

PERFORMANCE MEASURES - VII

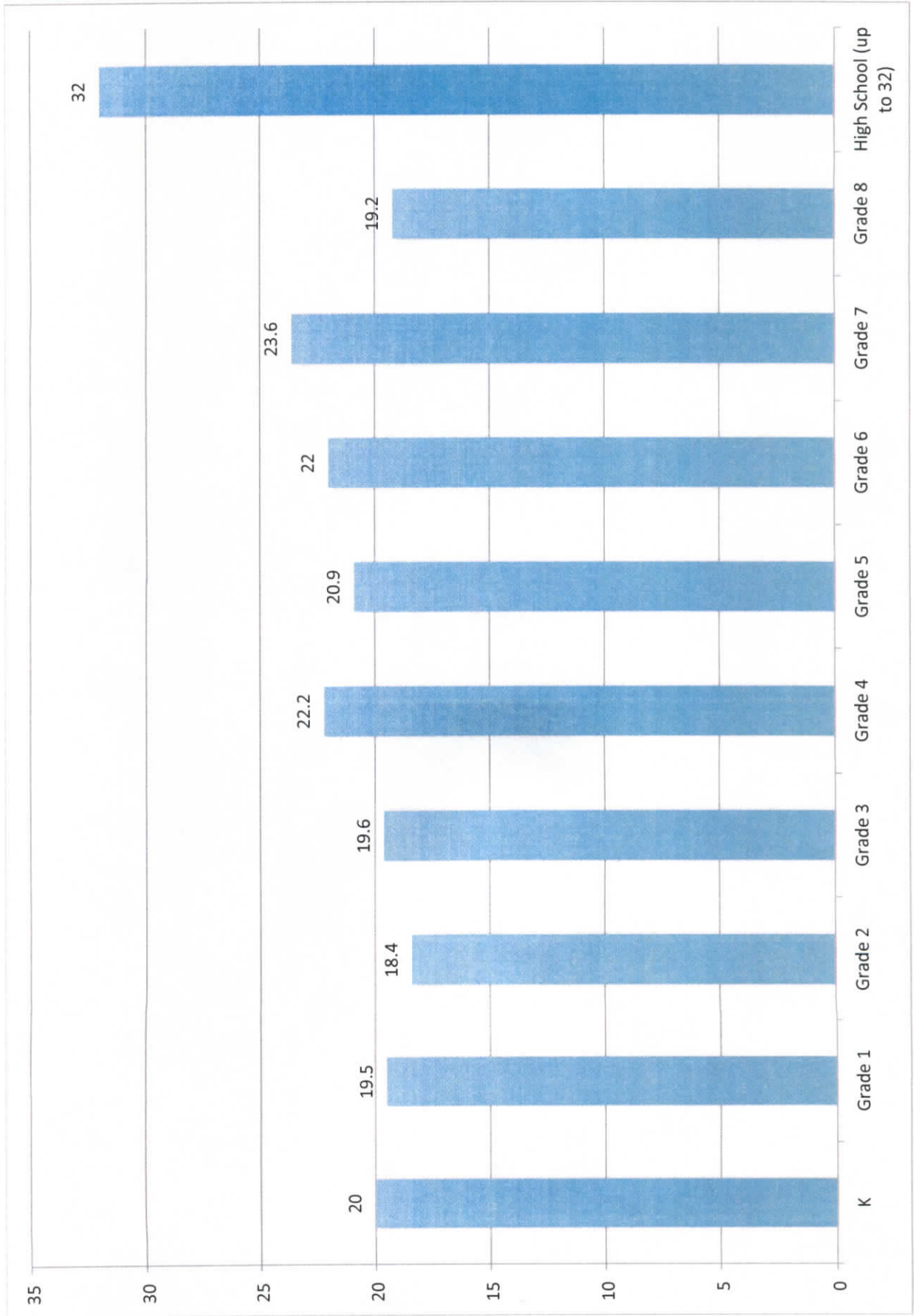
Average Class Size 2013-2014

Page 1

MCAS Data Report 2013

Pages 2-54

Average Class Size



VH-7



Millis Public Schools

MCAS DATA REPORT 2013

Report to School Committee
October 8, 2013



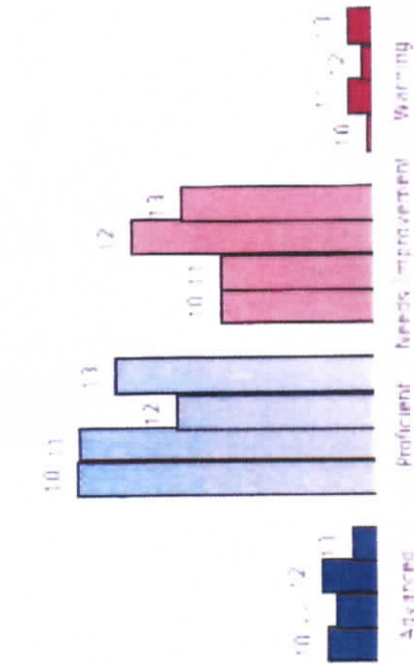
MASSACHUSETTS
COMPREHENSIVE
ASSESSMENT
SYSTEM

How Results are Reported

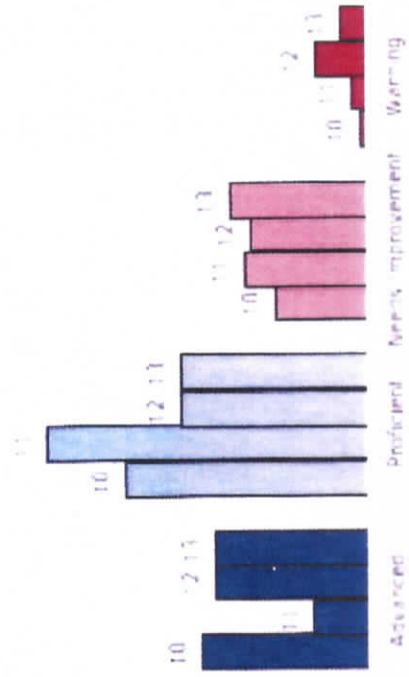
Performance Level	Description
Advanced/ Above Proficient 260-280	Students at this level demonstrate a comprehensive and in-depth understanding of rigorous subject matter and provide sophisticated solutions to complex problems.
Proficient 240-258	Students at this level demonstrate a solid understanding of challenging subject matter and solve a wide variety of problems.
Needs Improve- ment 220-238	Students at this level demonstrate a partial understanding of subject matter and solve some simple problems.
Warning/ Failing 200-218	Students at this level demonstrate a minimal understanding of subject matter and do not solve simple problems.

Grade 3

GRADE 03 - ENGLISH LANGUAGE ARTS
Percentage of Students by Achievement Level

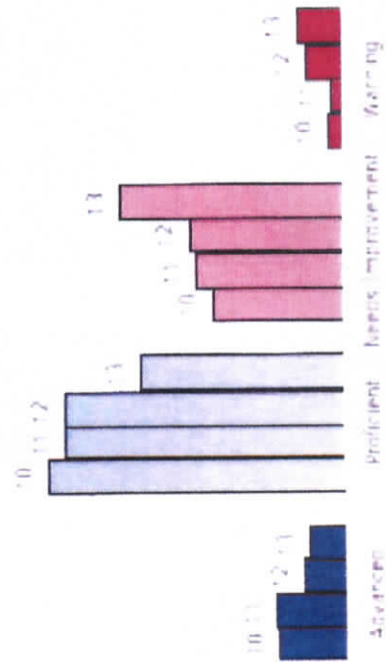


GRADE 03 - MATHEMATICS
Percentage of Students by Achievement Level

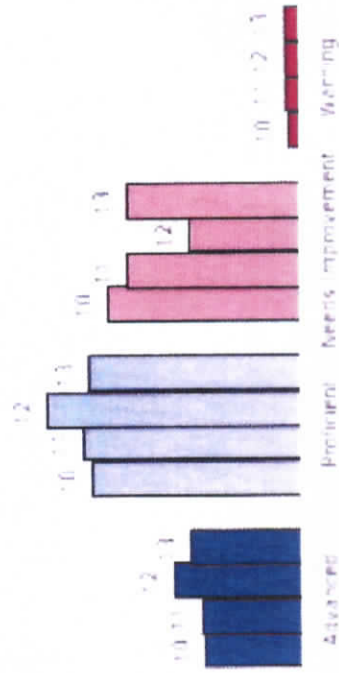


Grade 4

GRADE 04 - ENGLISH LANGUAGE ARTS
Percentage of Students by Achievement Level

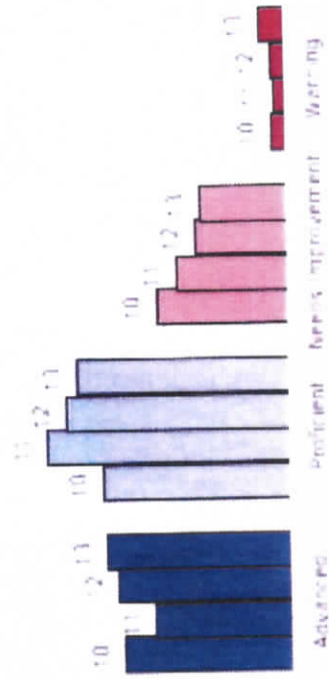


GRADE 04 - MATHEMATICS
Percentage of Students by Achievement Level

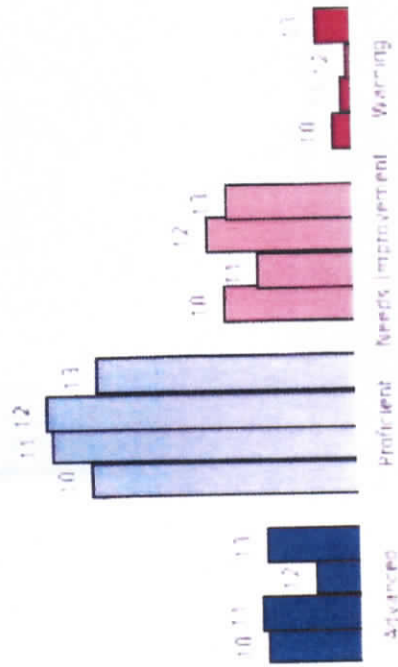


Grade 5

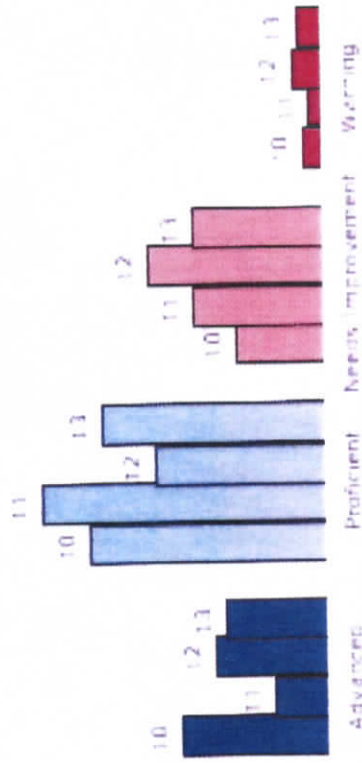
GRADE 05 - MATHEMATICS
 Percentage of Students by Achievement Level



GRADE 05 - ENGLISH LANGUAGE ARTS
 Percentage of Students by Achievement Level

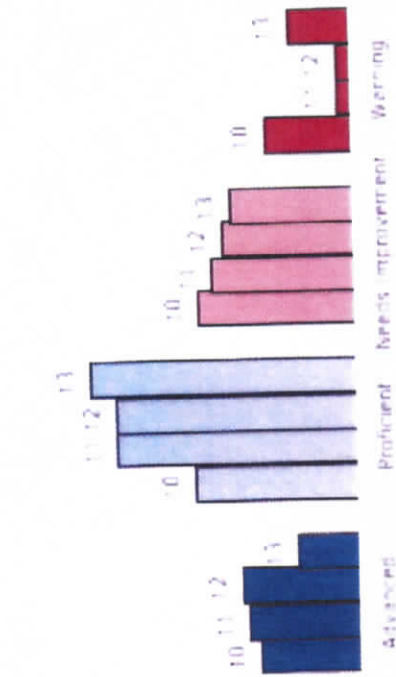


GRADE 05 - SCIENCE AND TECH/ENG
Percentage of Students by Achievement Level

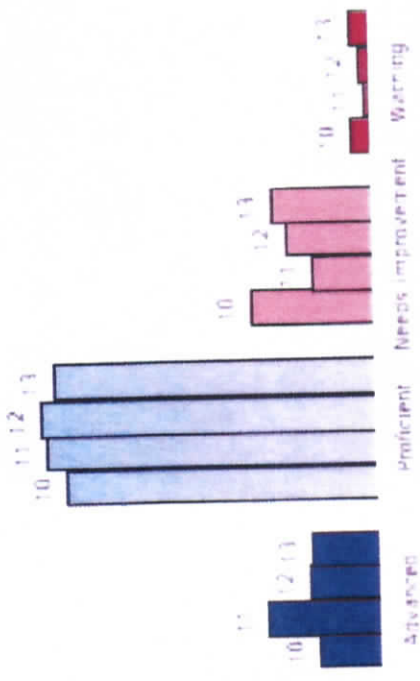


Grade 6

GRADE 06 - MATHEMATICS
Percentage of Students by Achievement Level

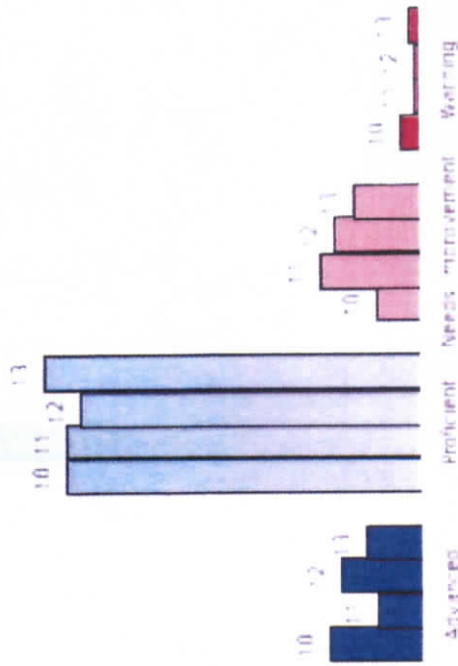


GRADE 06 - ENGLISH LANGUAGE ARTS
Percentage of Students by Achievement Level

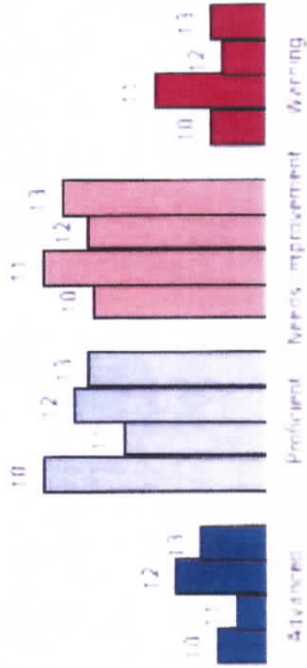


Grade 7

GRADE 07 - ENGLISH LANGUAGE ARTS
Percentage of Students by Achievement Level

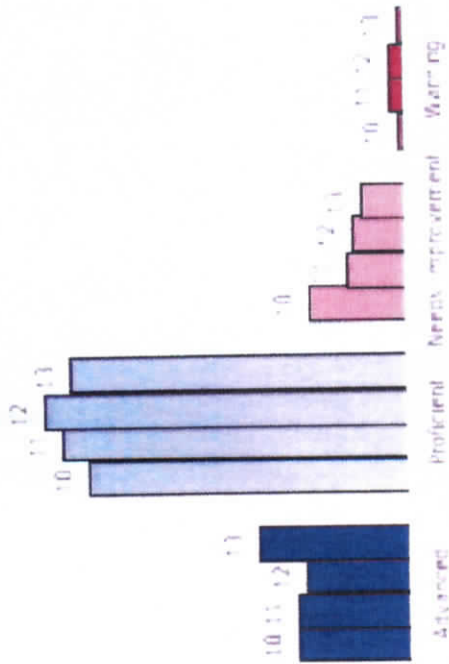


GRADE 07 - MATHEMATICS
Percentage of Students by Achievement Level

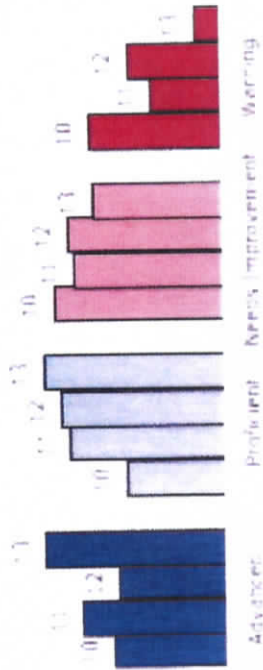


Grade 8

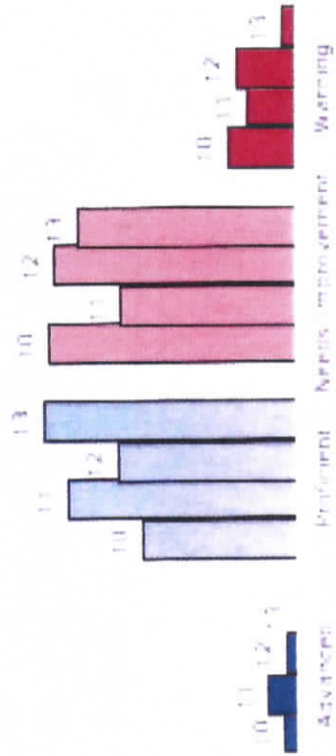
GRADE 08 - ENGLISH LANGUAGE ARTS
 Percentage of Students by Achievement Level



