777 Test Takers
15,579 Enrolled ⓘ
82% Participation ⓘ

358,341 Test Takers
4,012,640 Enrolled ⓘ
9% Participation ⓘ

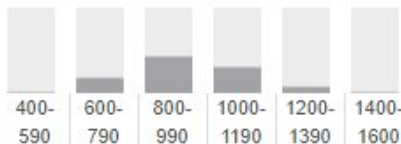
24% Met Both Benchmarks ⓘ
48% Met ERW ⓘ
29% Met Math ⓘ
48% Met None ⓘ

24% Met Both Benchmarks ⓘ
48% Met ERW ⓘ
29% Met Math ⓘ
48% Met None ⓘ

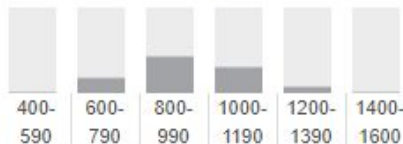
41% Met Both Benchmarks ⓘ
66% Met ERW ⓘ
44% Met Math ⓘ
31% Met None ⓘ

33% Met Both Benchmarks ⓘ
57% Met ERW ⓘ
35% Met Math ⓘ
41% Met None ⓘ

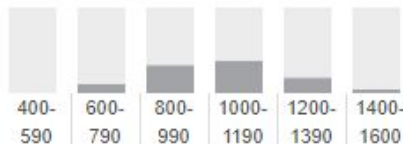
Distribution of Scores



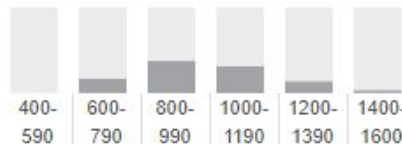
Distribution of Scores



Distribution of Scores



Distribution of Scores



























SAT Benchmark Scores - 2019

Scores by Students

Benchmarks by Students

Essay Scores by Students

























Group	Number of Test Takers	Met Both Benchmarks ?	Met No Benchmarks ?	ERW Benchmark (480) ?	Math Benchmark (530) ?
School	66	32% Met Both	41% Met None	Met 58%  Approaching 12%  Strengthen Skills 30% 	Met 33%  Approaching 17%  Strengthen Skills 50% 
District ?	66	32% Met Both	41% Met None	Met 58%  Approaching 12%  Strengthen Skills 30% 	Met 33%  Approaching 17%  Strengthen Skills 50% 
State ?	12,286	41% Met Both	33% Met None	Met 64%  Approaching 7%  Strengthen Skills 29% 	Met 43%  Approaching 8%  Strengthen Skills 49% 
Total Group ?	960,735	31% Met Both	45% Met None	Met 53%  Approaching 7%  Strengthen Skills 40% 	Met 33%  Approaching 8%  Strengthen Skills 60% 

SAT Benchmark Scores - 2018

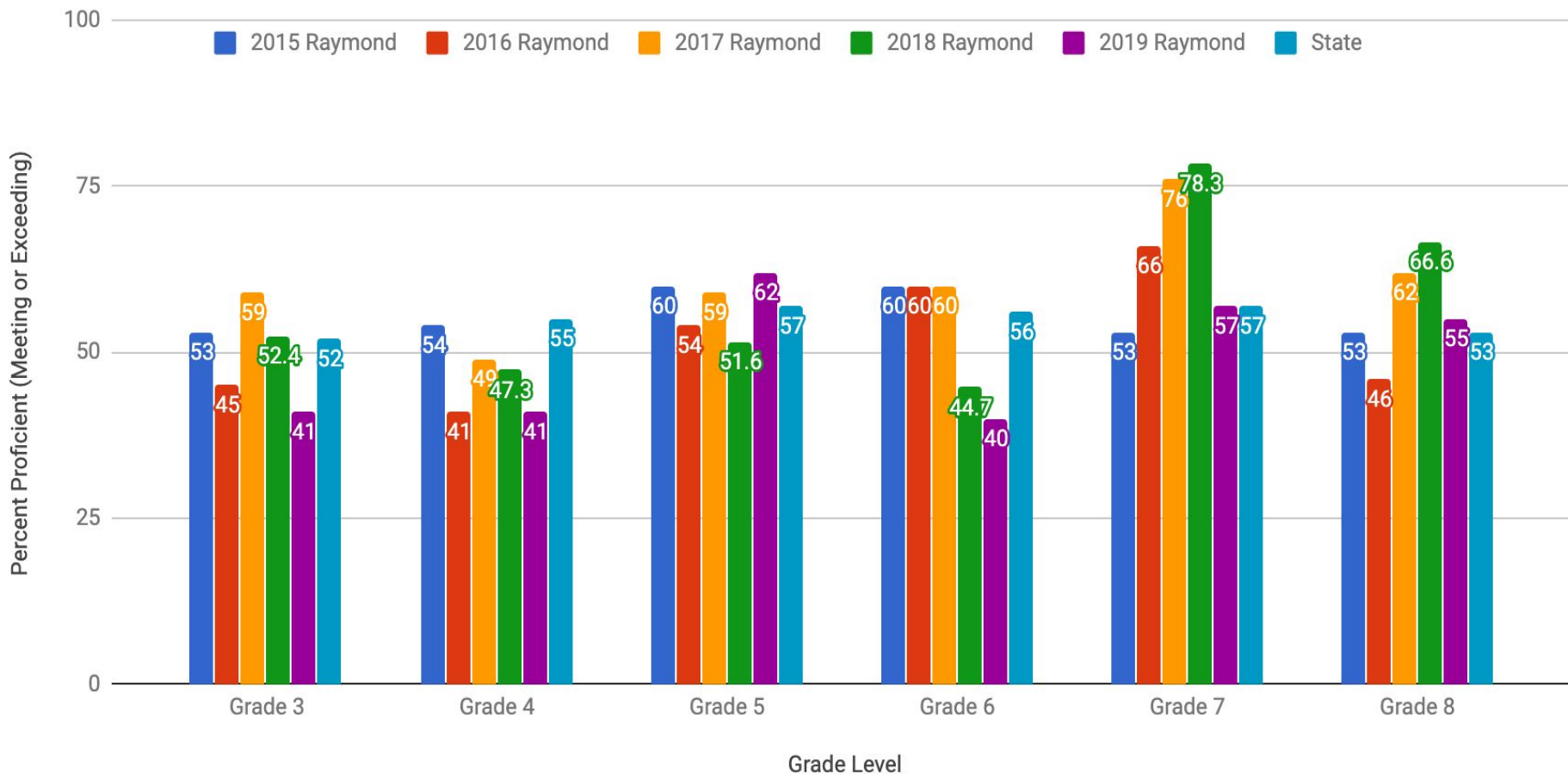
Scores by Students

Benchmarks by Students

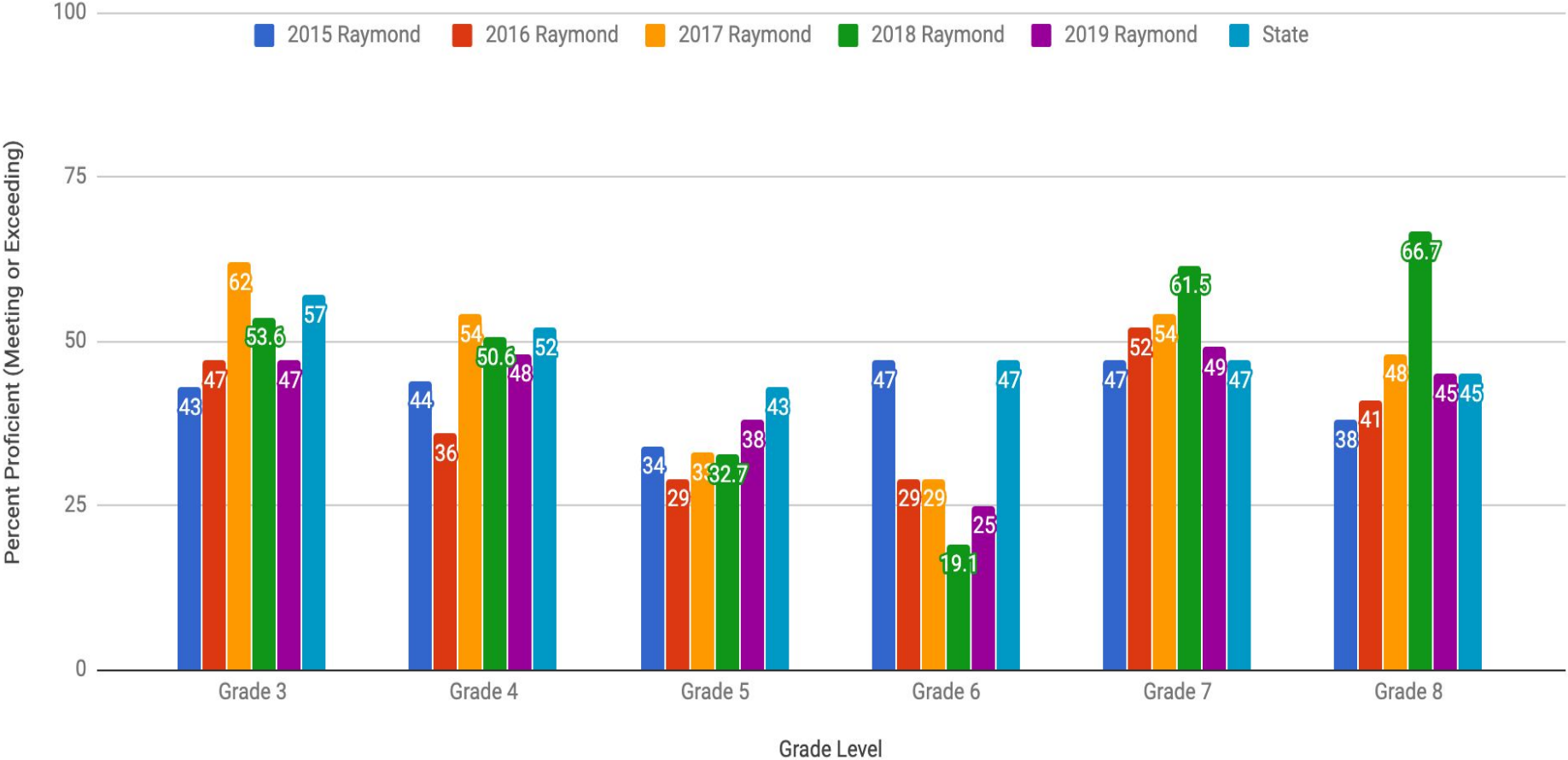
Essay Scores by Students

Group	Number of Test Takers	Met Both Benchmarks ?	Met No Benchmarks ?	ERW Benchmark (480) ?	Math Benchmark (530) ?
School	65	38% Met Both	34% Met None	Met 66%  Approaching 3%  Strengthen Skills 31% 	Met 38%  Approaching 15%  Strengthen Skills 46% 
District ?	65	38% Met Both	34% Met None	Met 66%  Approaching 3%  Strengthen Skills 31% 	Met 38%  Approaching 15%  Strengthen Skills 46% 
State ?	12,014	40% Met Both	31% Met None	Met 67%  Approaching 7%  Strengthen Skills 26% 	Met 42%  Approaching 10%  Strengthen Skills 48% 
Total Group ?	66,898	29% Met Both	42% Met None	Met 56%  Approaching 7%  Strengthen Skills 36% 	Met 31%  Approaching 8%  Strengthen Skills 61% 