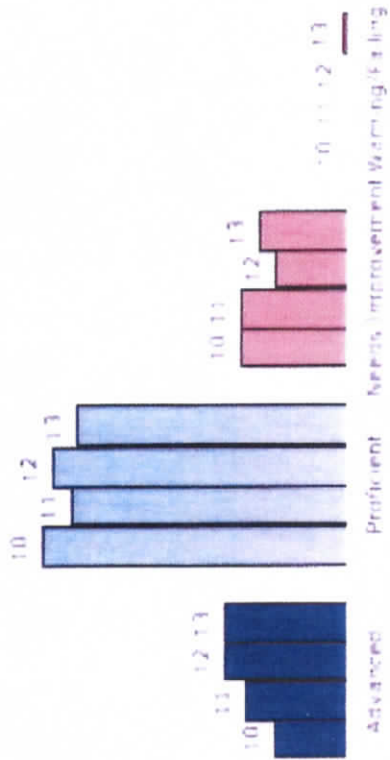
GRADE 08 - MATHEMATICS
 Percentage of Students by Achievement Level



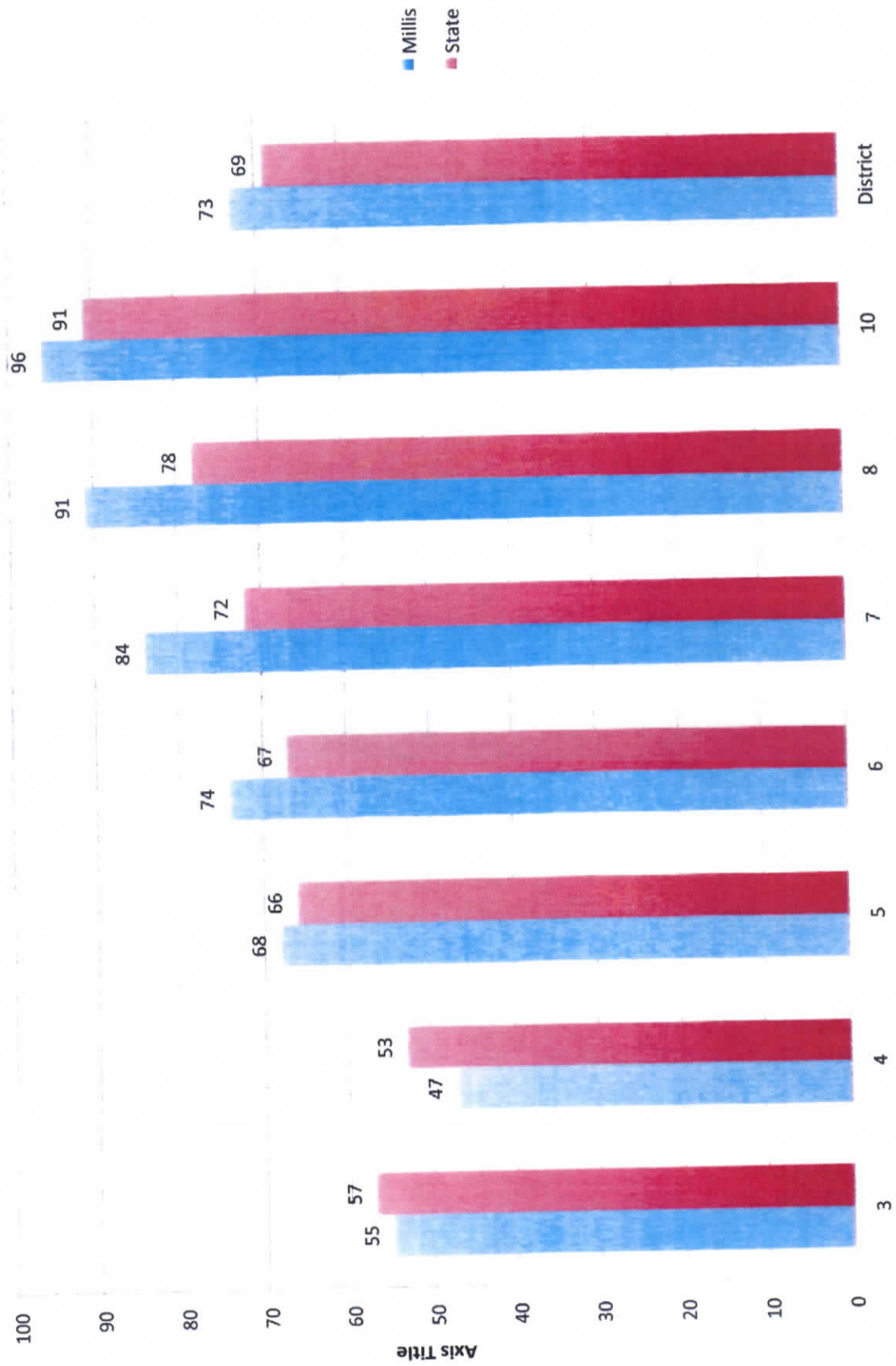
GRADE 08 - SCIENCE AND TECH/ENG
Percentage of Students by Achievement Level



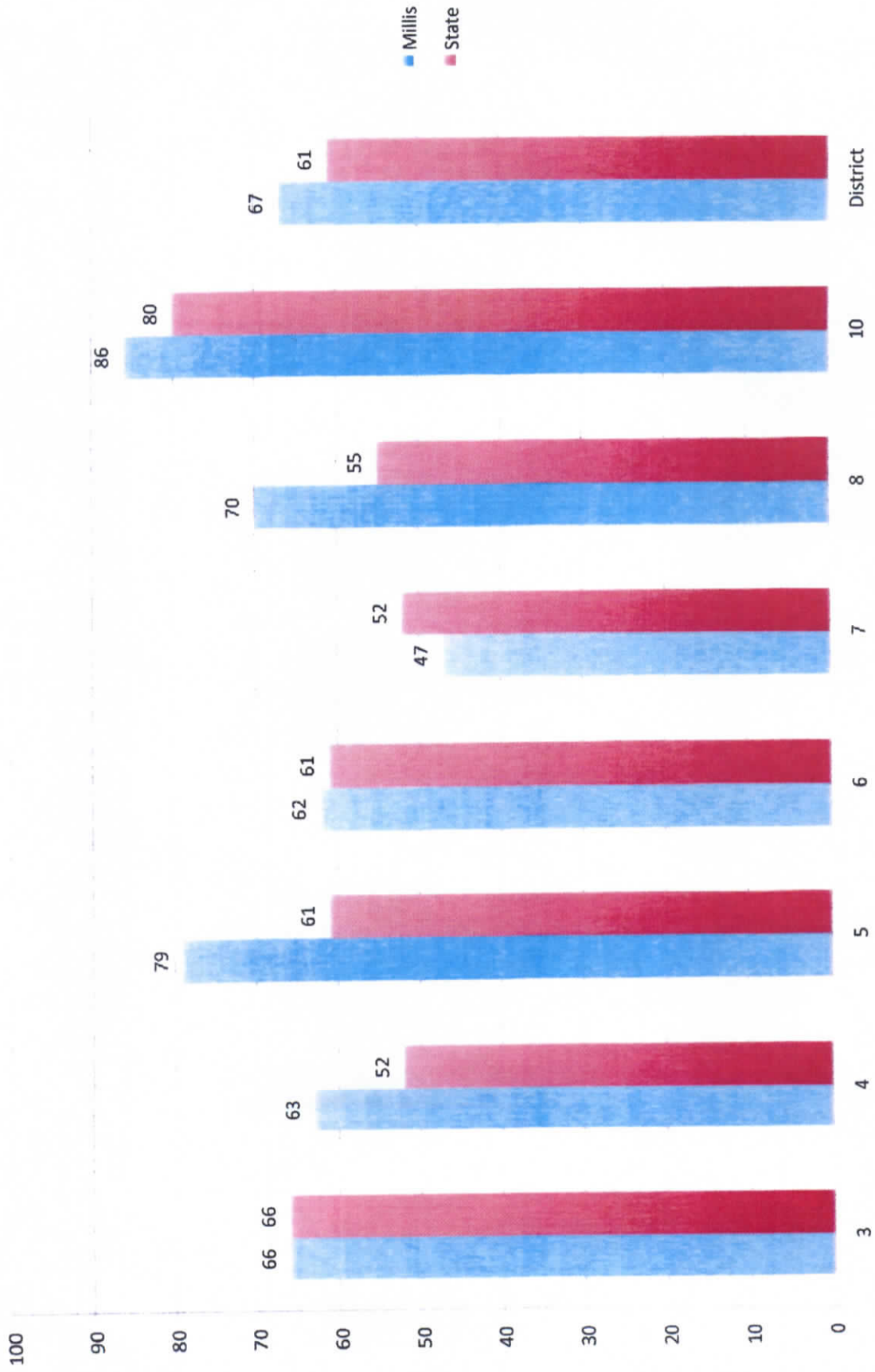
GRADE 10 - SCIENCE AND TECH/ENG
Percentage of Students by Achievement Level



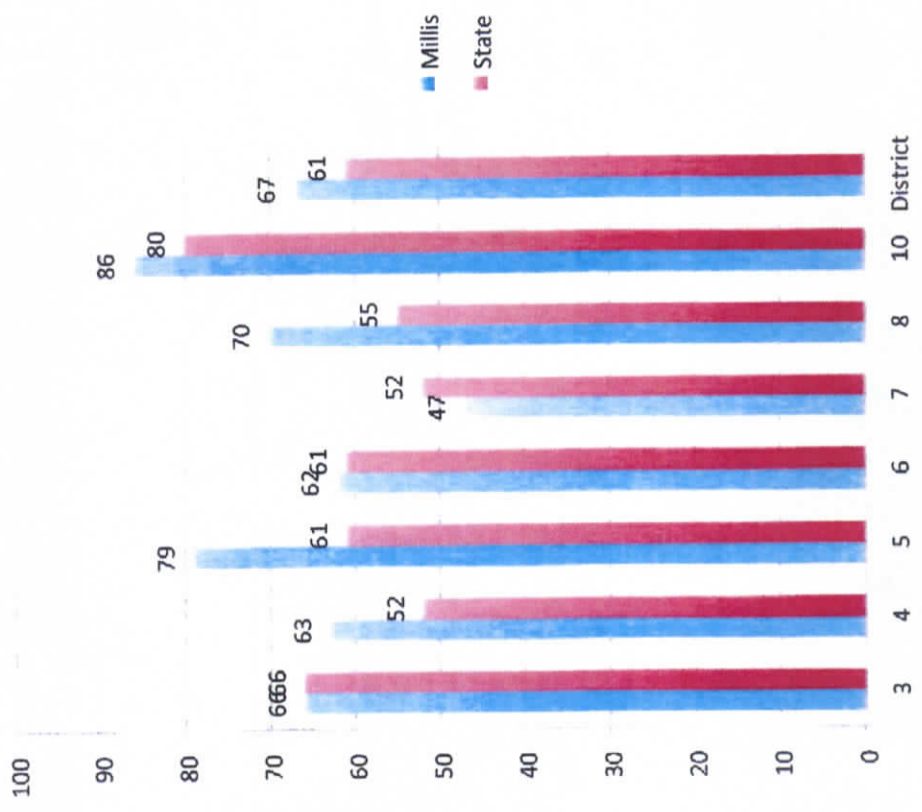
P+ ELA Millis vs State



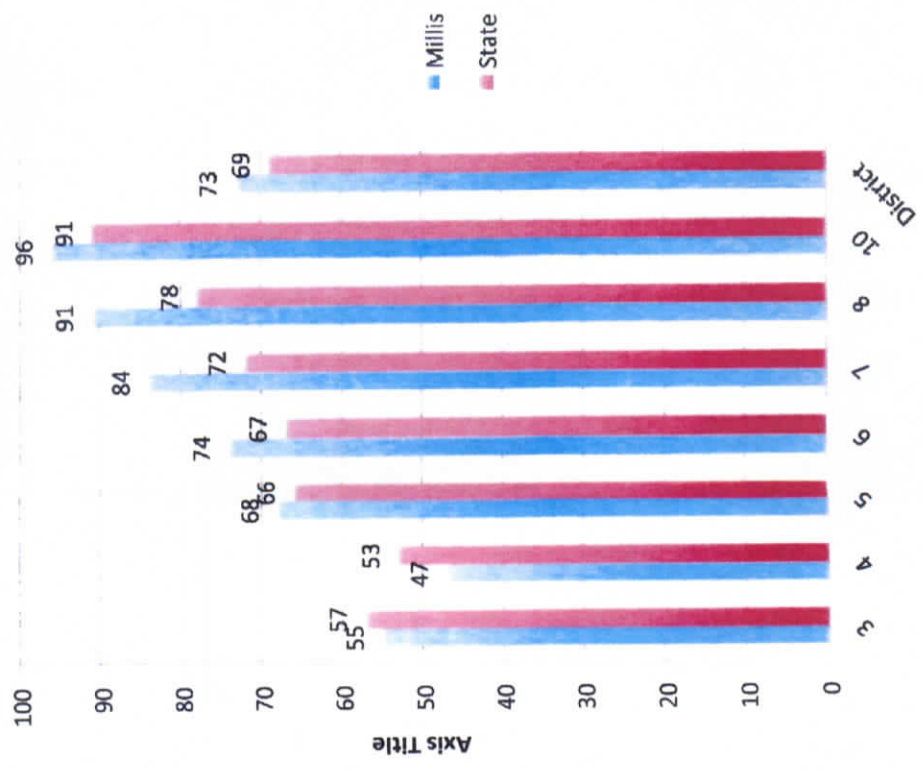
Math P+ Millis vs State



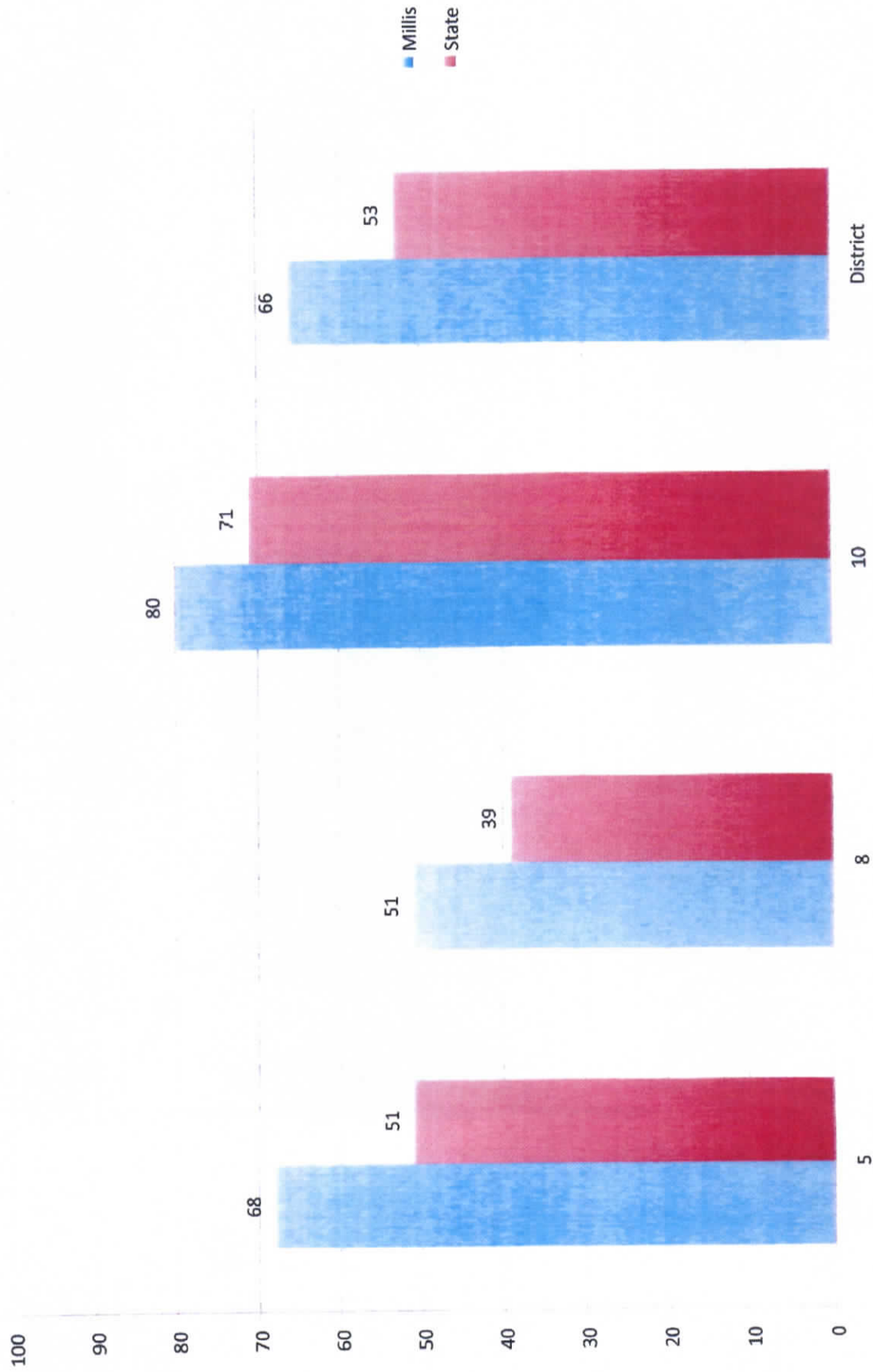
Math P+ Millis vs State



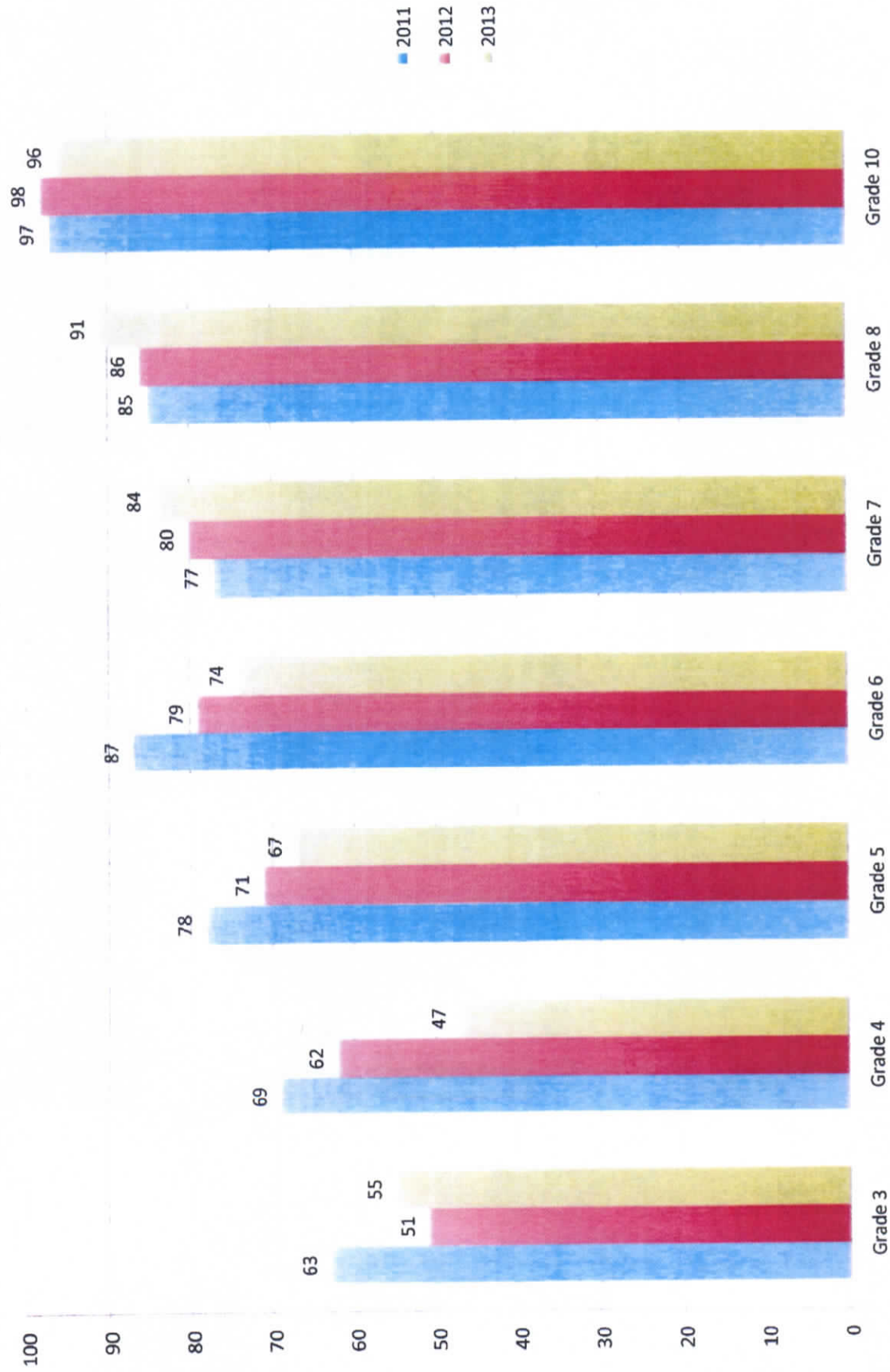
ELA P+ Millis vs State



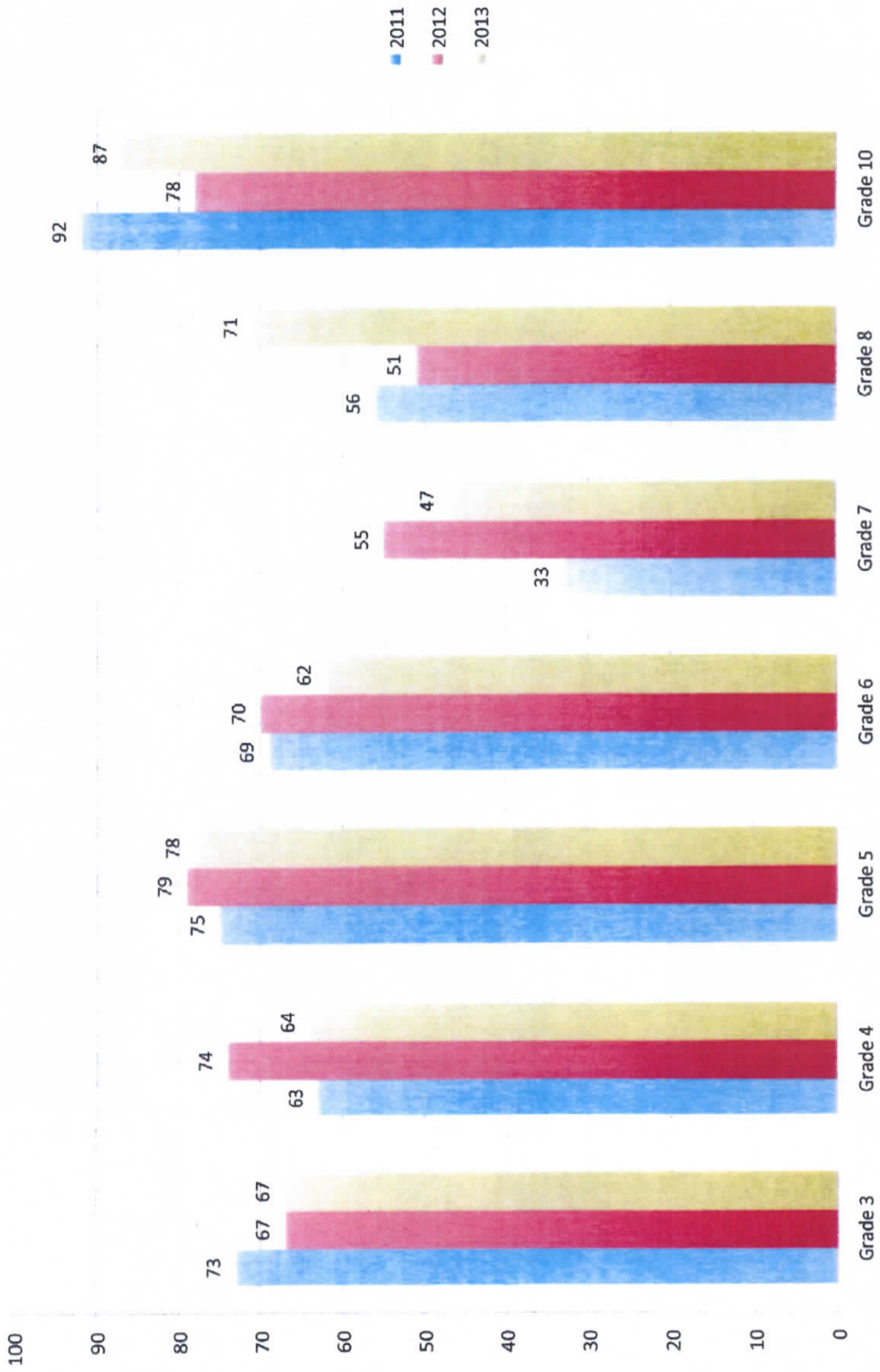
Science P+ Millis vs State



ELA P+3 year comparisons

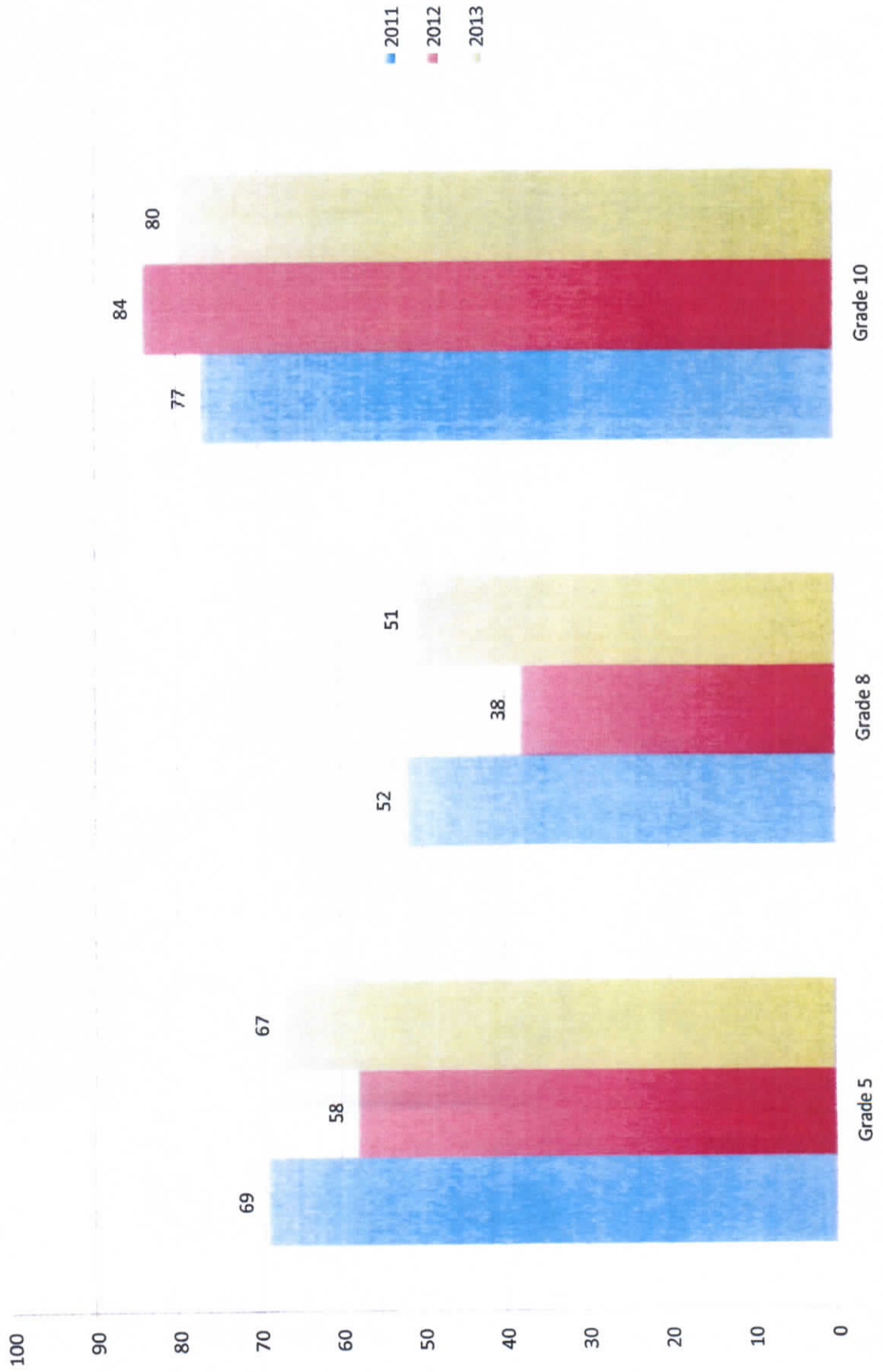


Math P+ 3 year comparisons

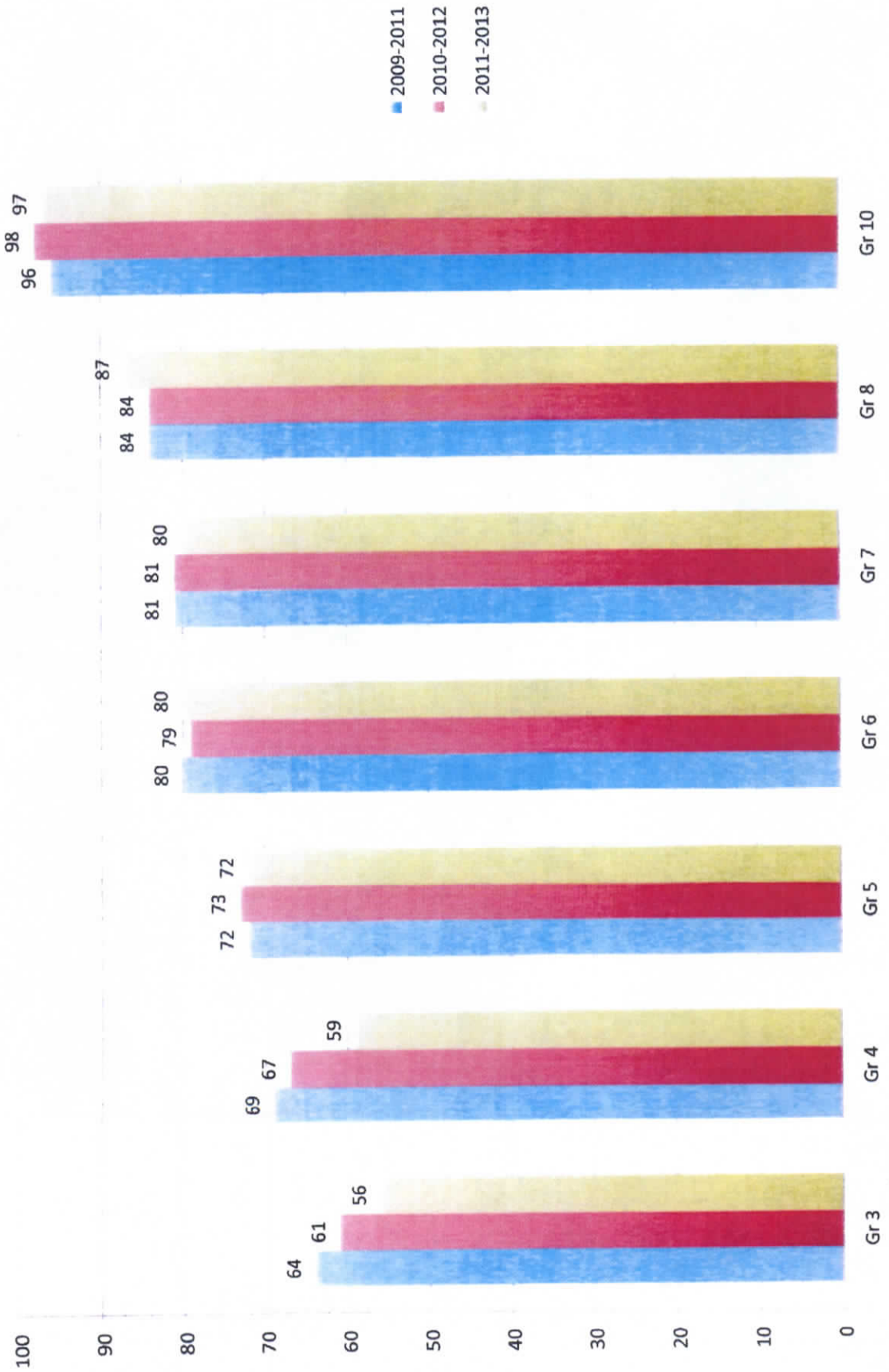