Five Year Grade Level and State Comparison - ELA



Five Year Grade Level State and Comparison - Math

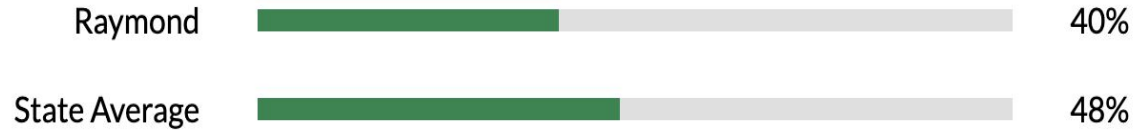


District and State Average Comparison

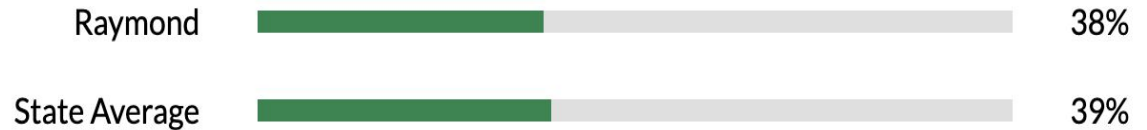
ENGLISH LANGUAGE ARTS



MATHEMATICS

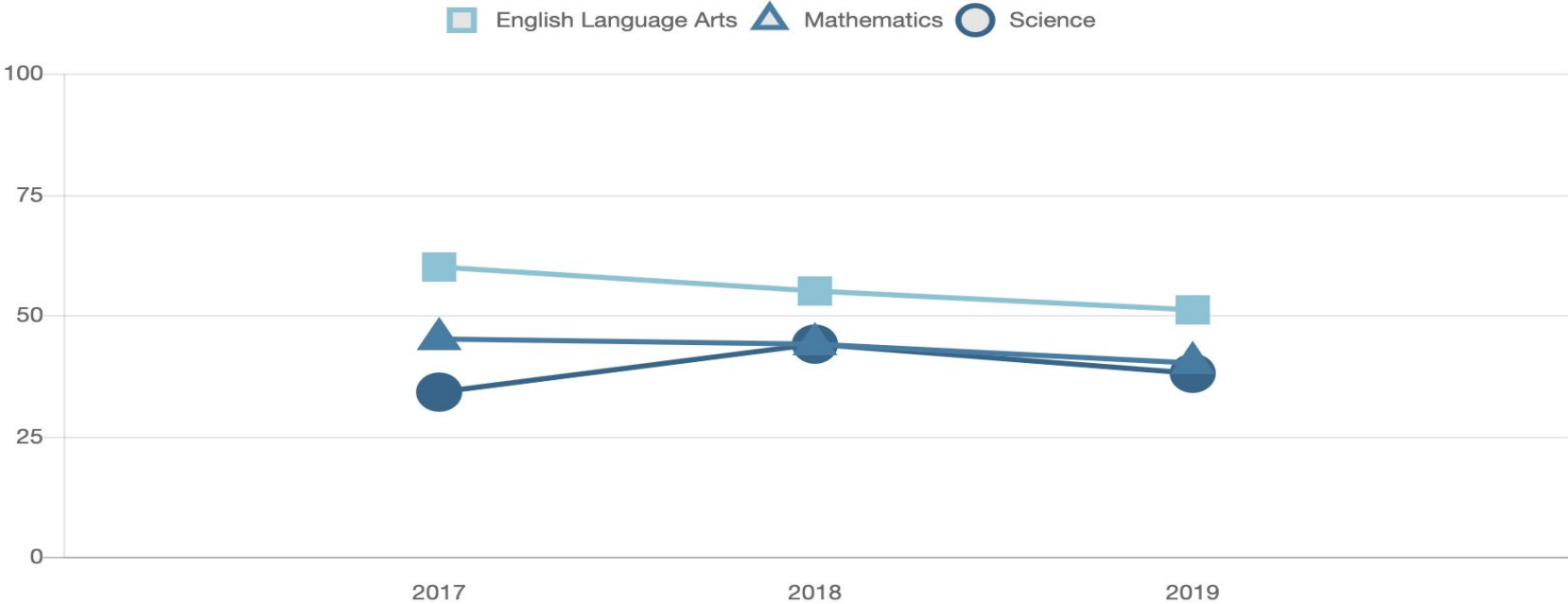


SCIENCE



District Progression Over Time

ASSESSMENT PROFICIENCY OVER TIME

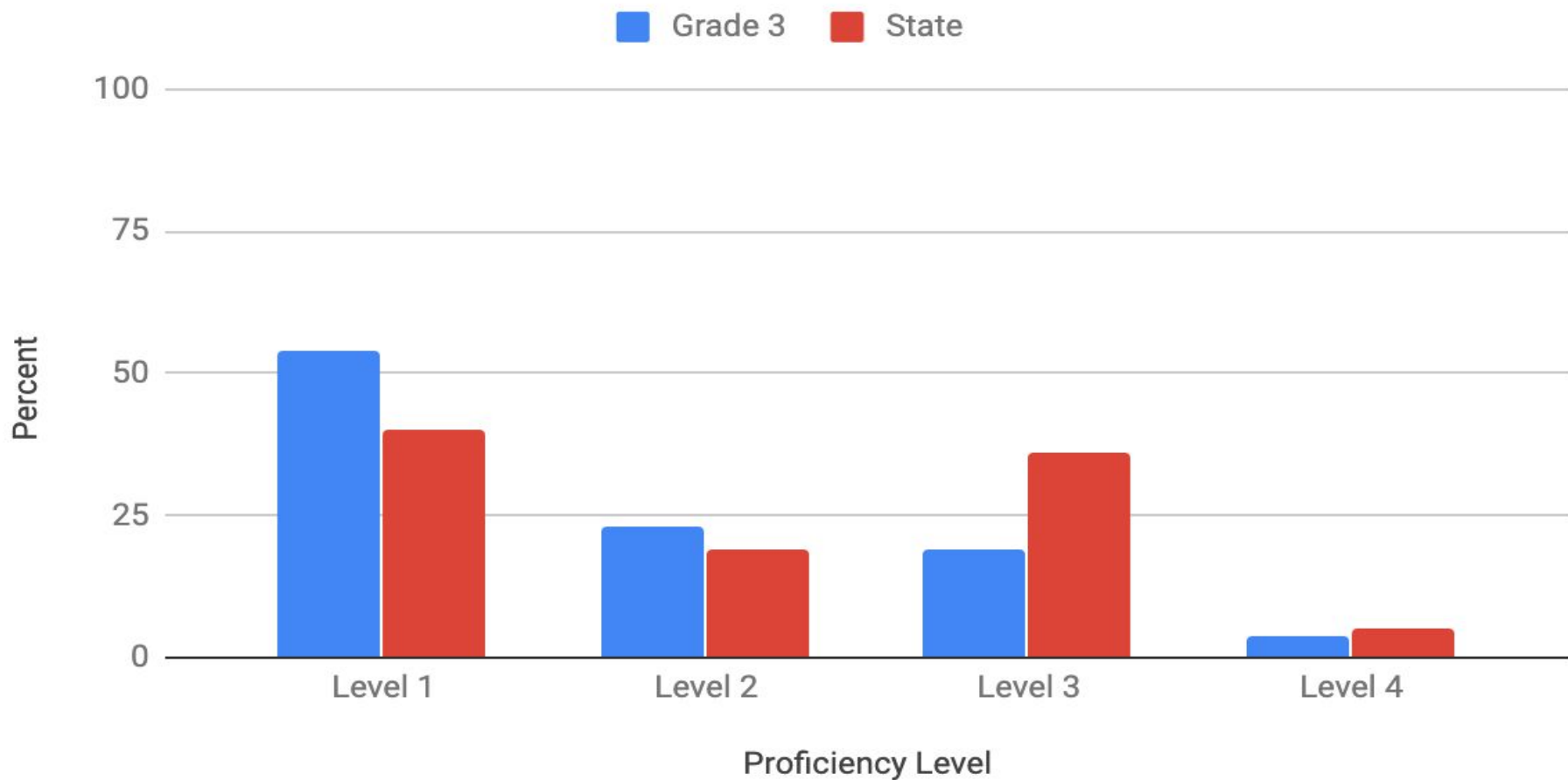


How Did Raymond Students Score in ELA?