VII-19

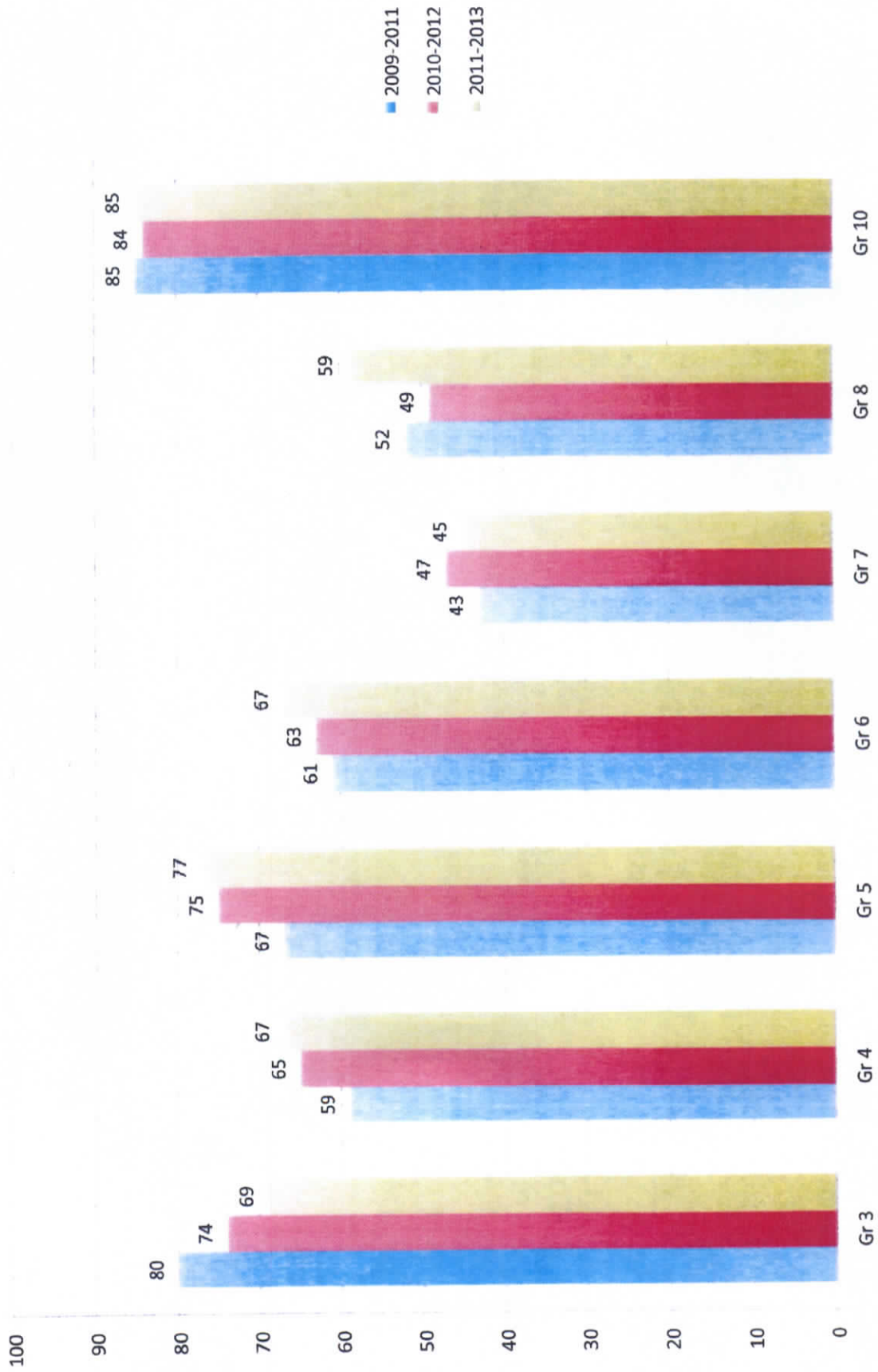
Science P+ 3 year comparisons



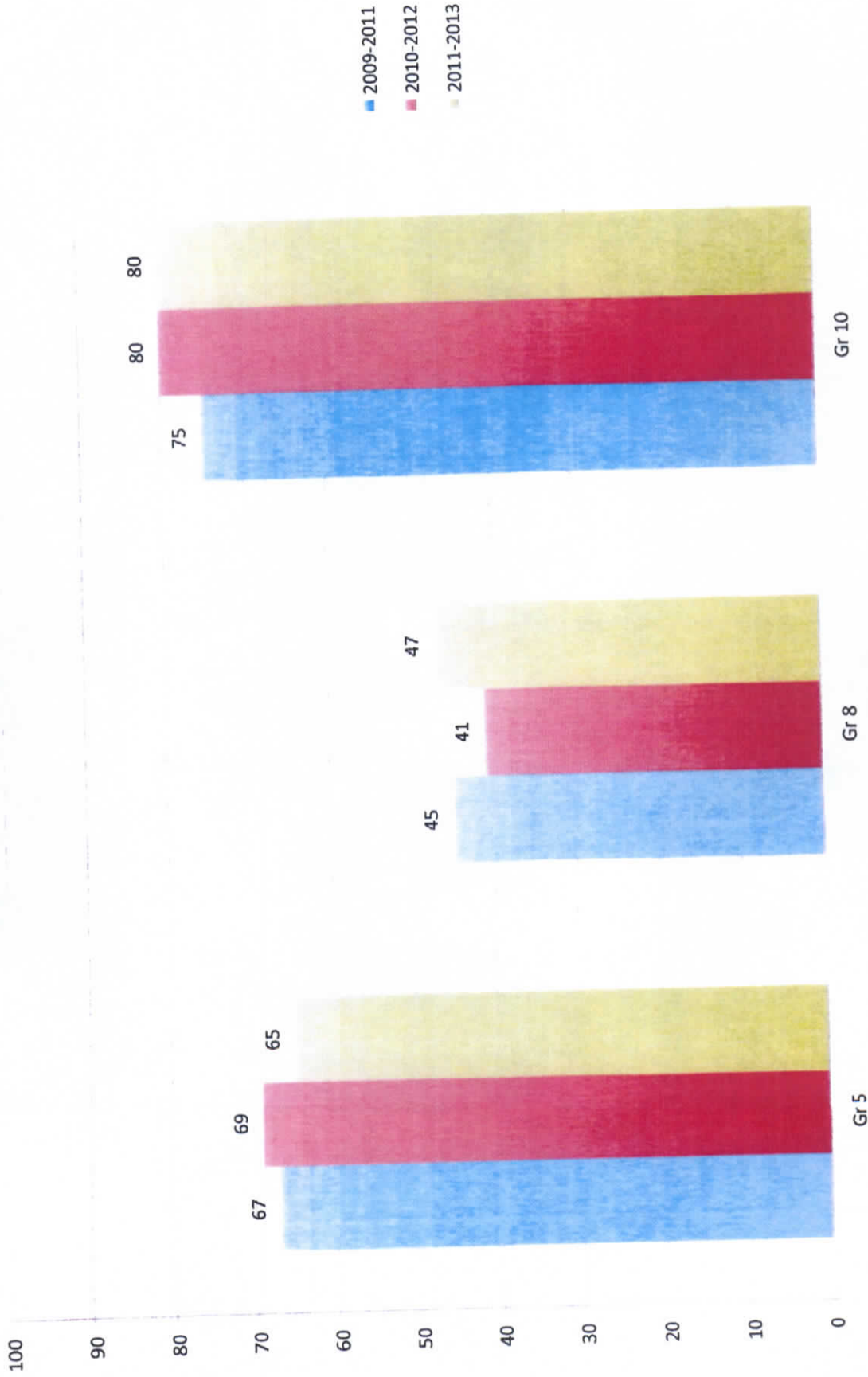
ELA P + 3 year rolling averages



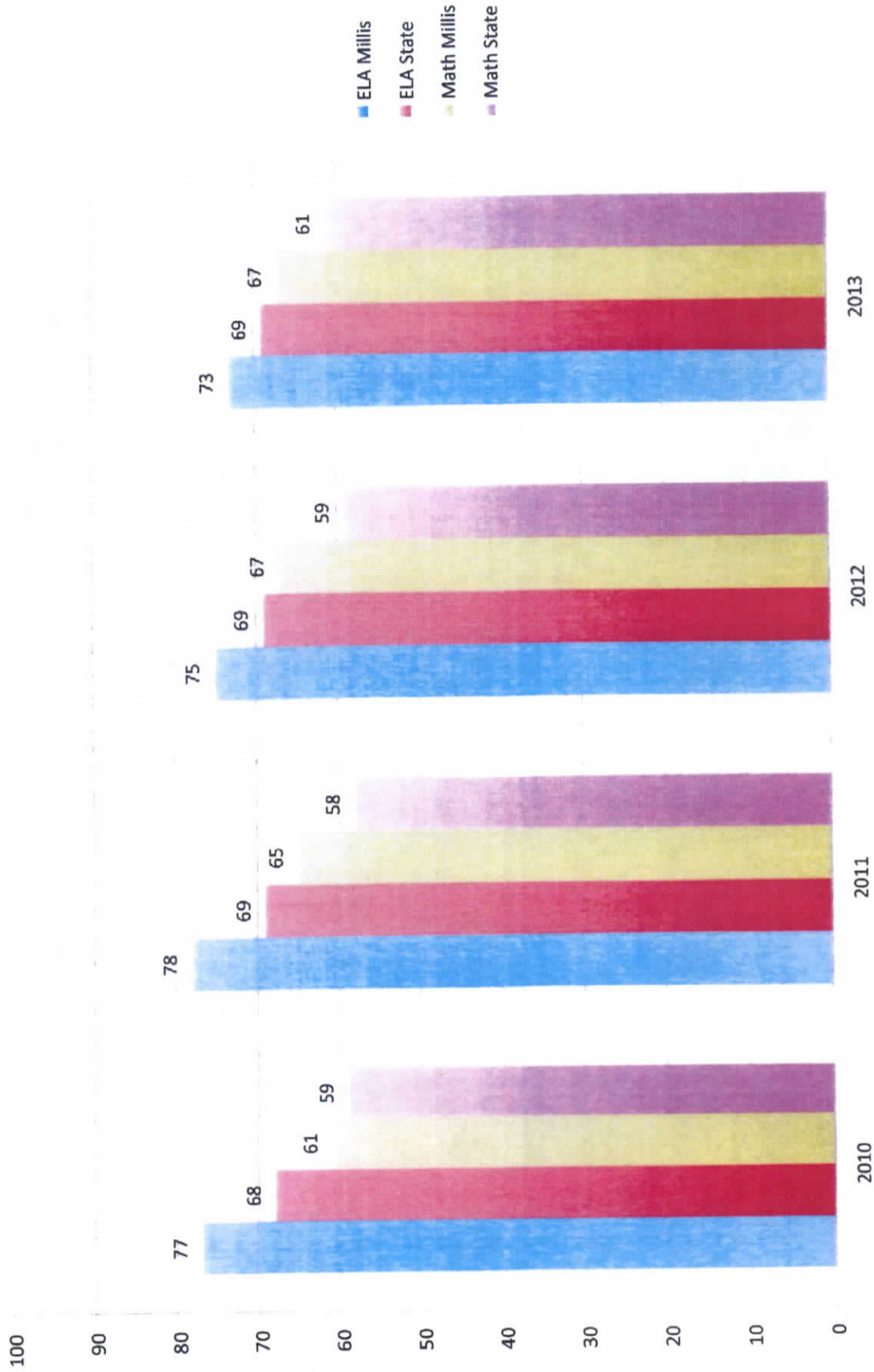
Math P+ 3 year rolling averages



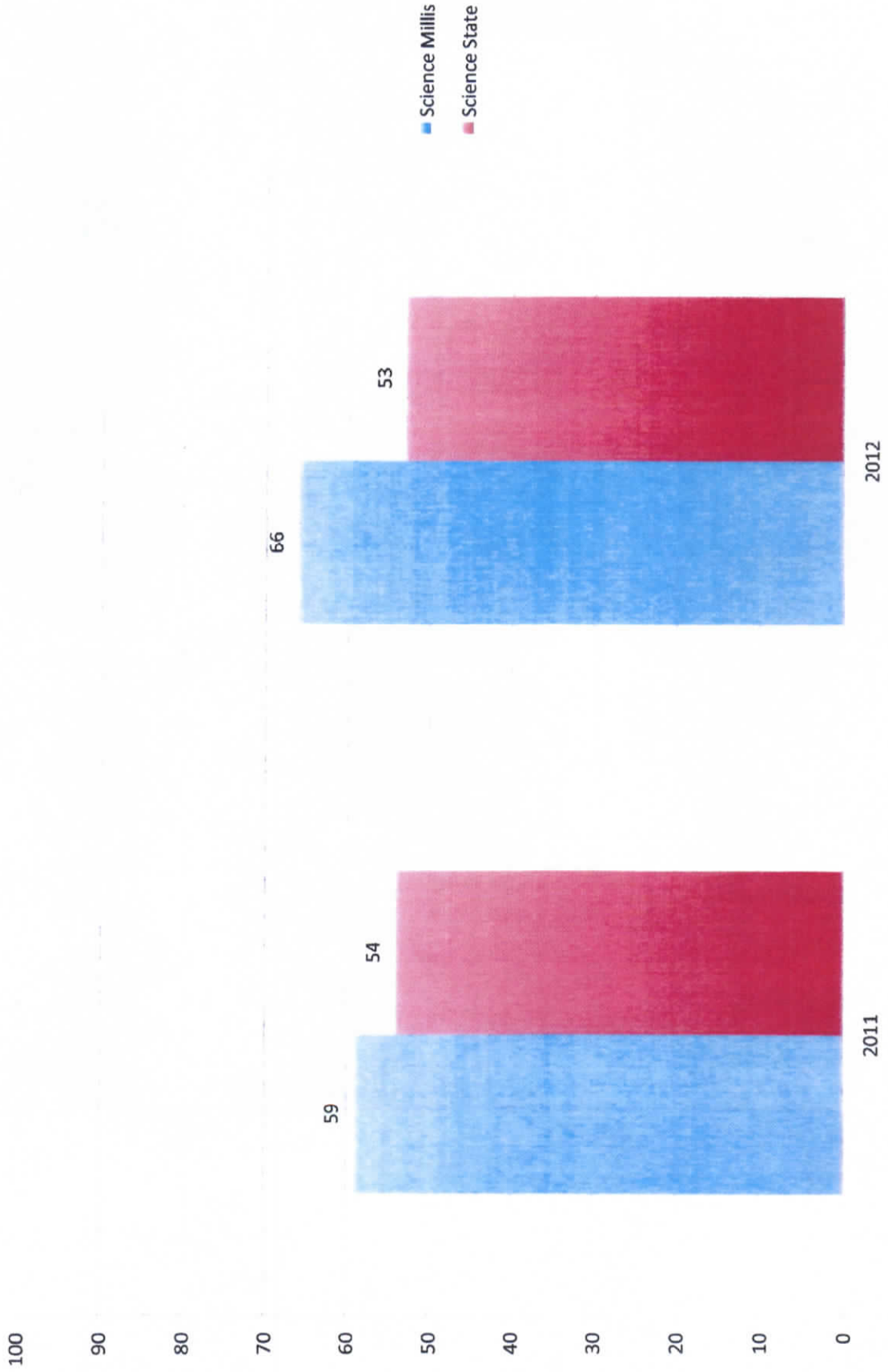
Science P+ 3 year rolling averages



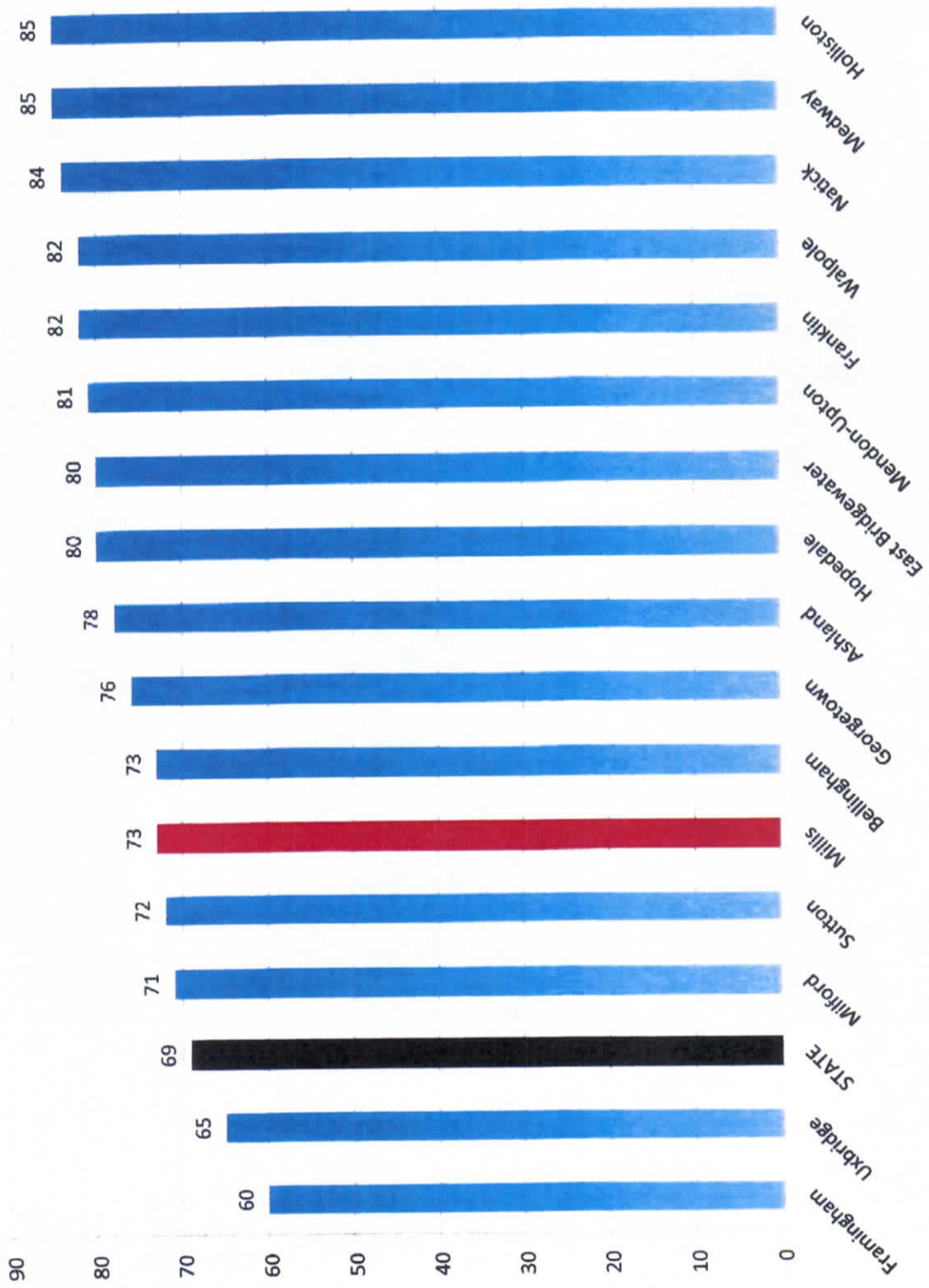
District P+ Changes over Time vs State



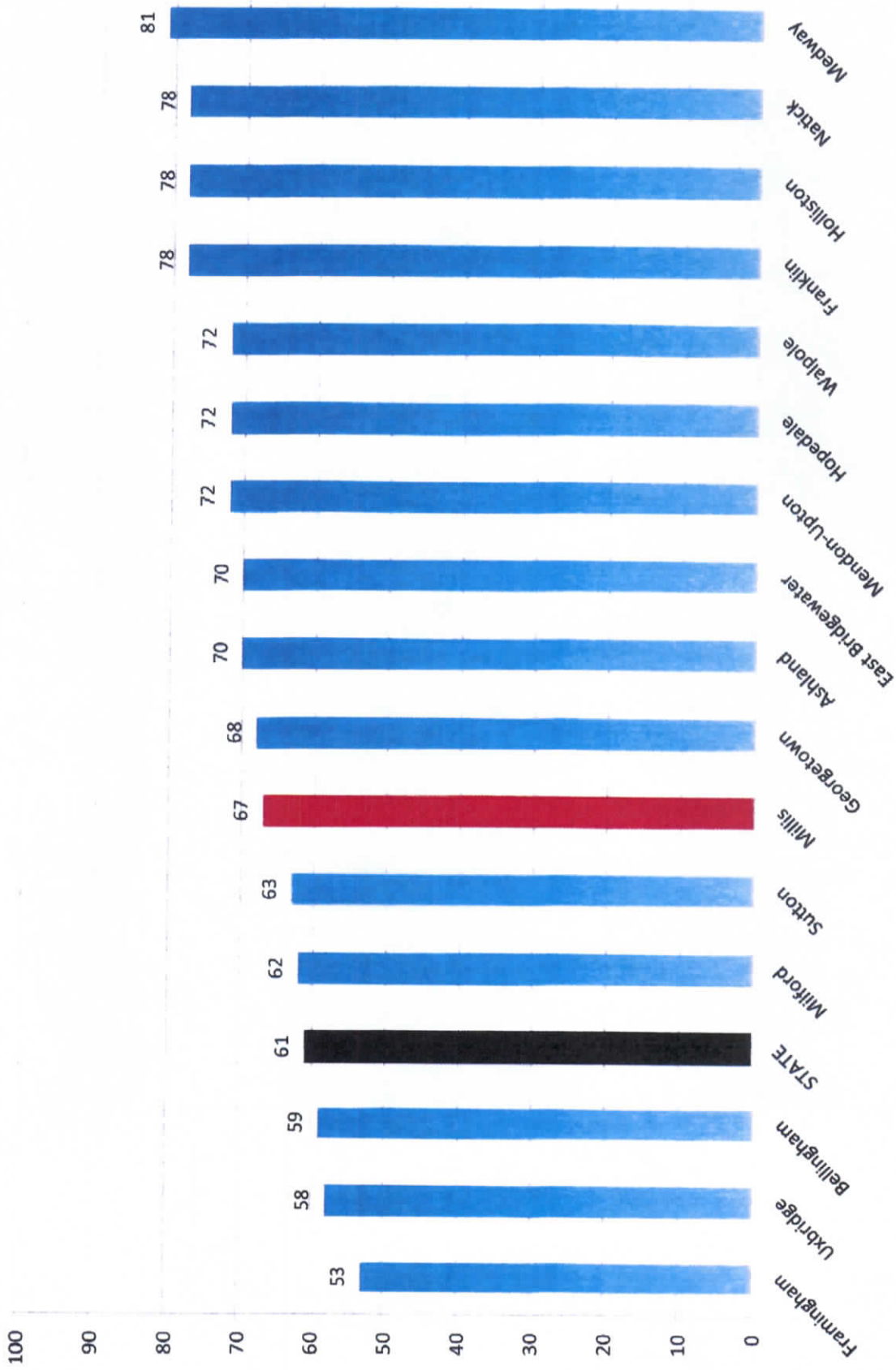
District P+ Changes over time vs state



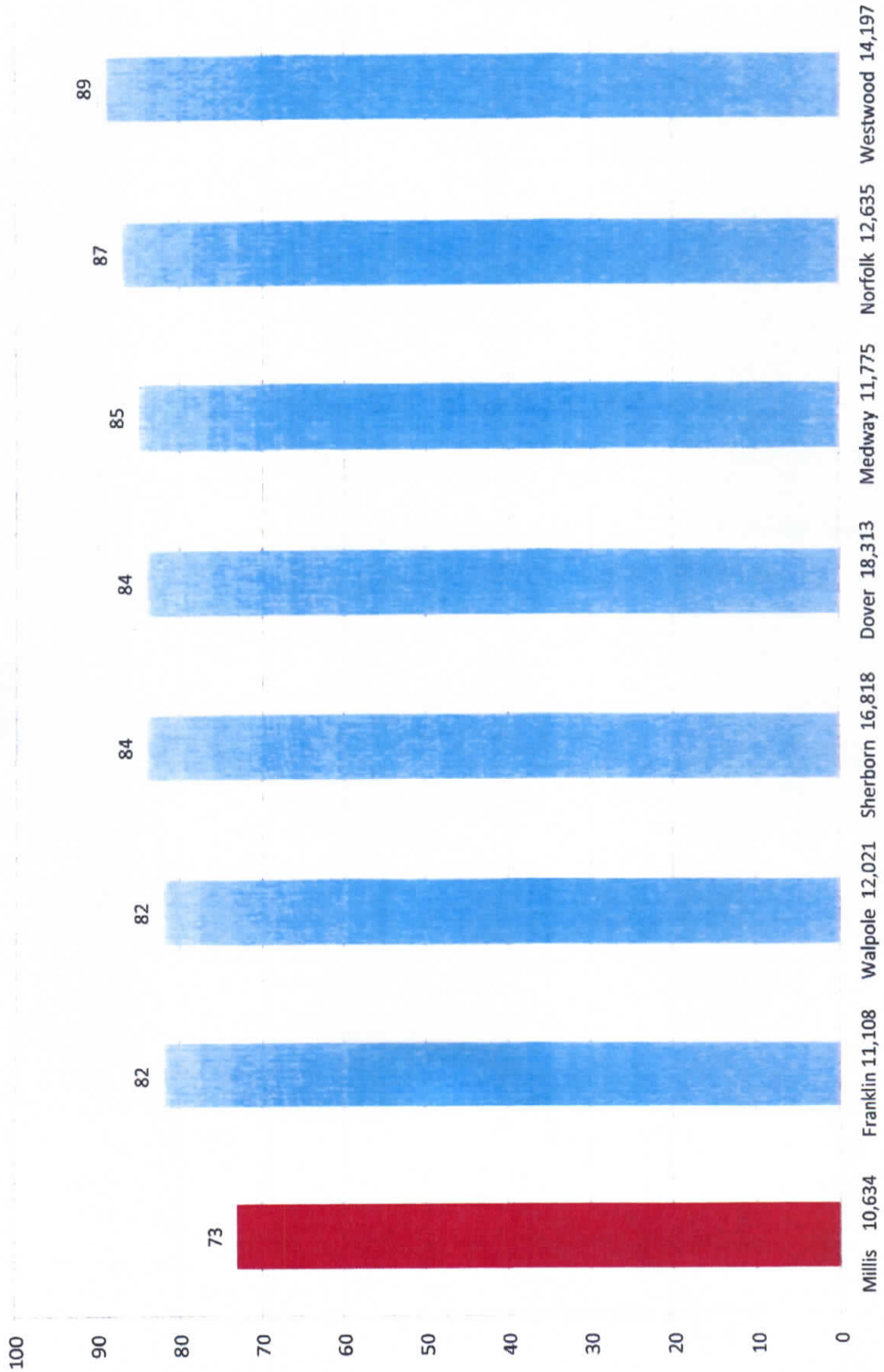
MCAS overall District ELA



Math P+ Comparisons

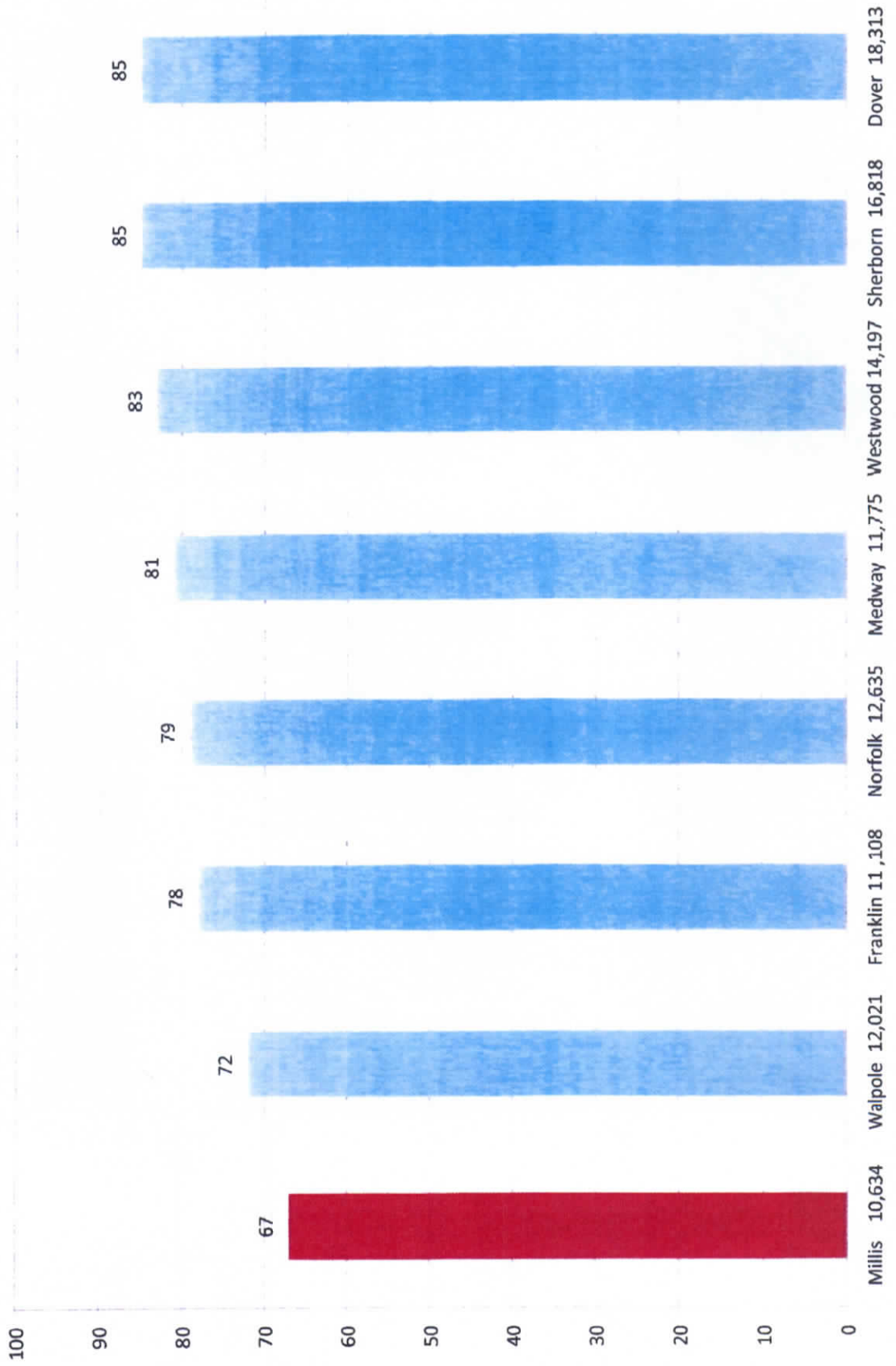


FY'12 PPE ELA P+



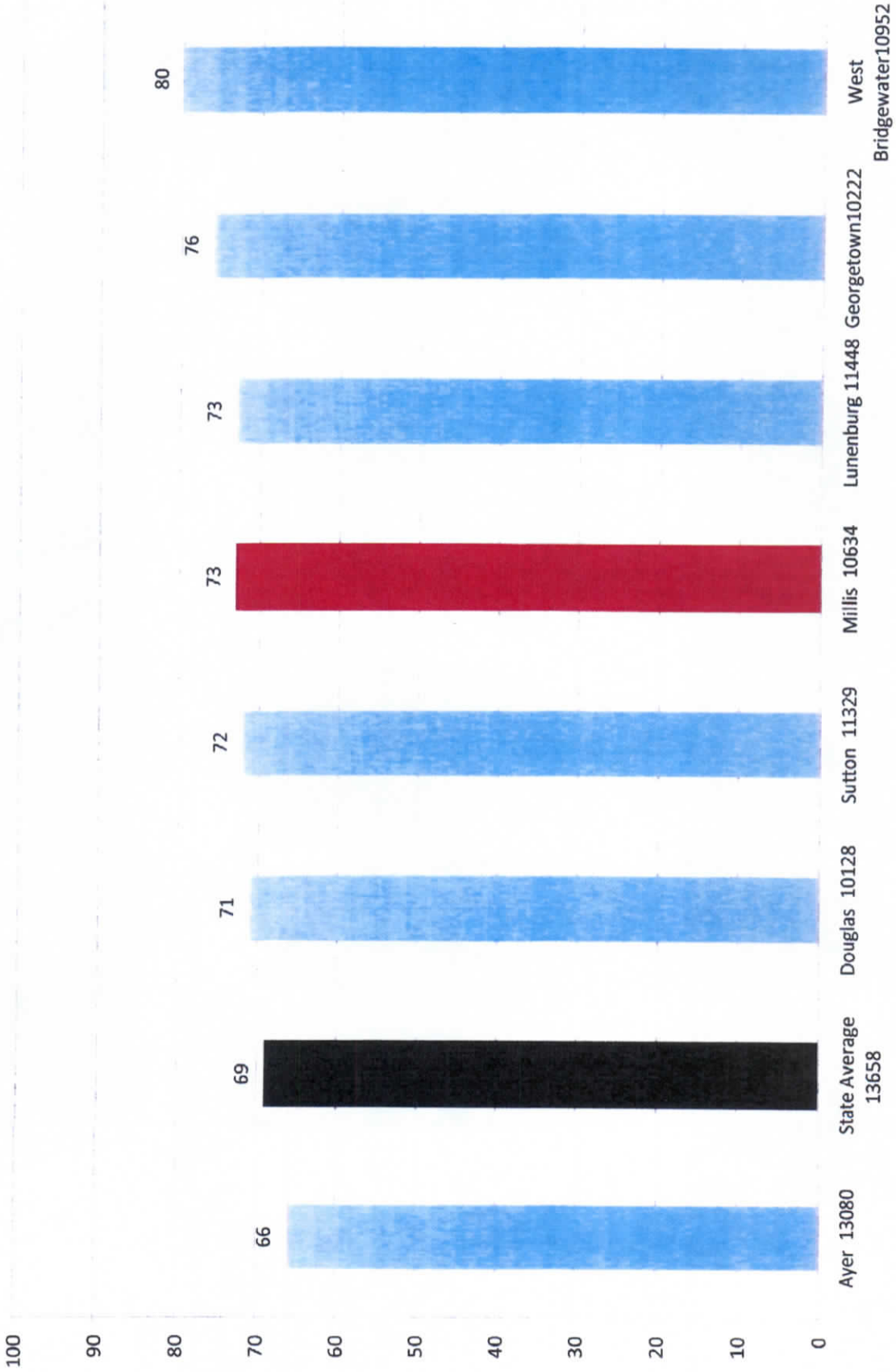
VIT-28

FY'12 PPE Math P+



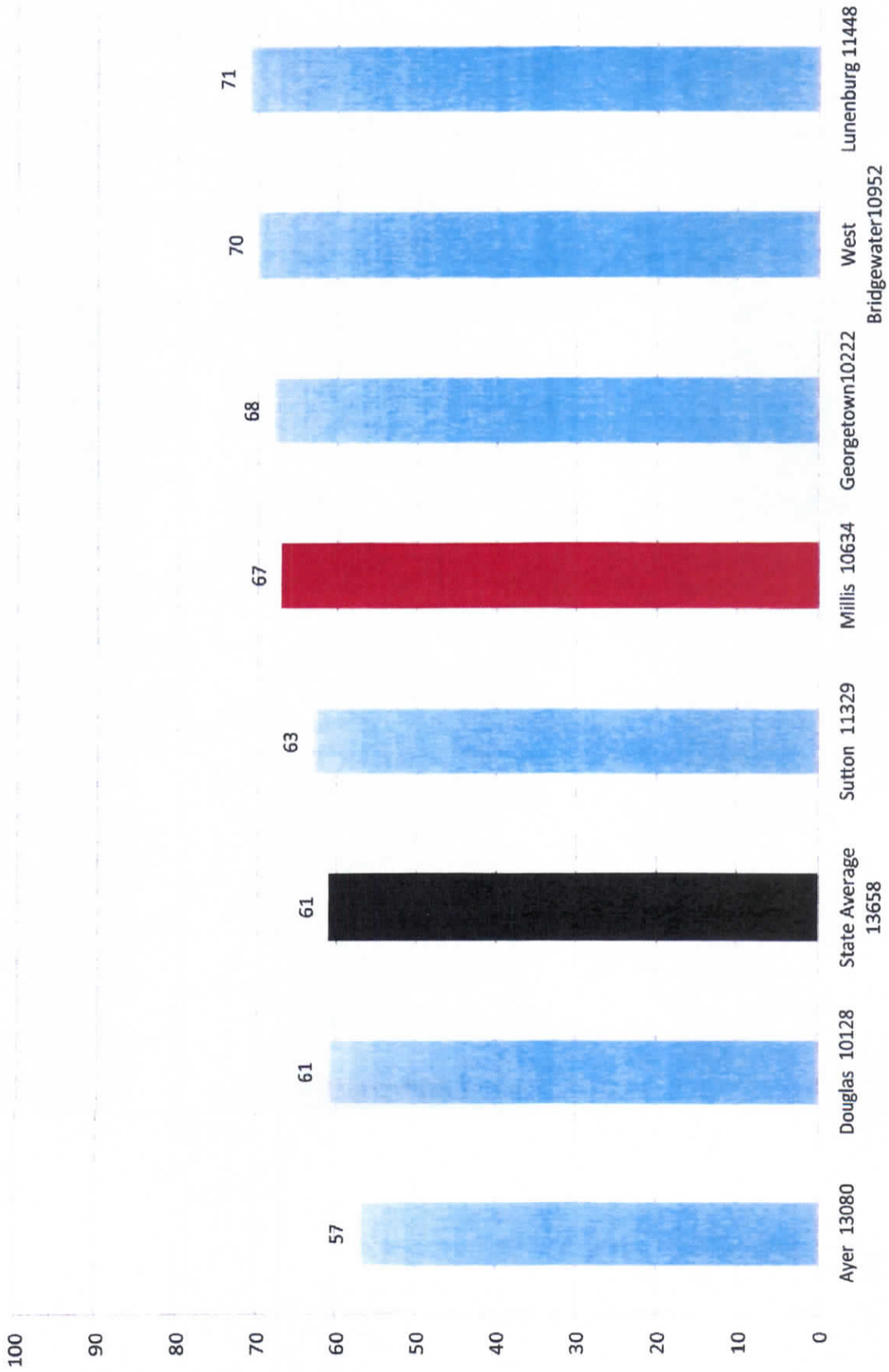
bc-II ✓

FY'12 PPE ELA P+



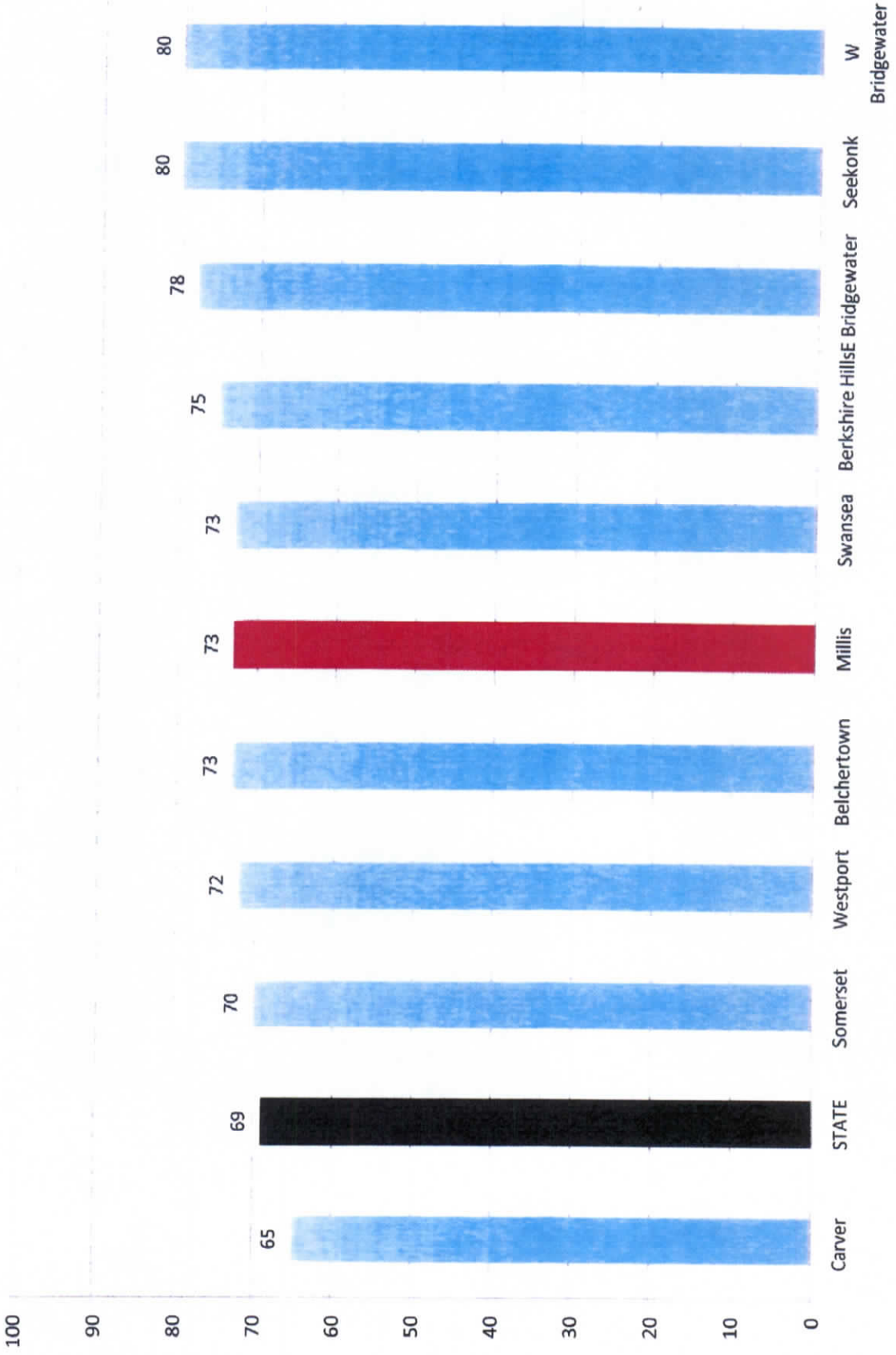
VII-30

FY12 PPE Math P+

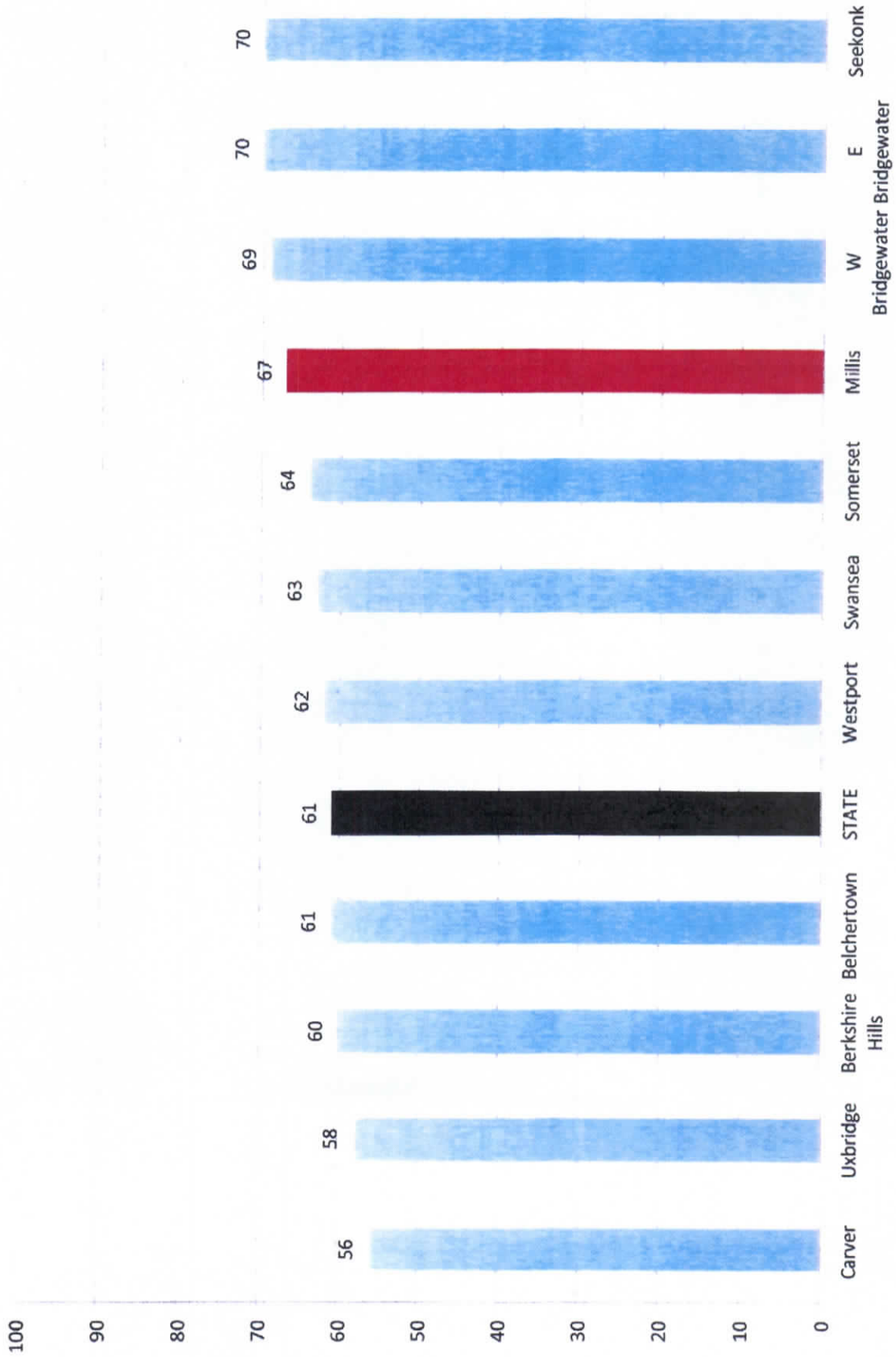


VII-31

DART District ELA P+



DART District Math P+