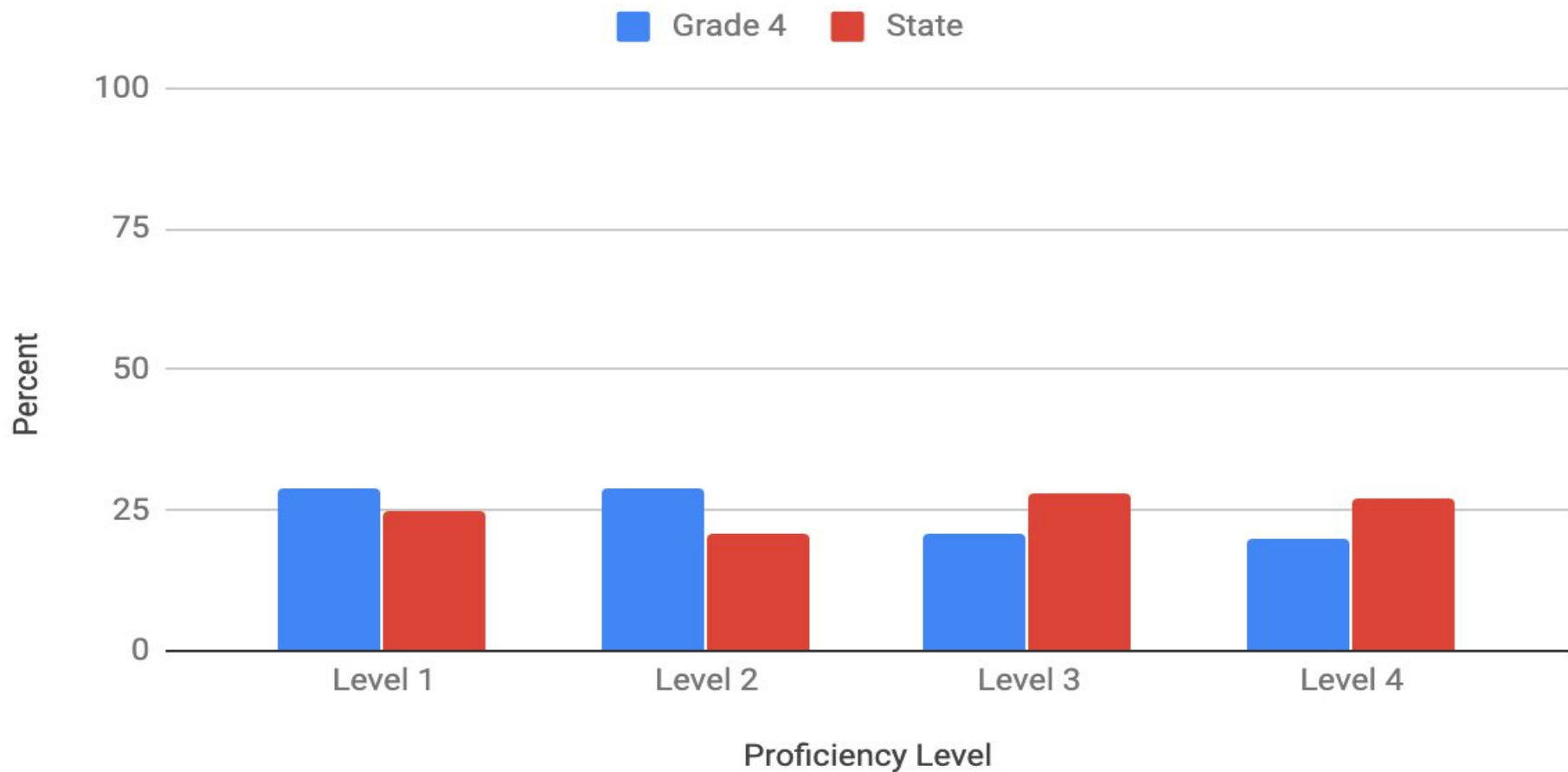


RAYMOND SCHOOL DISTRICT

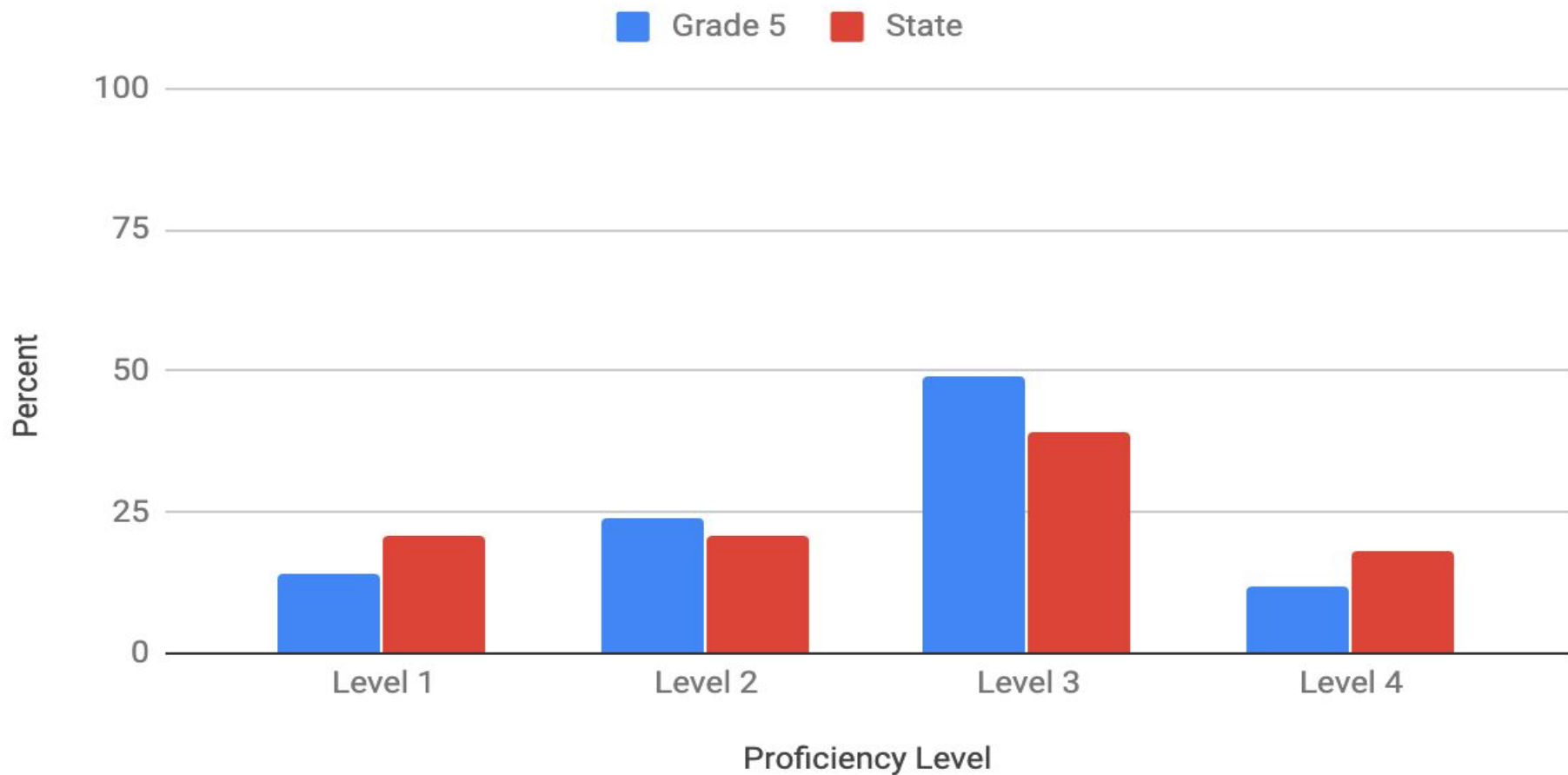
ELA: Grade 3 and State



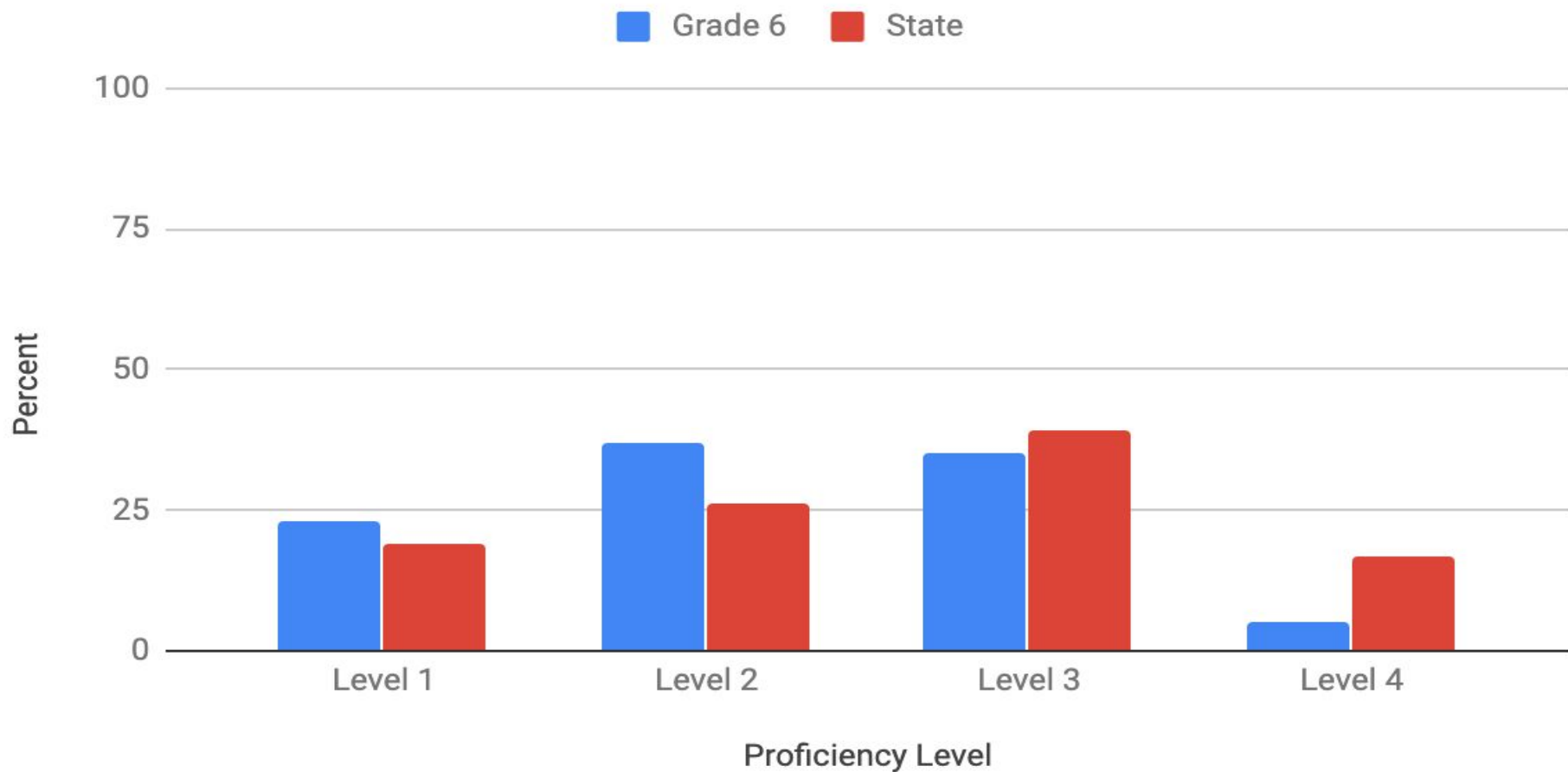
ELA: Grade 4 and State



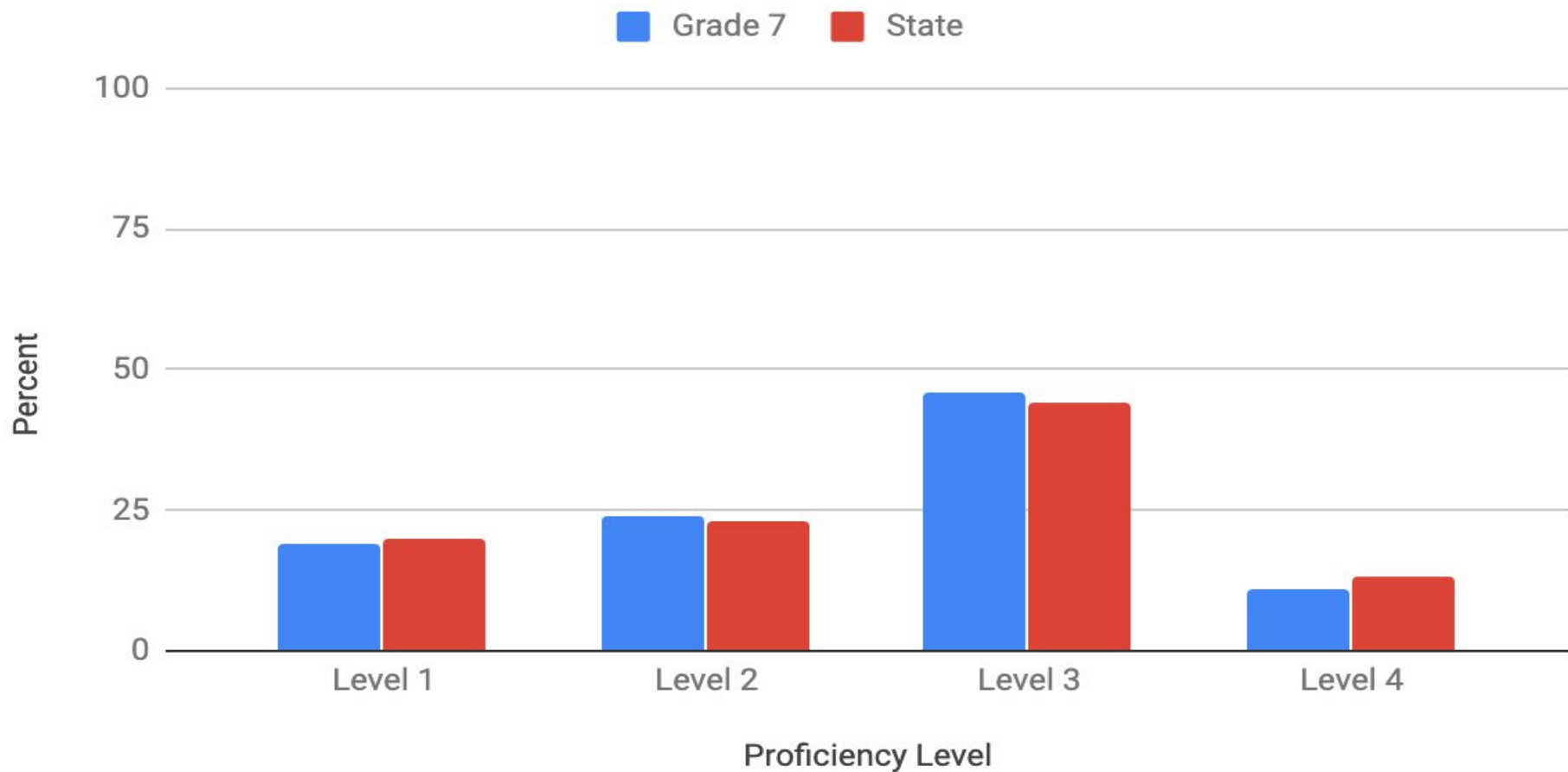
ELA: Grade 5 and State



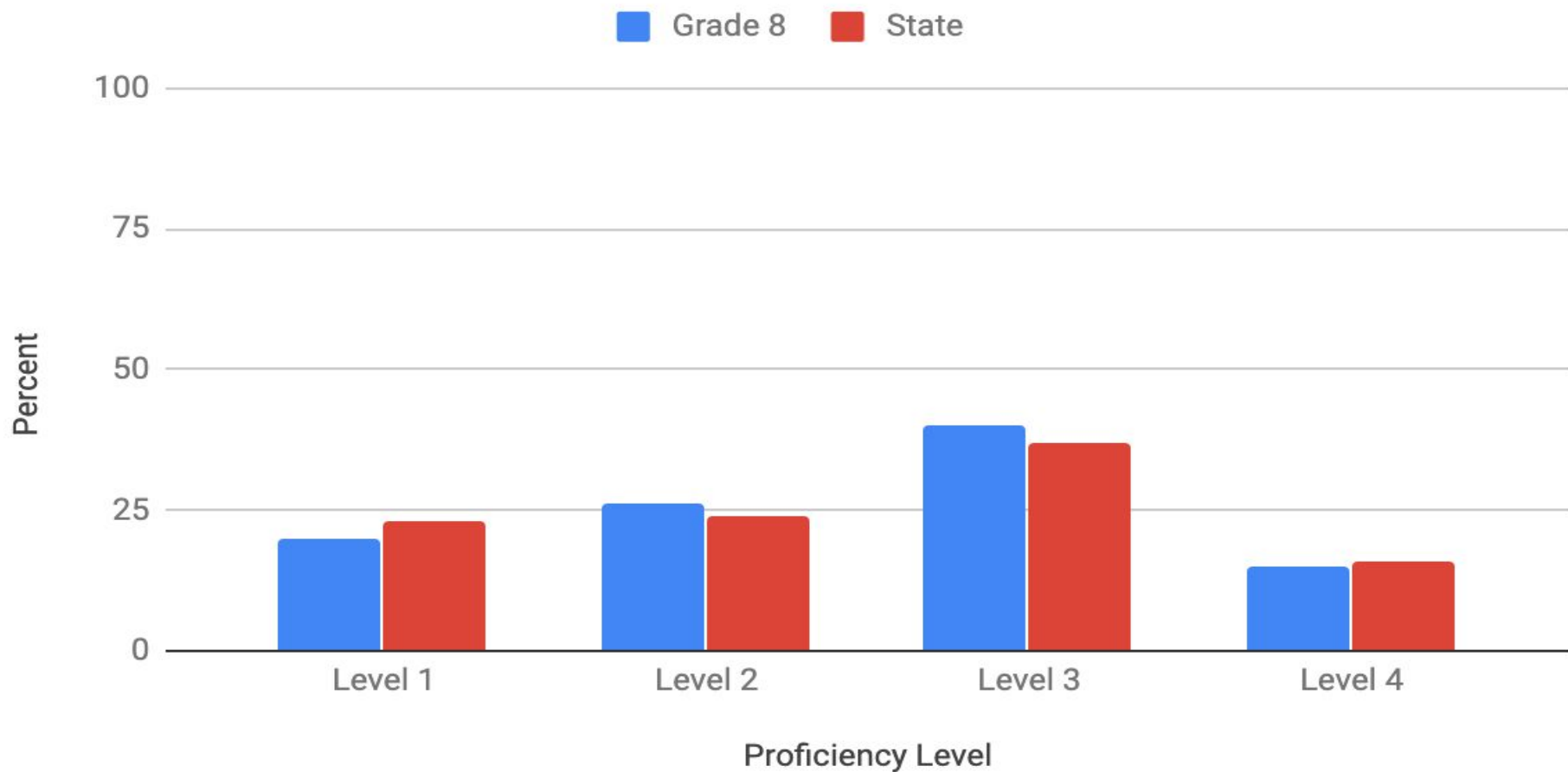
ELA: Grade 6 and State



ELA: Grade 7 and State



ELA: Grade 8 and State

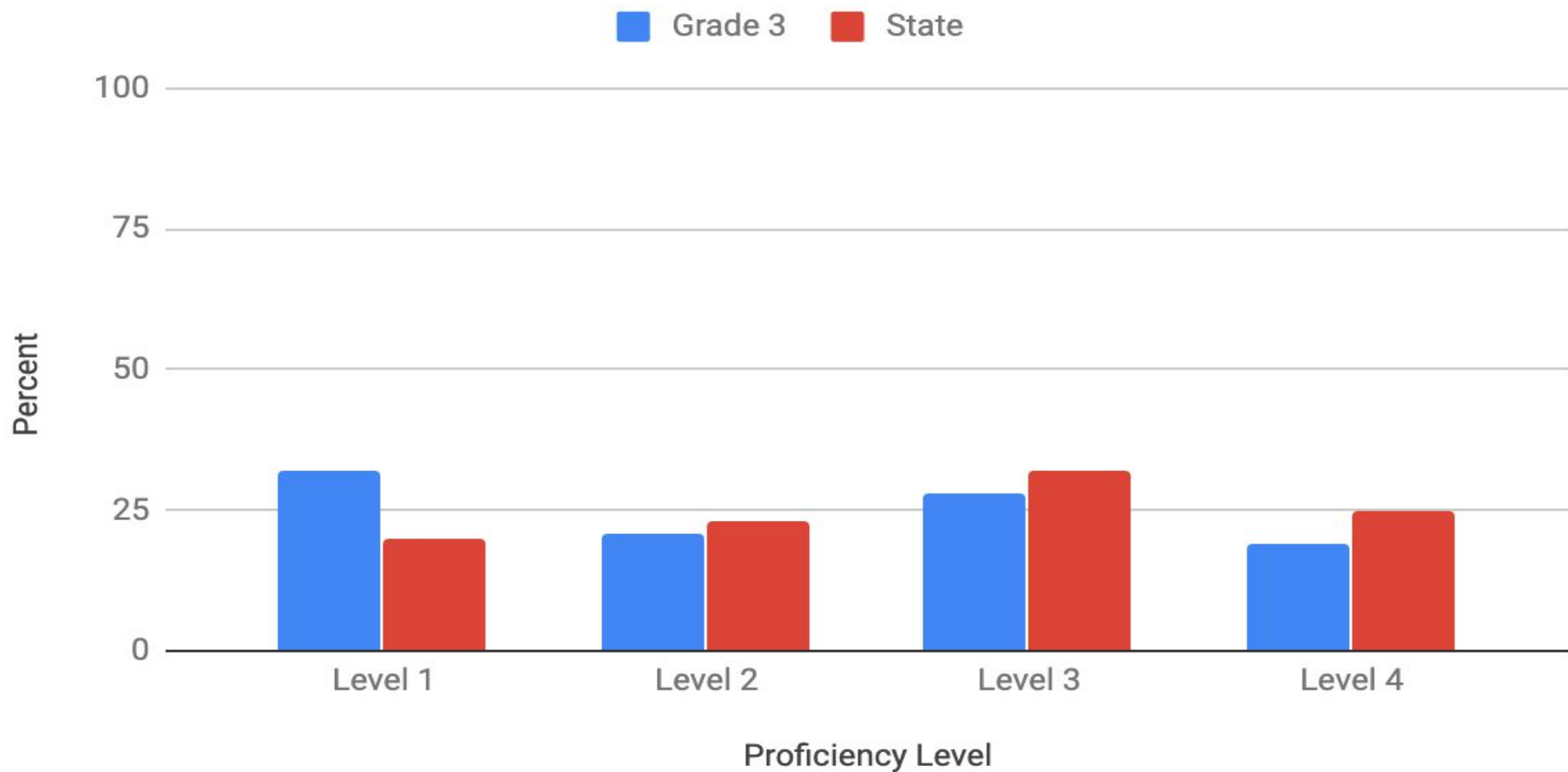


How Did Raymond Students Score in Math?