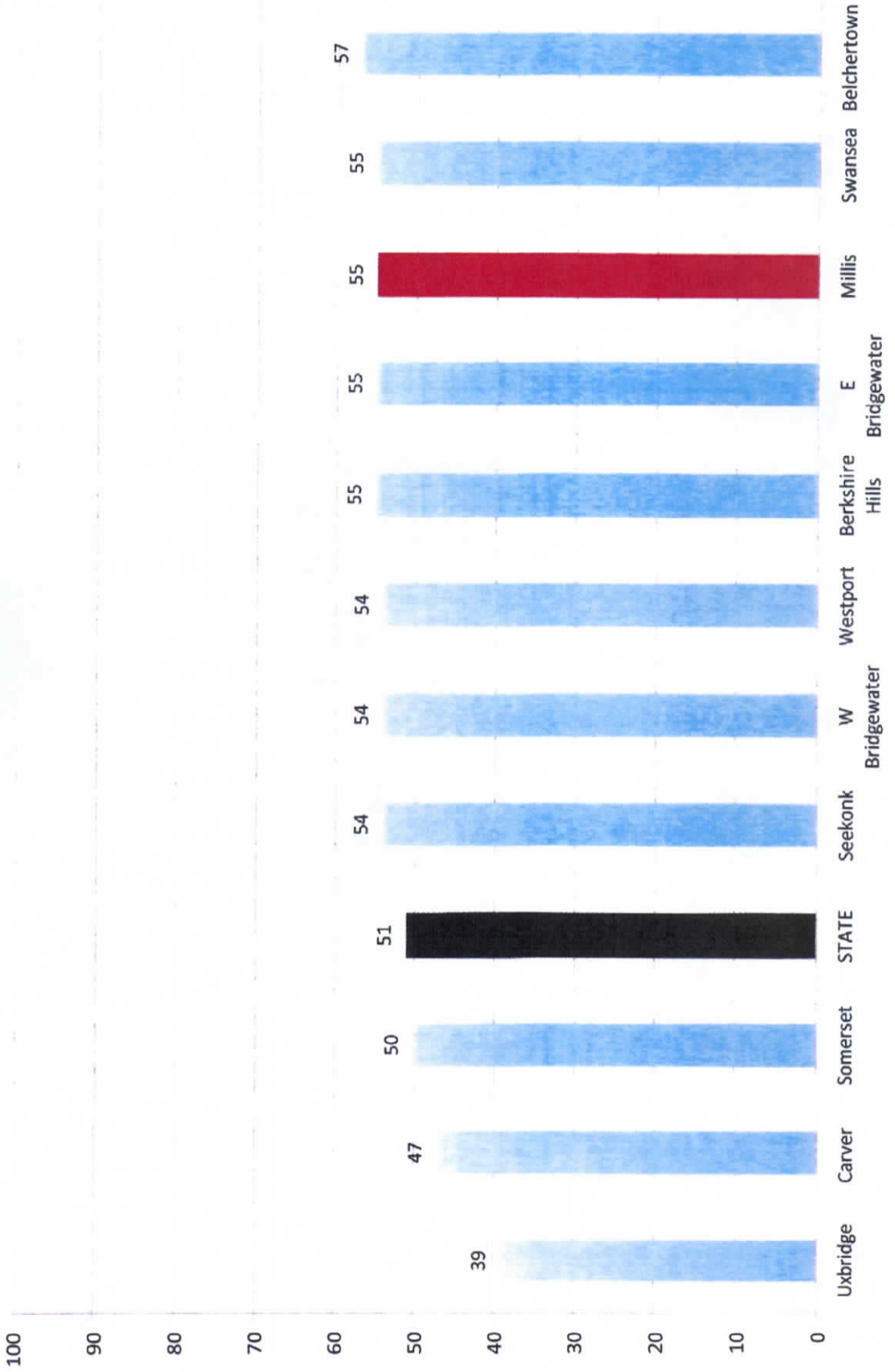


VII-33

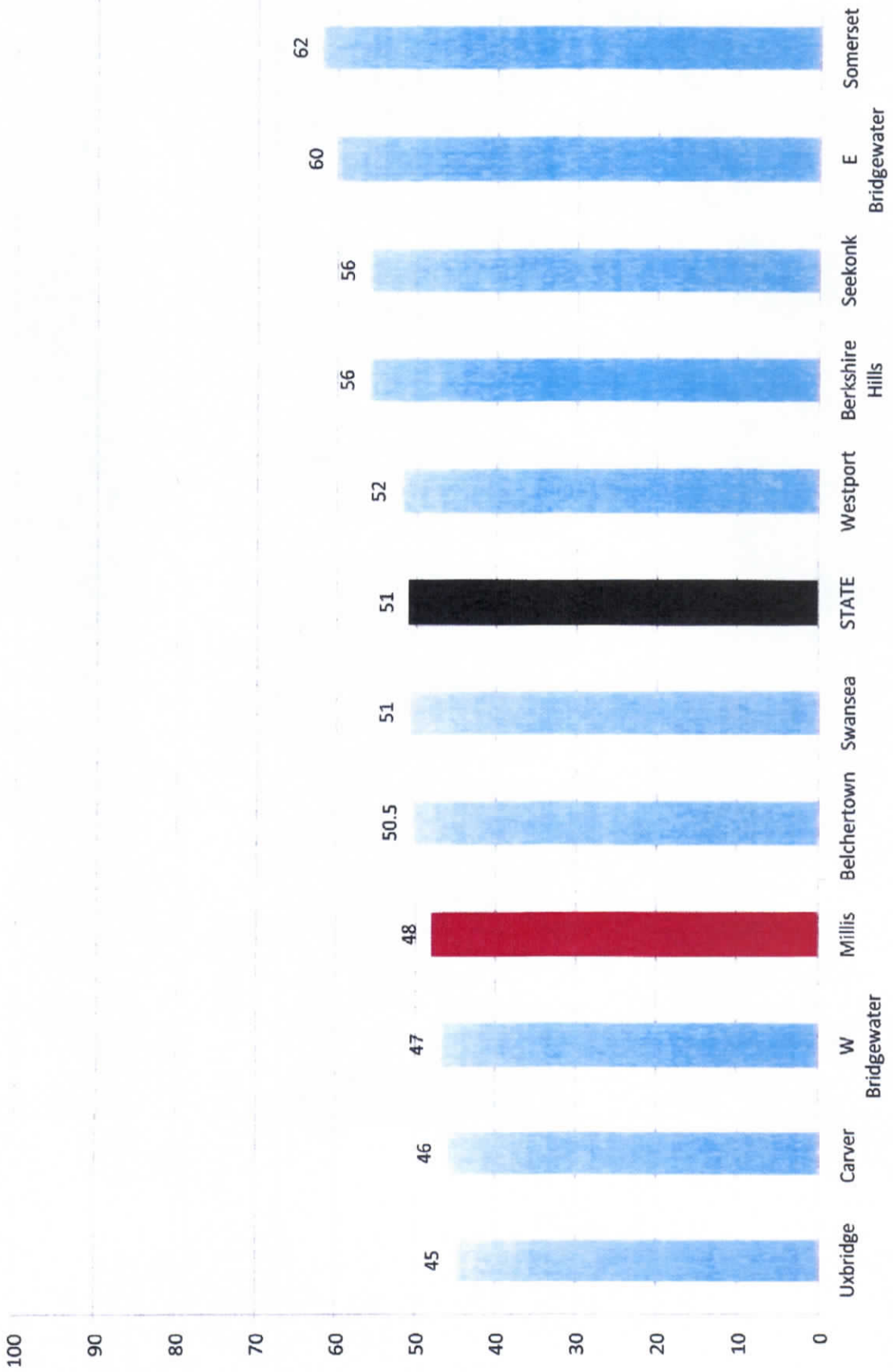
What is growth?

- MCAS shows how each student is achieving relative to state standards
 - Is John proficient in 6th grade mathematics?
 - Cannot compare John's scaled scores from year to year
- Growth measures change in an individual student's performance over time
 - How much did John improve in mathematics from 5th grade to 6th grade?
 - Did John improve more or less than his academic peers?