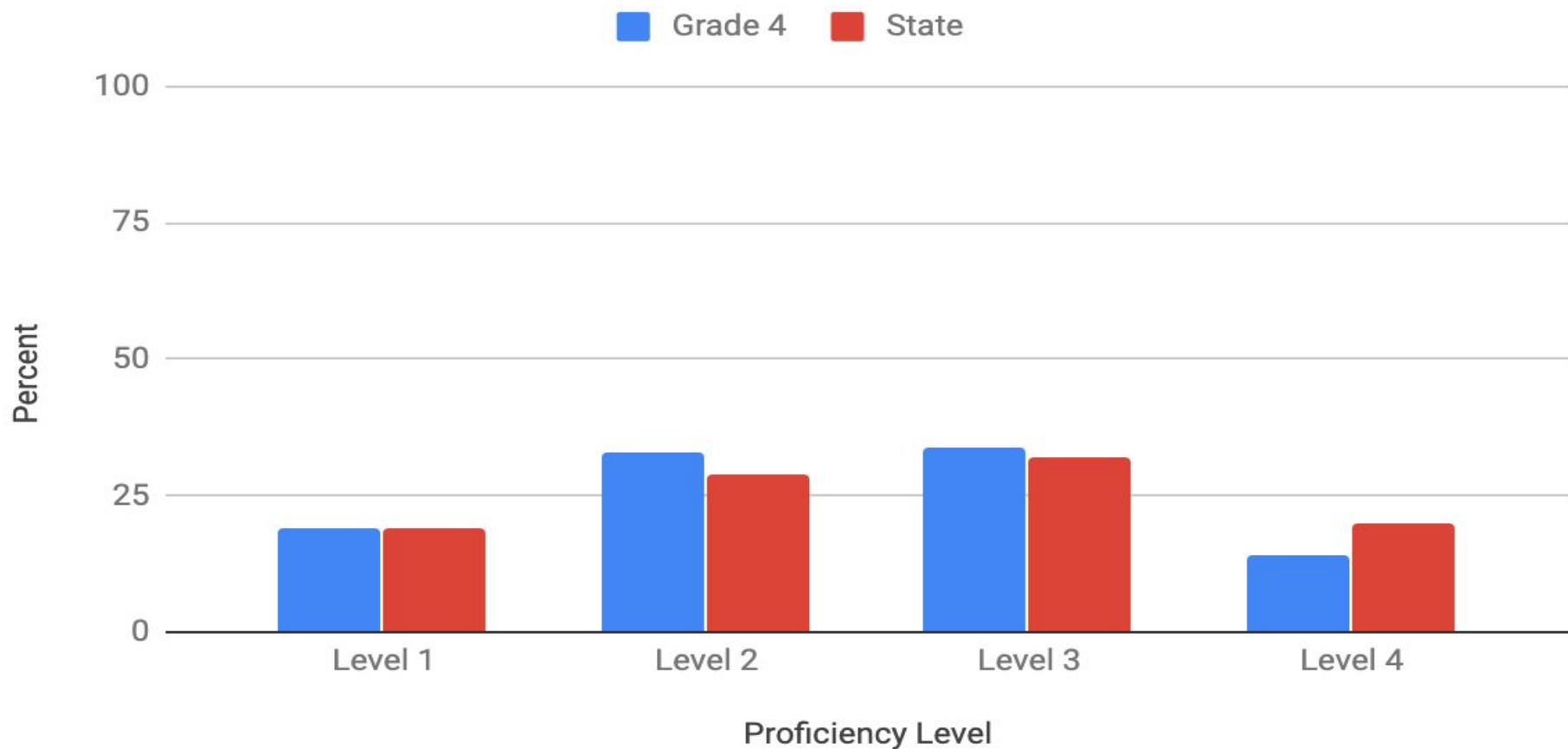


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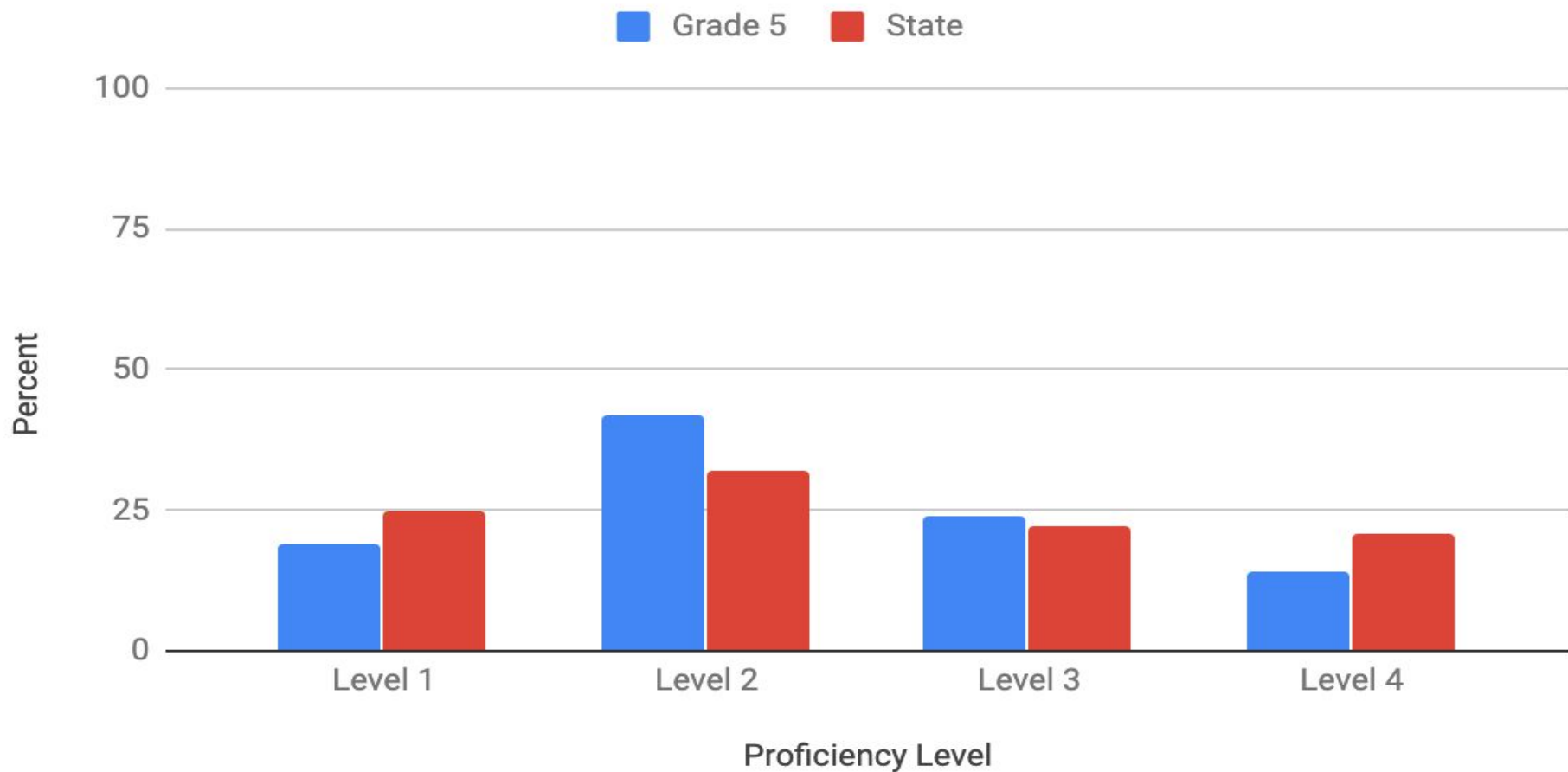
Math: Grade 3 and State



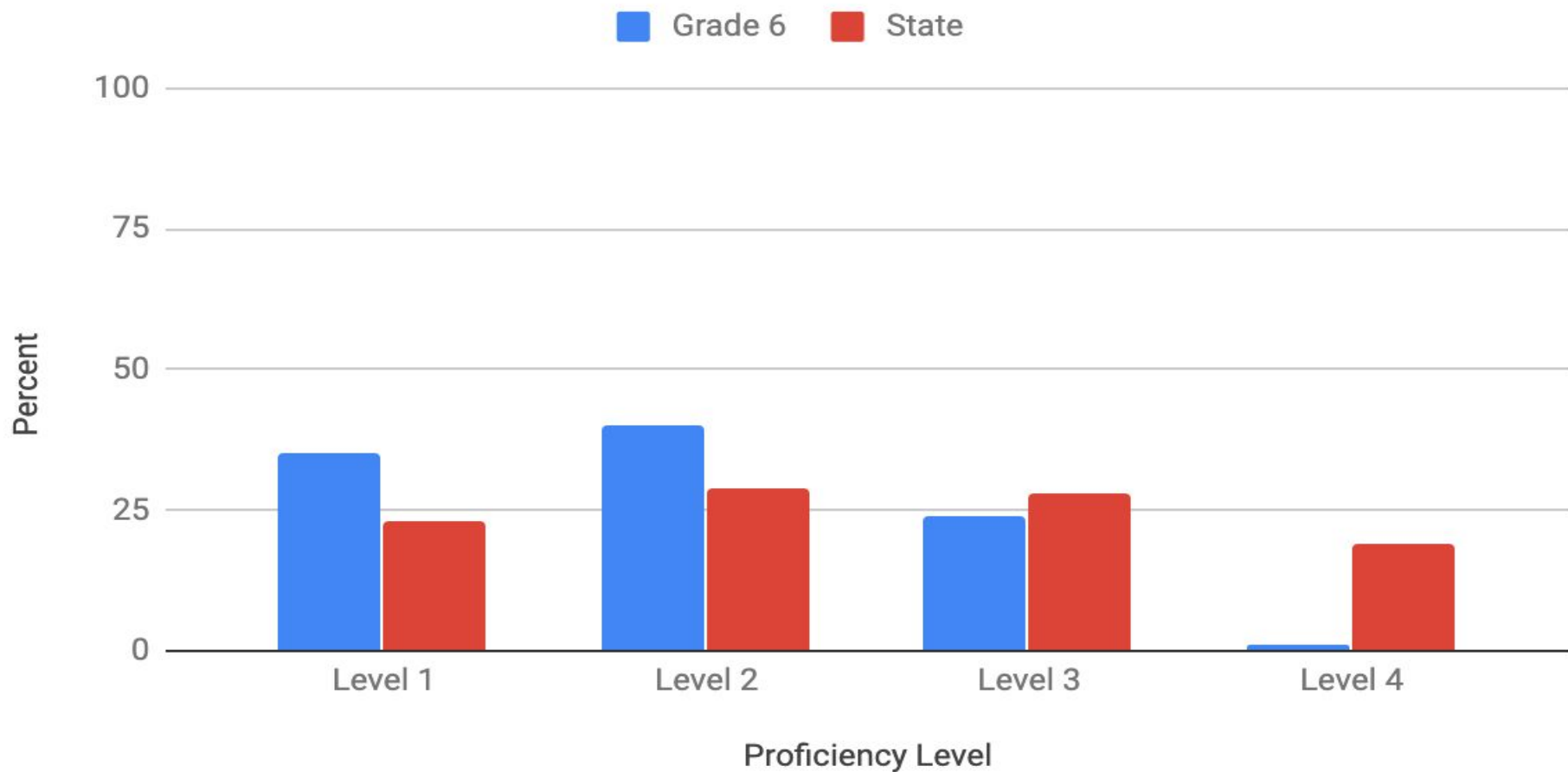
Math: Grade 4 and State



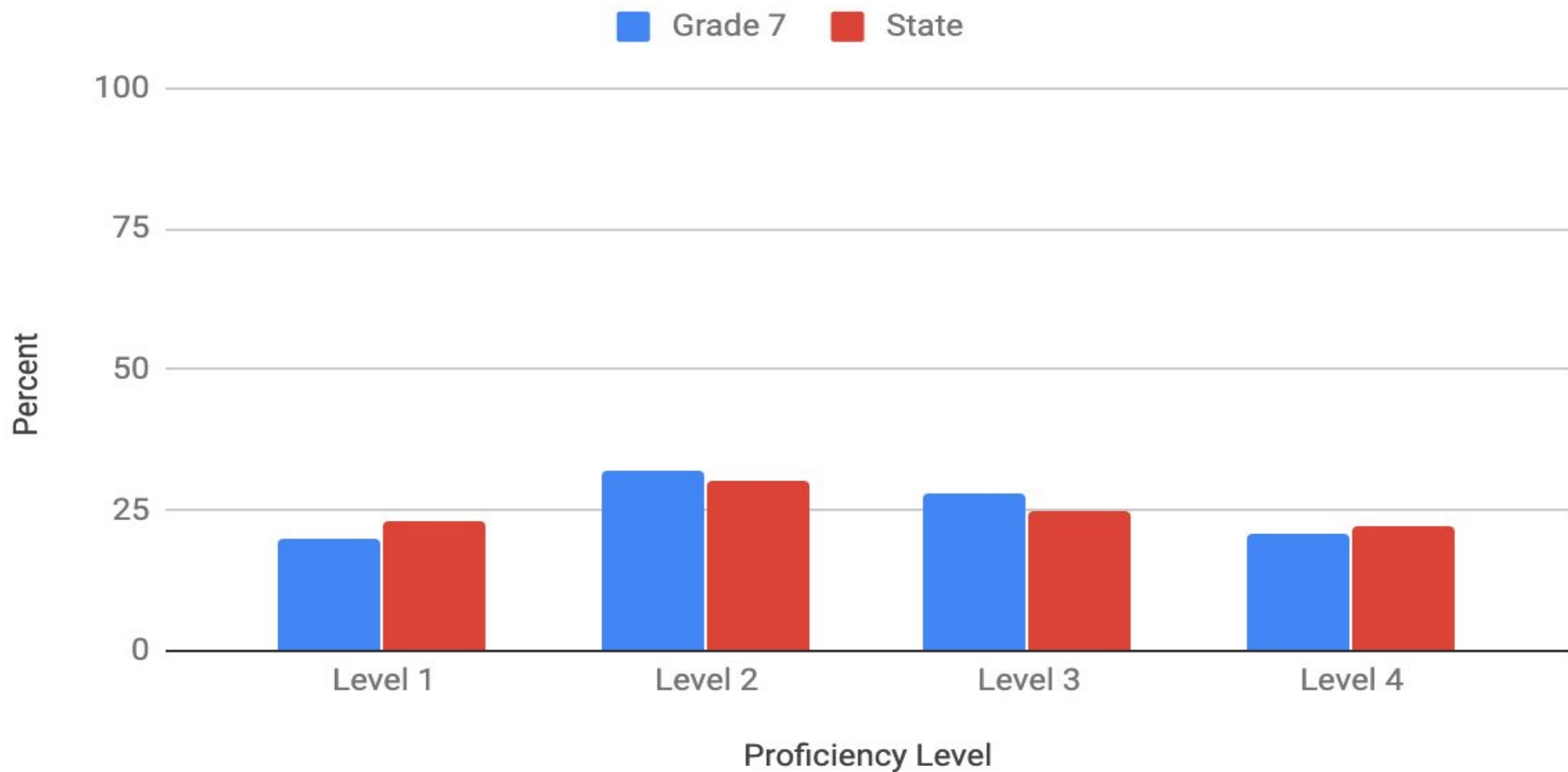
Math: Grade 5 and State



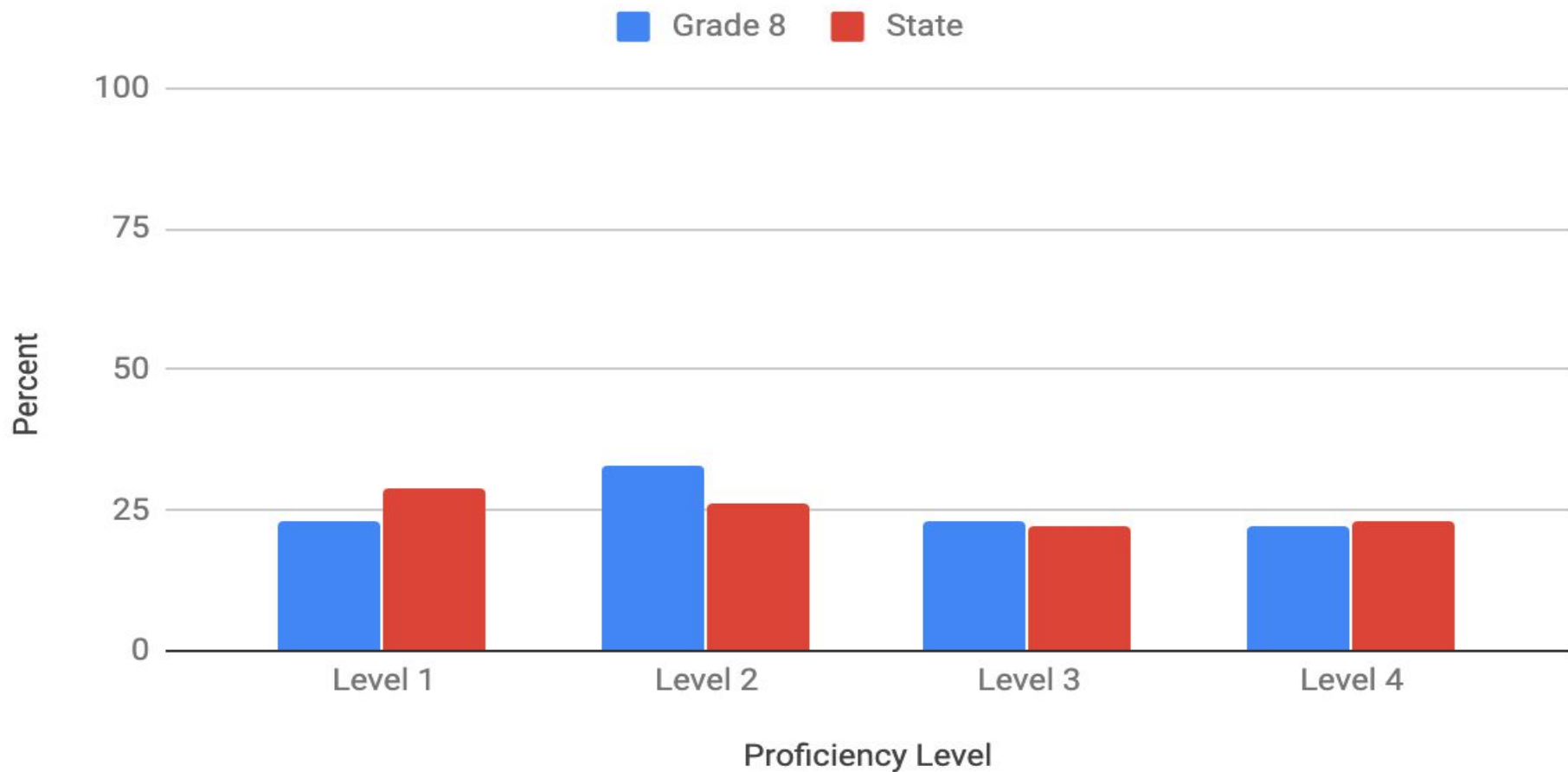
Math: Grade 6 and State



Math: Grade 7 and State



Math: Grade 8 and State

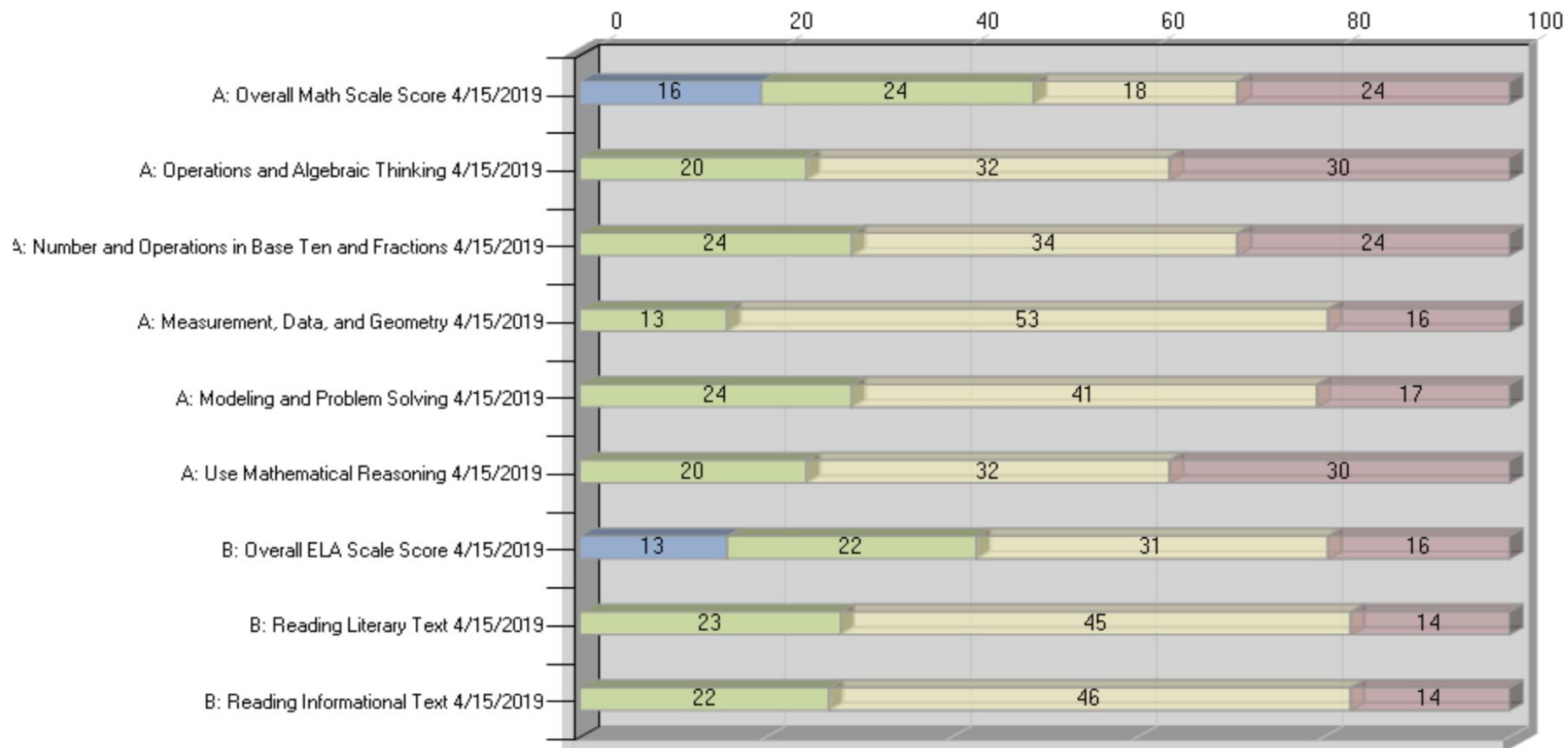


A Deeper Look at the Data



RAYMOND SCHOOL DISTRICT

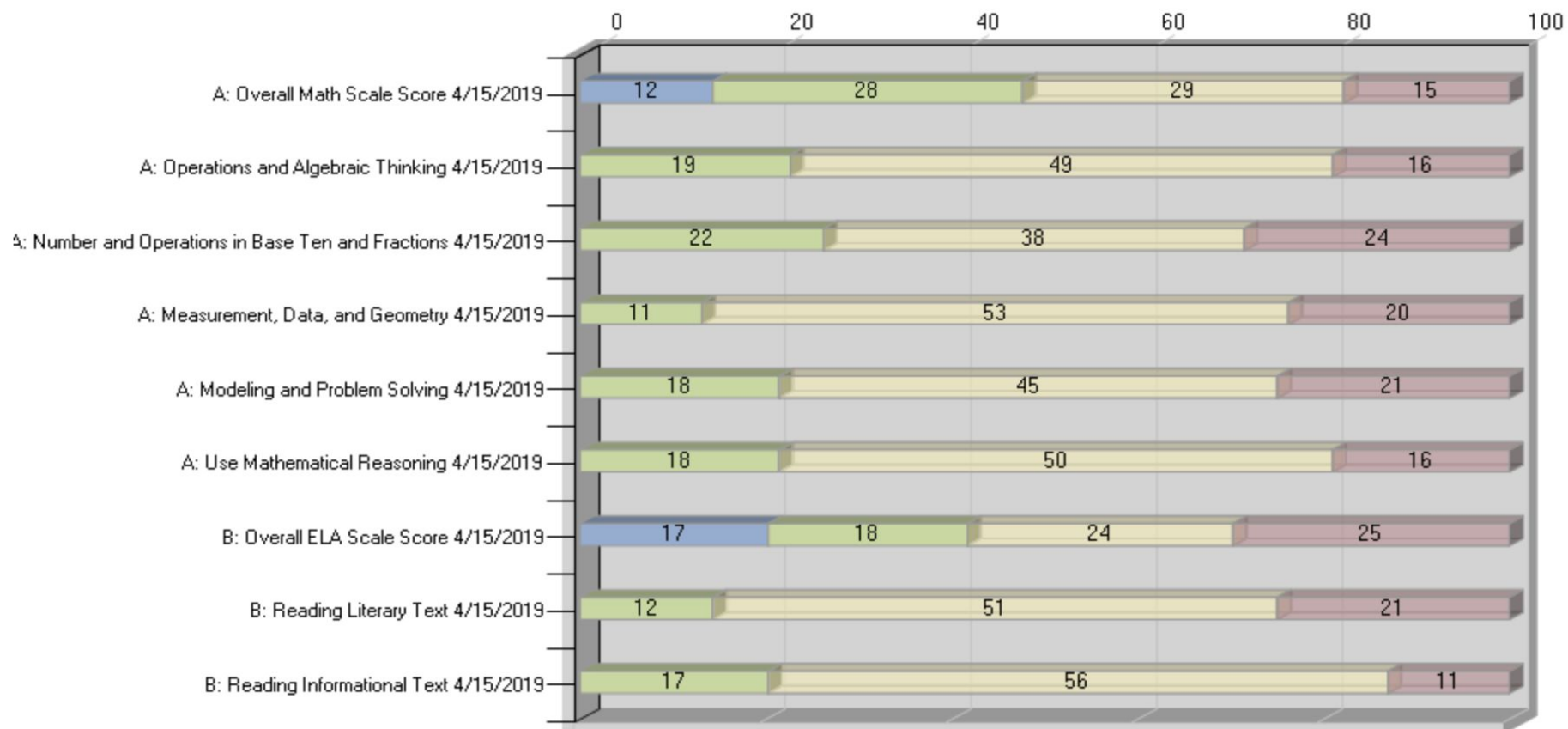
Students At Each Level



A: NH SAS ~ Math ~ Grade 3 (4/15/2019)

B: NH SAS ~ ELA ~ Grade 3 (4/15/2019)