DART ELA Growth



DART Math Growth



Growth Gr 4 ELA/Math

SGP 49

47% P+

SGP 58

63% P+

Lower Growth
Higher Achievement

Higher Growth
Higher Achievement



Lower Growth
Lower Achievement

Higher Growth
Lower Achievement

Lower Growth
Higher Achievement

Higher Growth
Higher Achievement



Lower Growth
Lower Achievement

Higher Growth
Lower Achievement

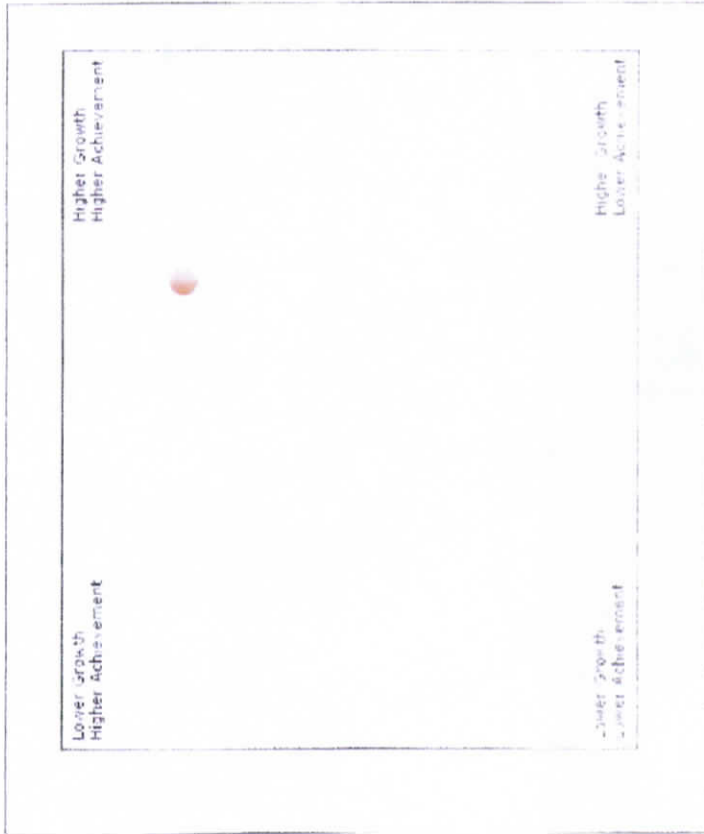
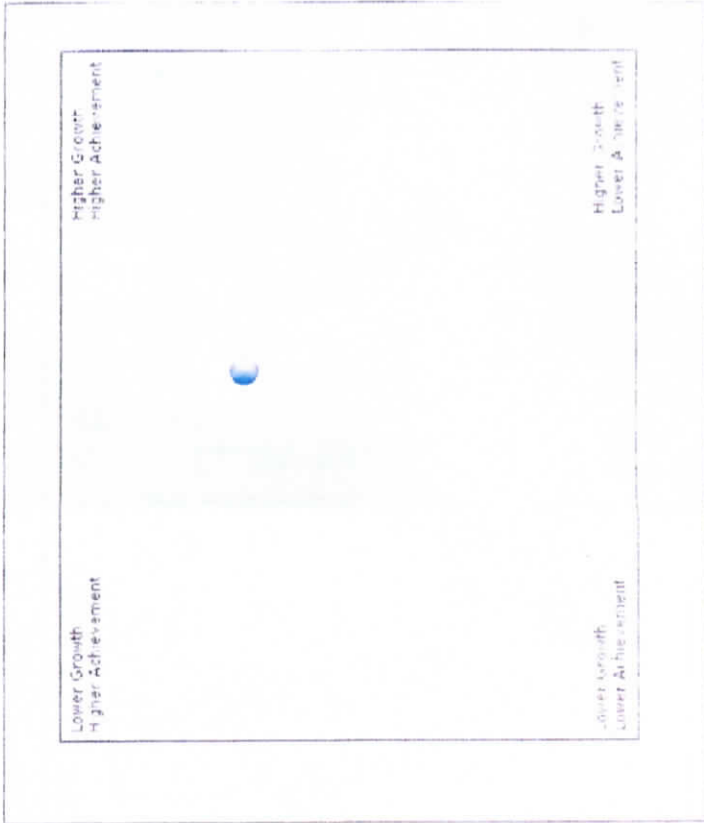
Growth Gr 5 ELA/Math