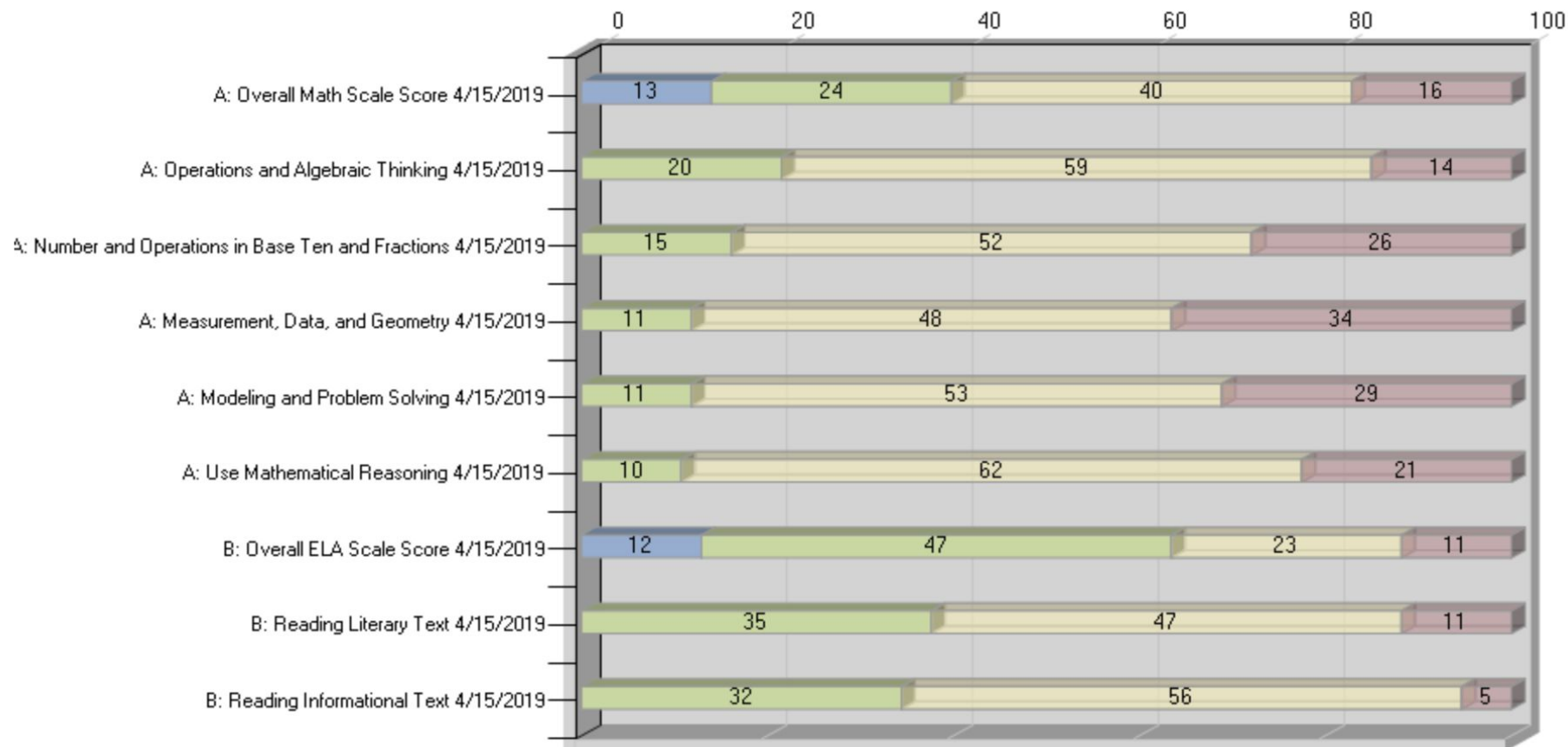
Students At Each Level



A: NH SAS ~ Math ~ Grade 4 (4/15/2019)

B: NH SAS ~ ELA ~ Grade 4 (4/15/2019)

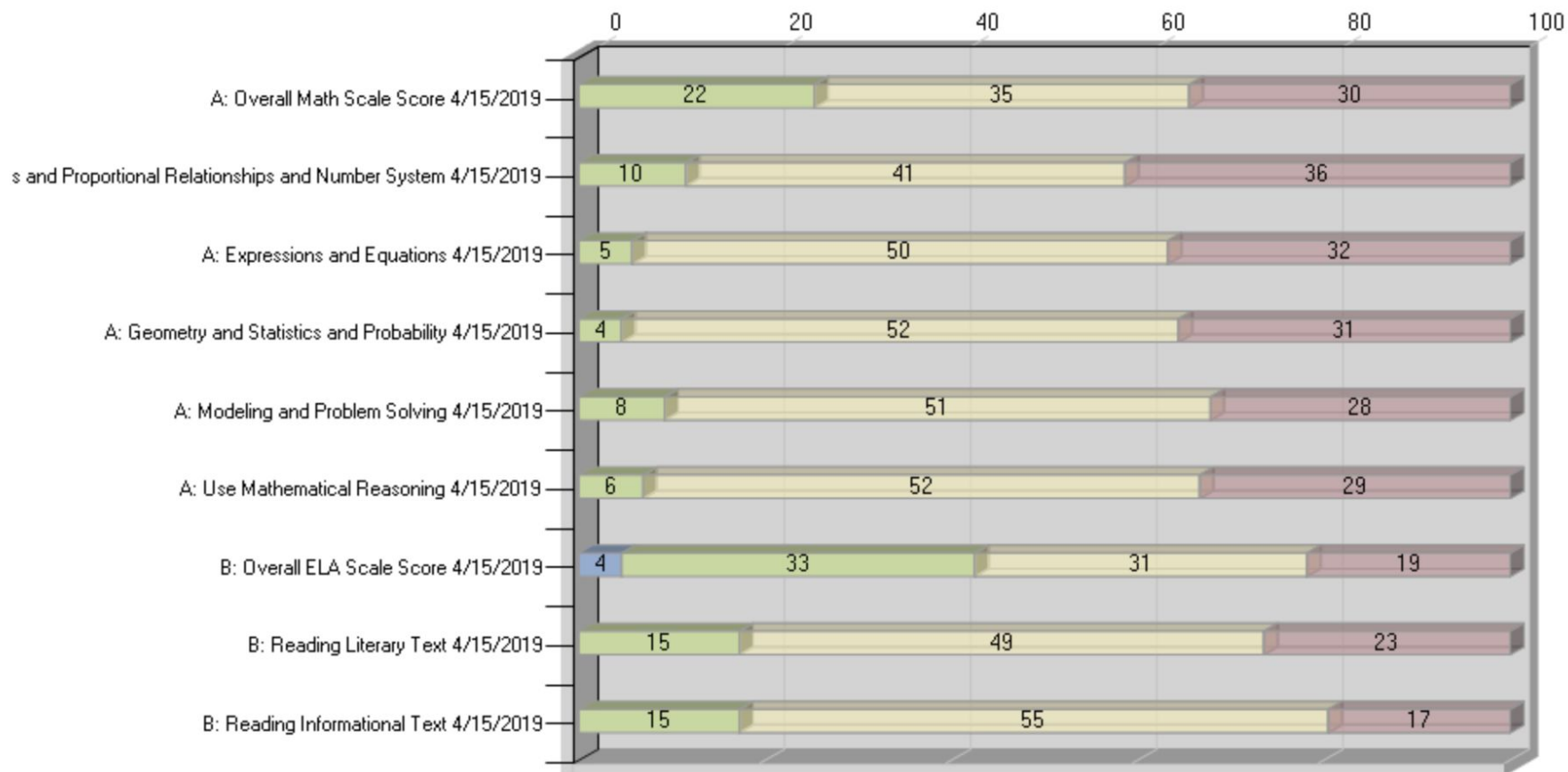
Students At Each Level



A: NH SAS ~ Math ~ Grade 5 (4/15/2019)

B: NH SAS ~ ELA ~ Grade 5 (4/15/2019)

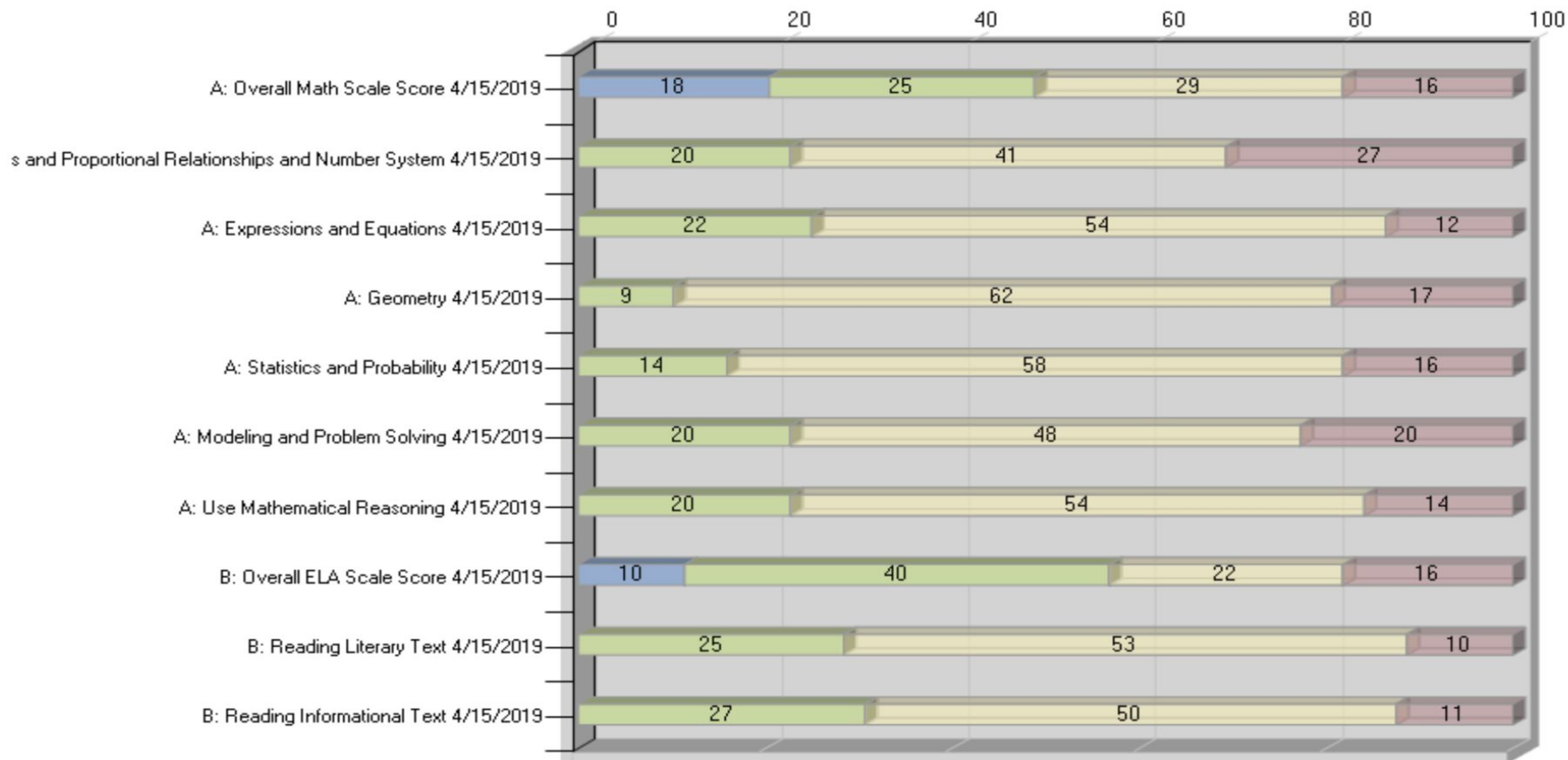
Students At Each Level



A: NH SAS ~ Math ~ Grade 6 (4/15/2019)

B: NH SAS ~ ELA ~ Grade 6 (4/15/2019)

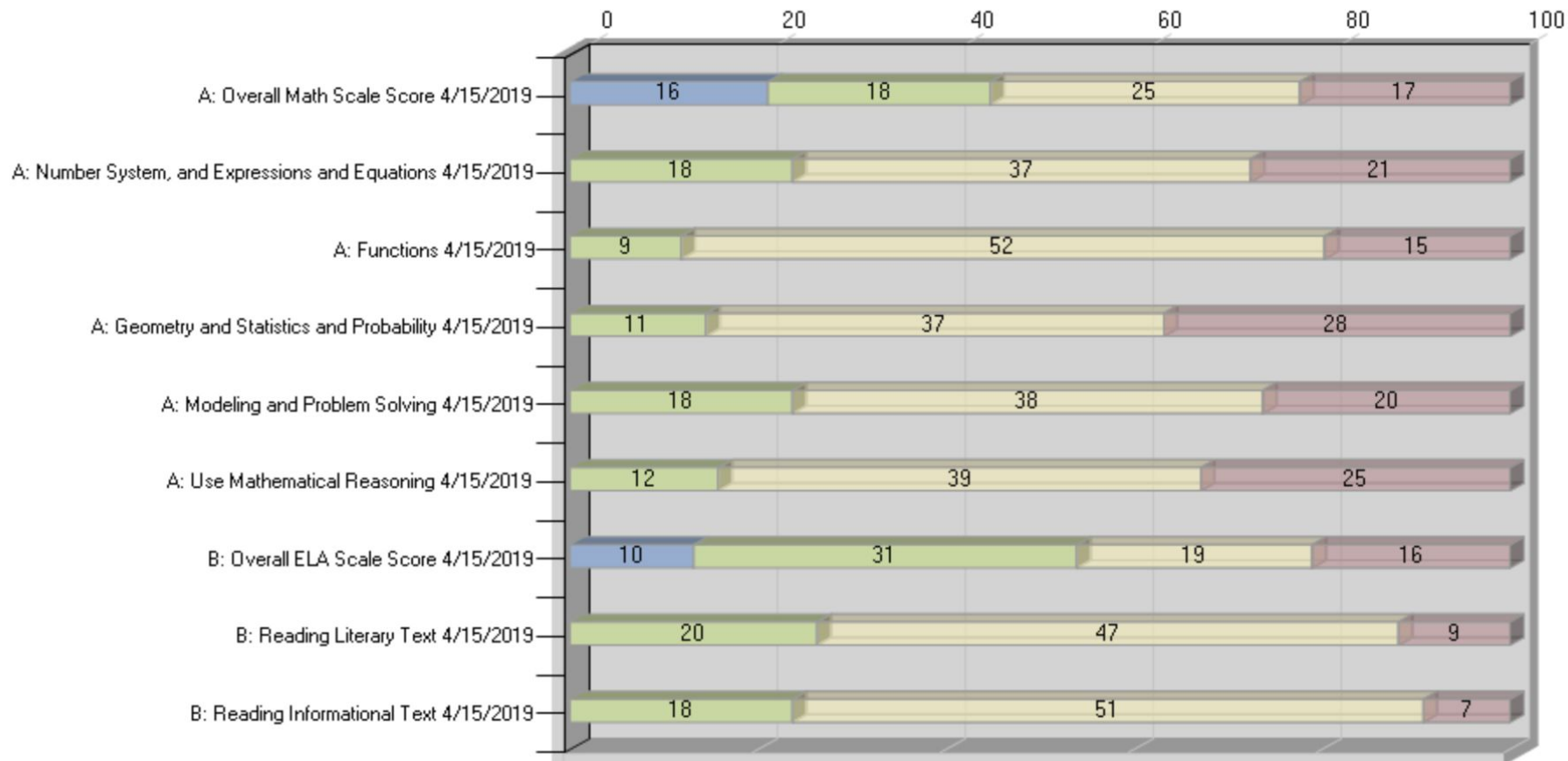
Students At Each Level



A: NH SAS ~ Math ~ Grade 7 (4/15/2019)

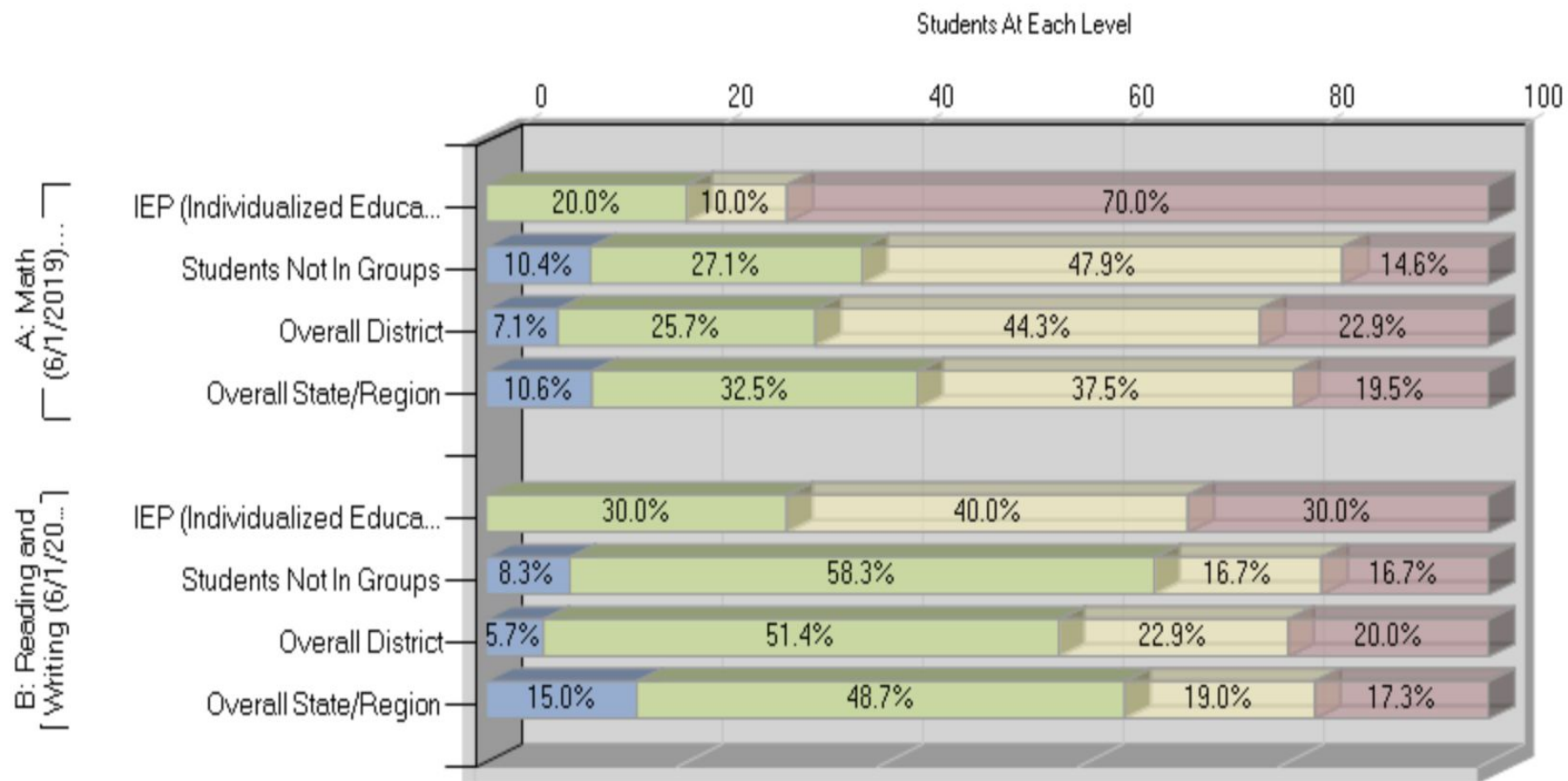
B: NH SAS ~ ELA ~ Grade 7 (4/15/2019)

Students At Each Level



A: NH SAS ~ Math ~ Grade 8 (4/15/2019)

B: NH SAS ~ ELA ~ Grade 8 (4/15/2019)



A: SAT - 2018-19 - Math - College Board Accountability Version (6/1/2019)

B: SAT - 2018-19 - Reading and Writing - College Board Accountability Version (6/1/2019)

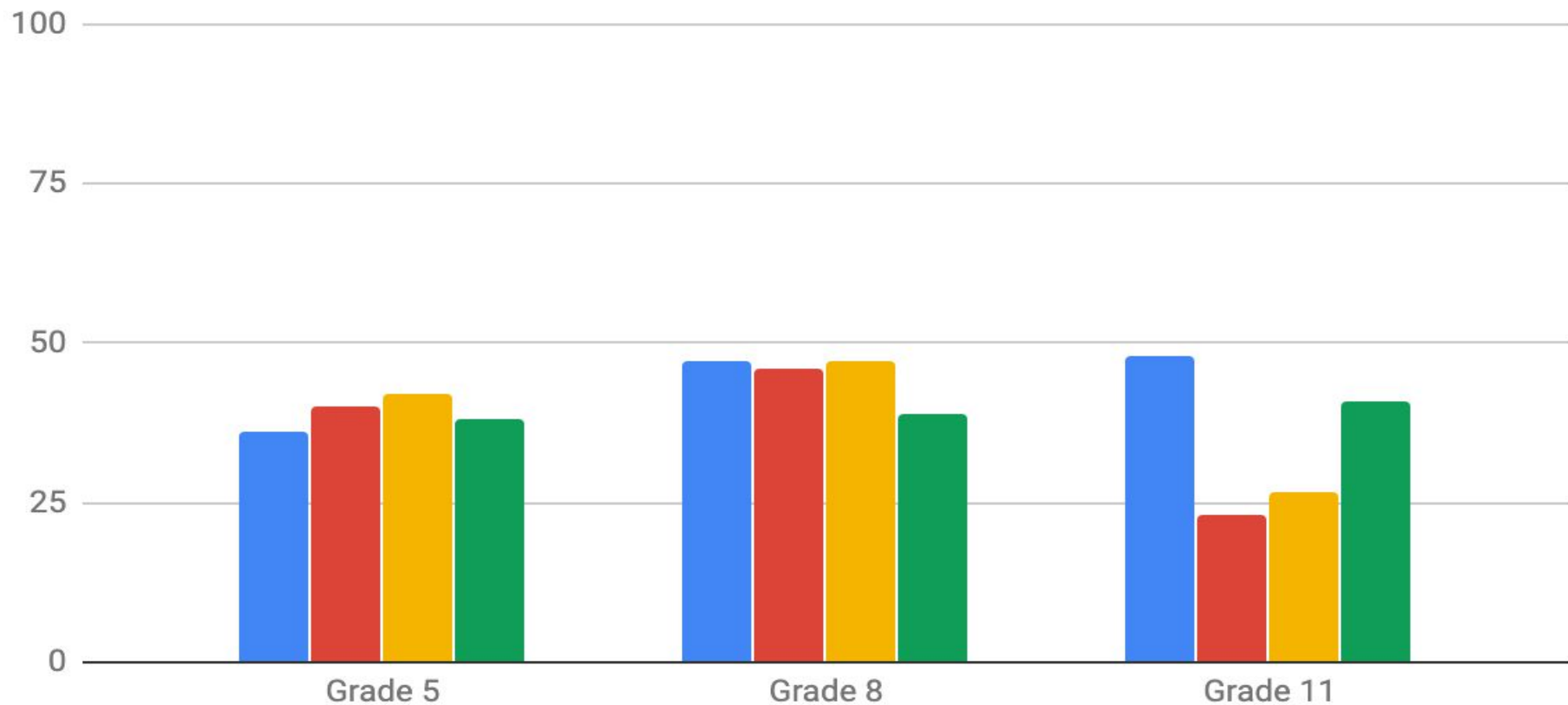
How Did Raymond Students Score in Science?



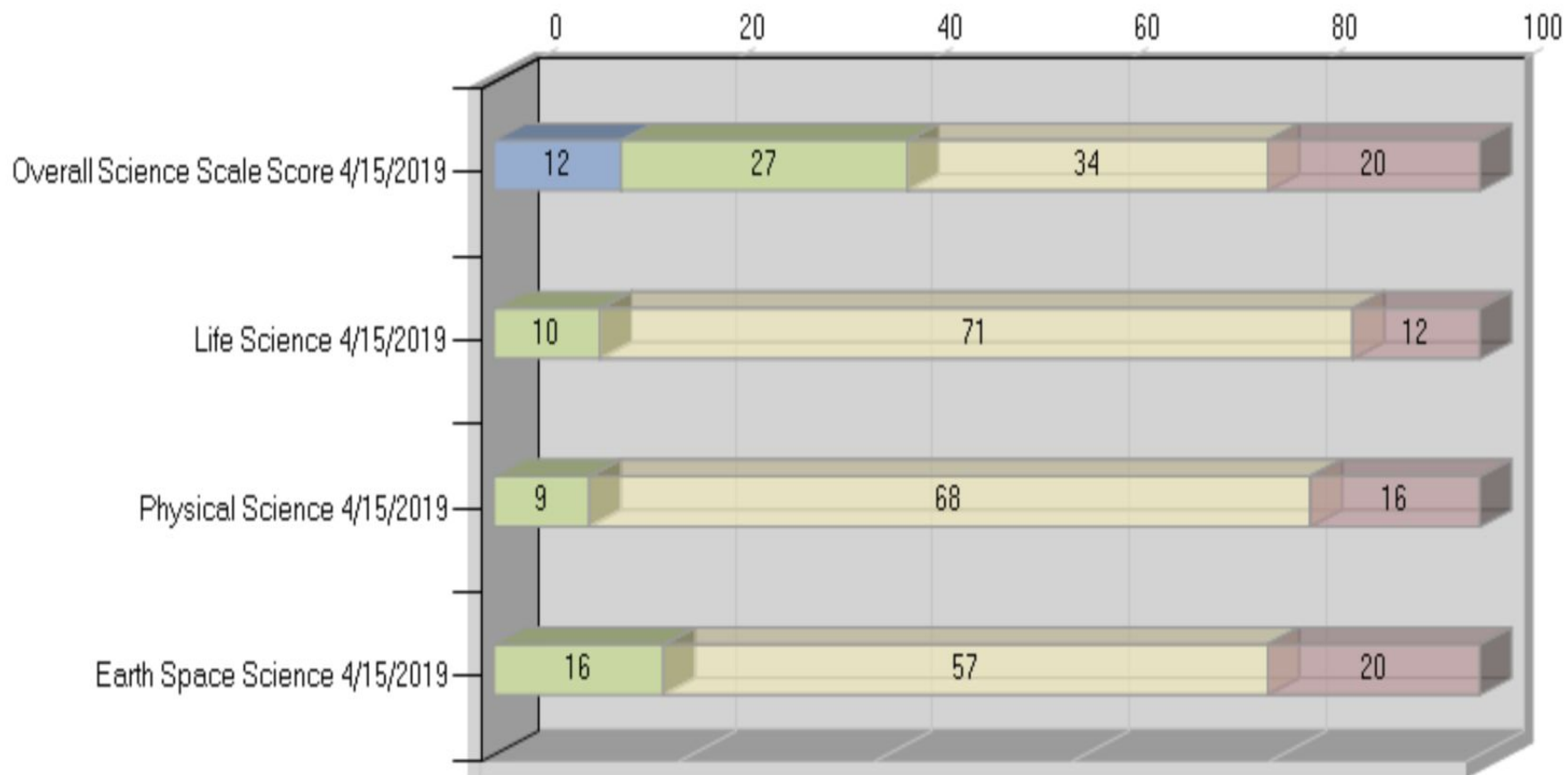
RAYMOND SCHOOL DISTRICT

Three Year Grade Level Science

2017-2018 2018-2019 2019-2020 2019-2020 State

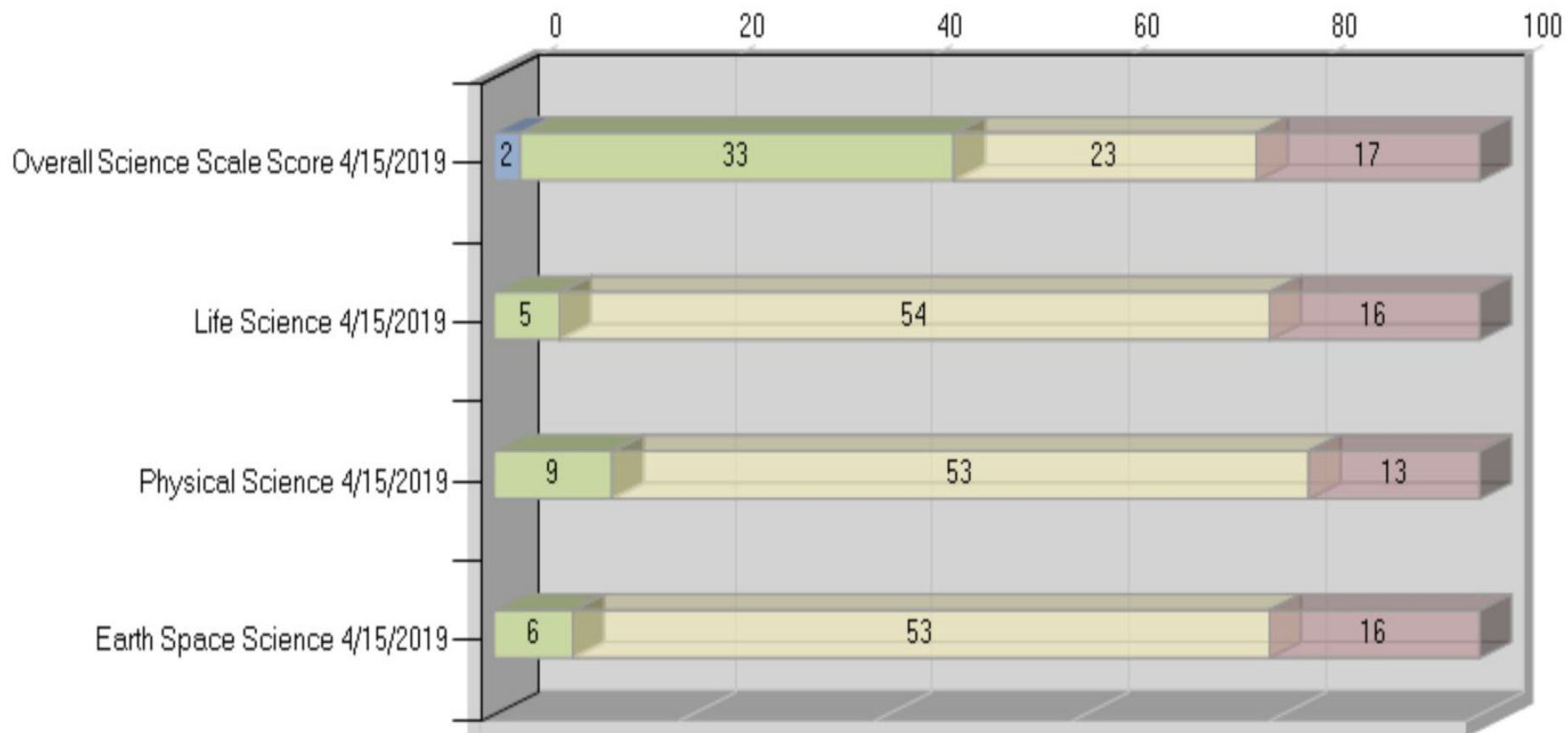


Students At Each Level



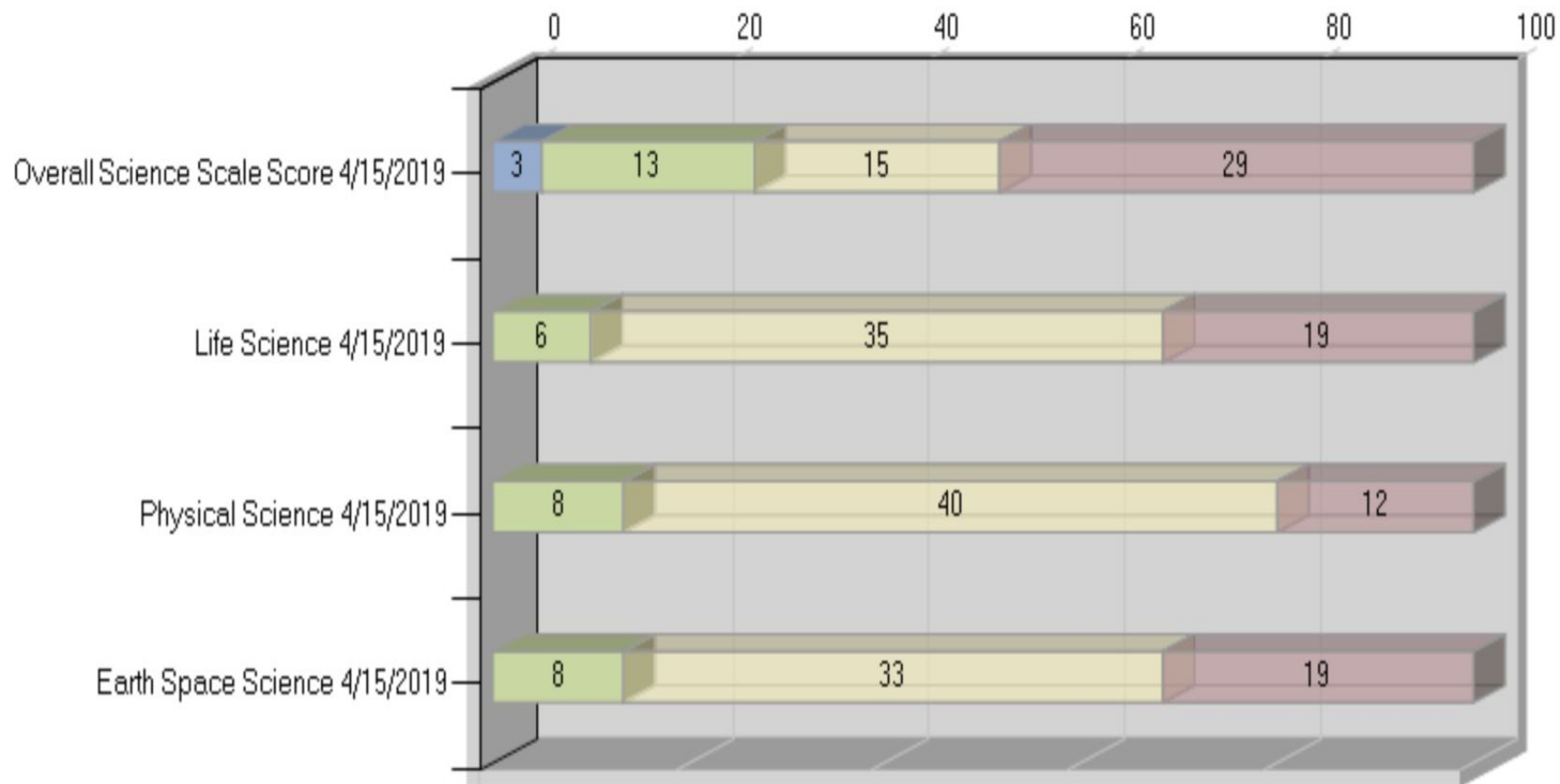
A: NH SAS ~ Science ~ Grade 5 (4/15/2019)

Students At Each Level



A: NH SAS ~ Science ~ Grade 8 (4/15/2019)

Students At Each Level



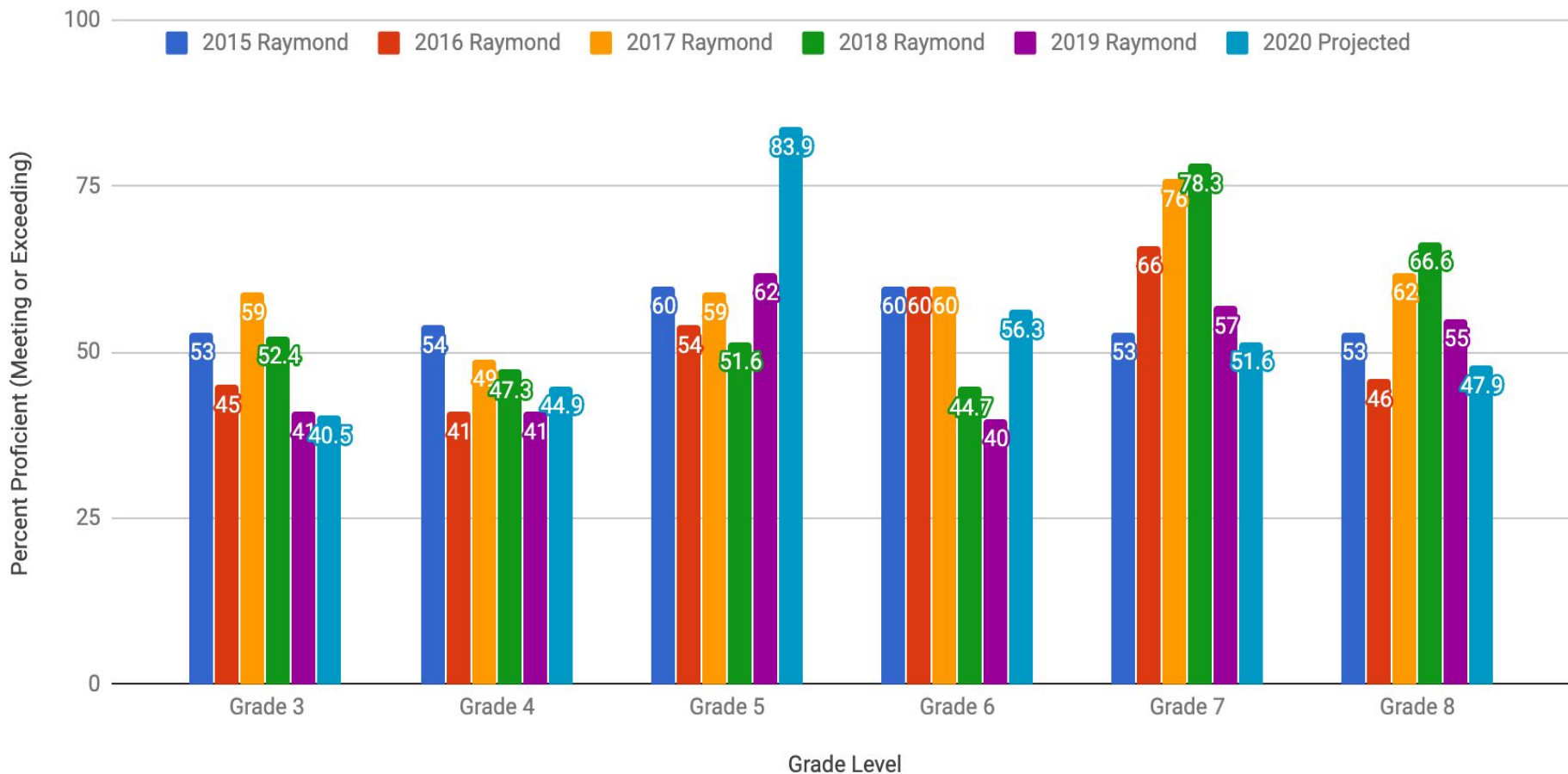
A: NH SAS ~ Science ~ Grade 11 (4/15/2019)

Future Outlook Based on STAR 360

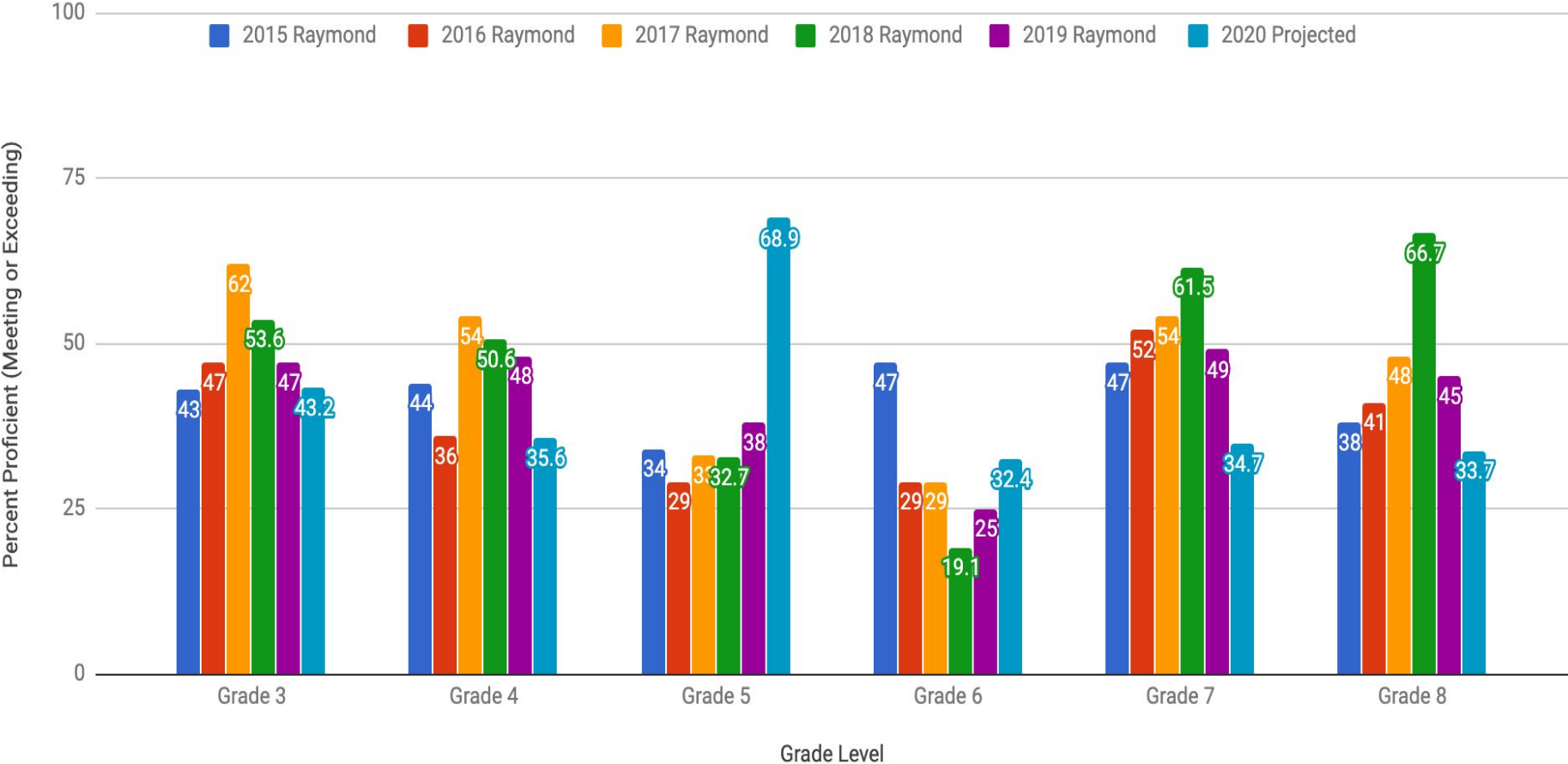


RAYMOND SCHOOL DISTRICT

Outlook on 2020 SAS - ELA



Outlook on 2020 SAS - Math



Questions and Additional Conversation