54 SGP

68%P+

67 SGP

79%P+



Growth Gr 6 ELA/Math

SGP 46.5

76%P+

SGP 18

64%P+

Lower Growth
Higher Achievement

Higher Growth
Higher Achievement

Lower Growth
Higher Achievement

Higher Growth
Higher Achievement

Lower Growth
Lower Achievement

Higher Growth
Lower Achievement

Lower Growth
Lower Achievement

Higher Growth
Lower Achievement

Growth Gr 7 ELA/Math

SGP 53

85%P+

SGP 26.5

48%P+

Lower Growth
Higher Achievement

Higher Growth
Higher Achievement

Higher Growth
Higher Achievement

Lower Growth
Higher Achievement



Lower Growth
Lower Achievement

Higher Growth
Lower Achievement

Lower Growth
Lower Achievement

Higher Growth
Lower Achievement

Growth Gr 8 ELA/Math

SGP 61

91% P+

SGP 76.5

70% P+

Lower Growth
Higher Achievement

Higher Growth
Higher Achievement

Lower Growth
Higher Achievement

Higher Growth
Higher Achievement

Lower Growth
Lower Achievement

Higher Growth
Lower Achievement

Lower Growth
Lower Achievement

Higher Growth
Lower Achievement

Growth Grade 10 ELA/Math

SGP 70

97% P+

SGP 59

88%P+

Lower Growth
Higher Achievement



Higher Growth
Higher Achievement

Lower Growth
Higher Achievement

Higher Growth
Higher Achievement

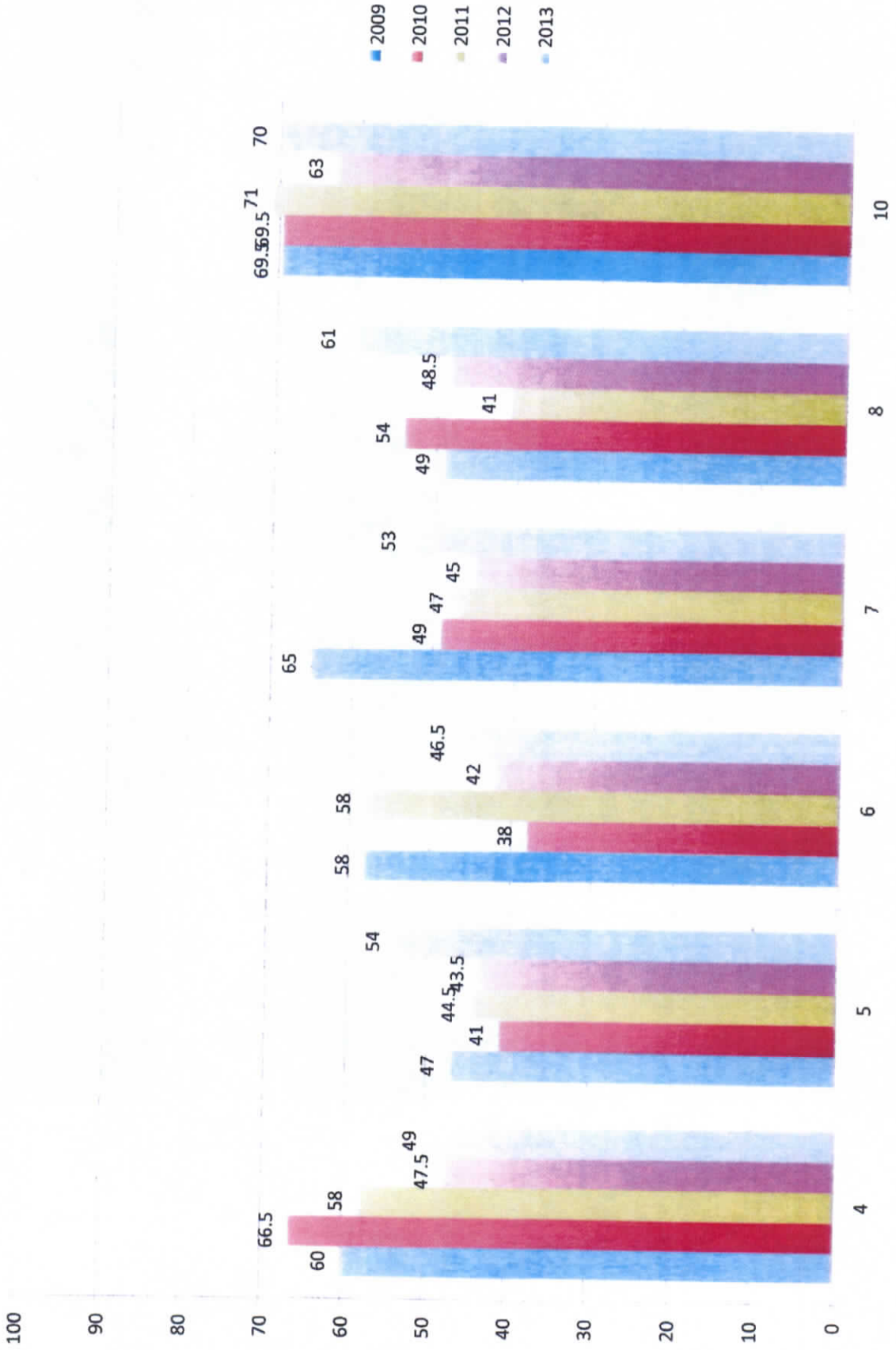
Lower Growth
Lower Achievement

Higher Growth
Lower Achievement

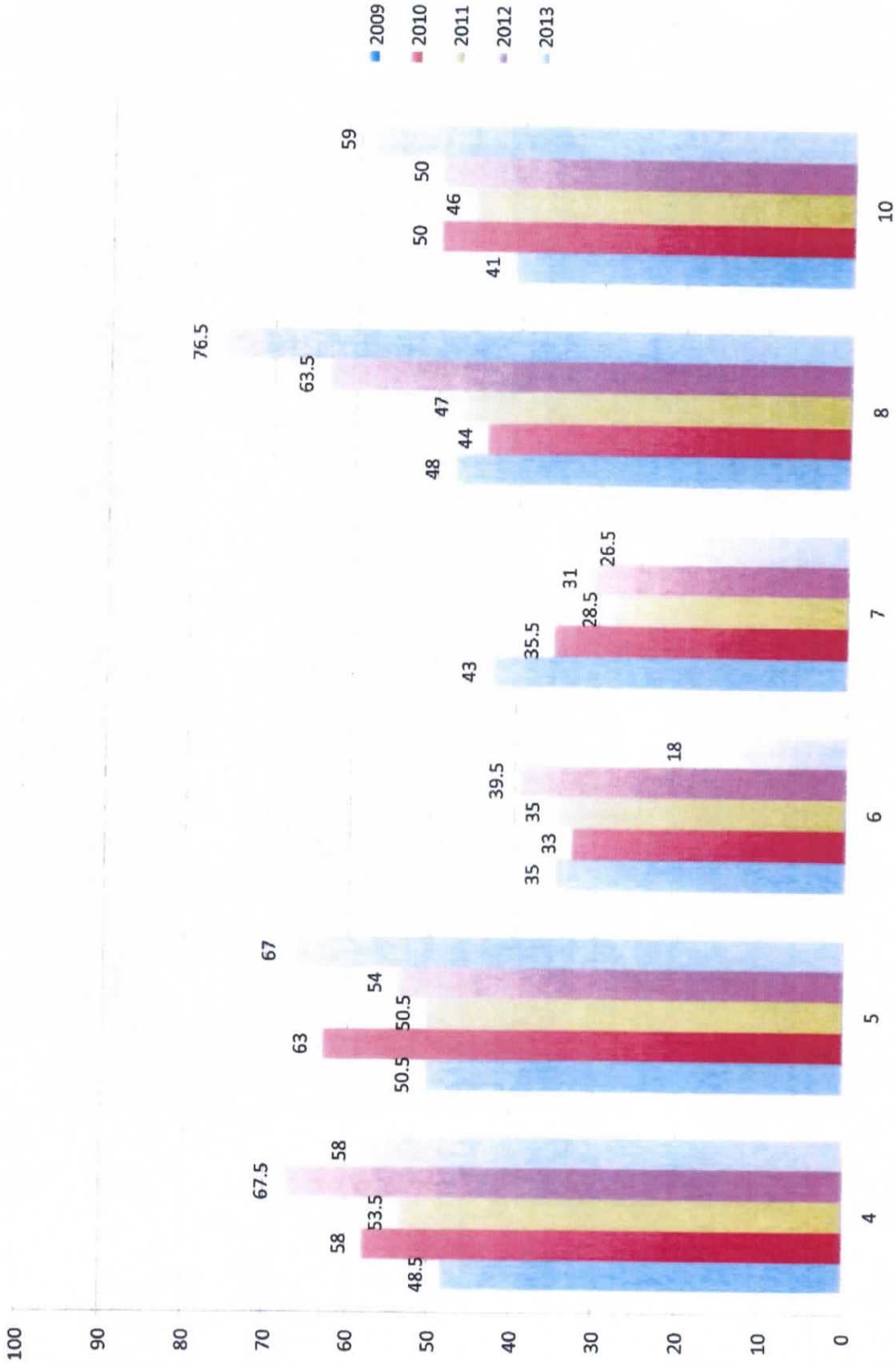
Lower Growth
Lower Achievement

Higher Growth
Lower Achievement

ELA Growth Over Time

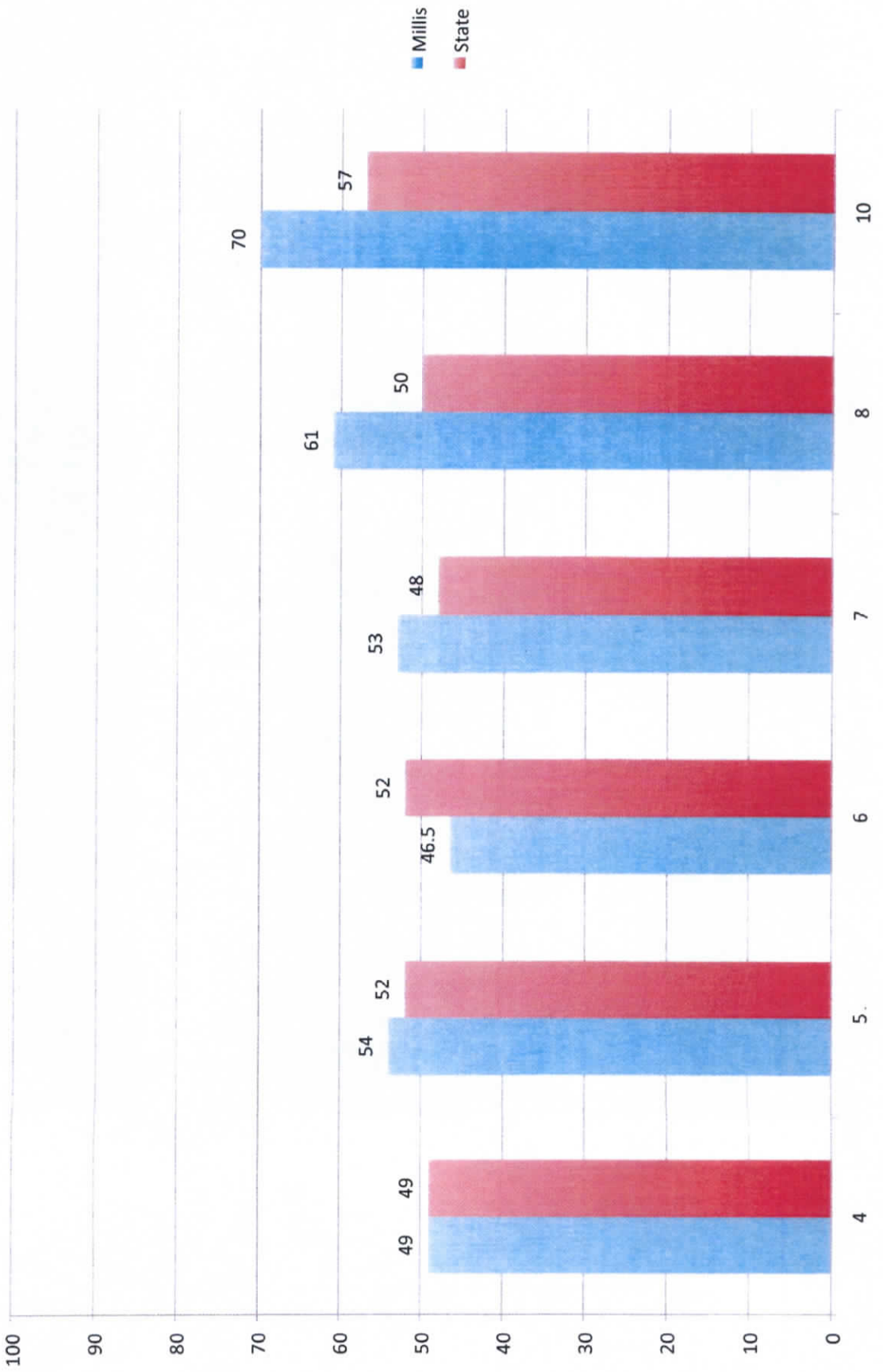


Math Growth over Time



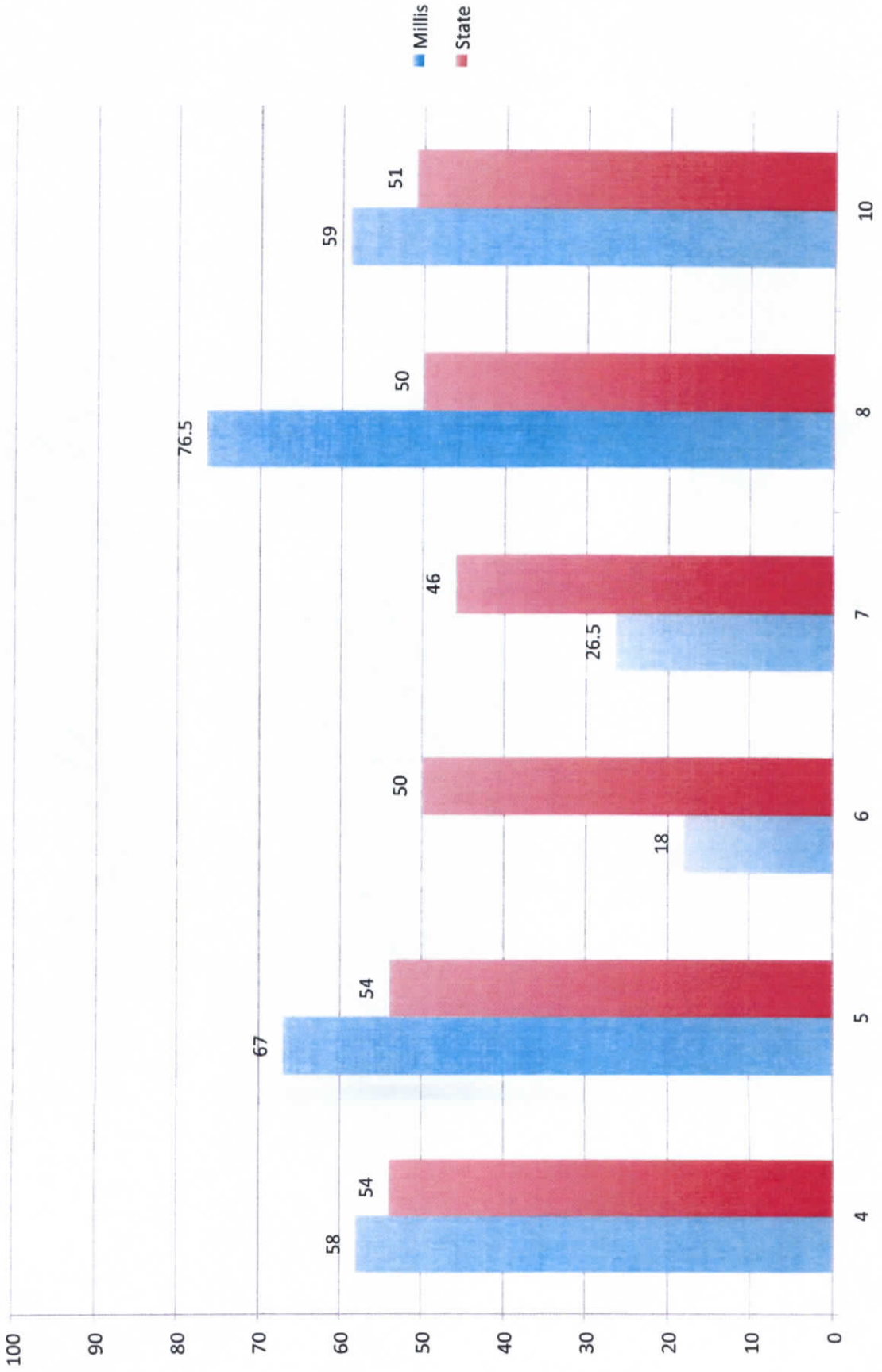
VII-44

ELA Growth over State 2013



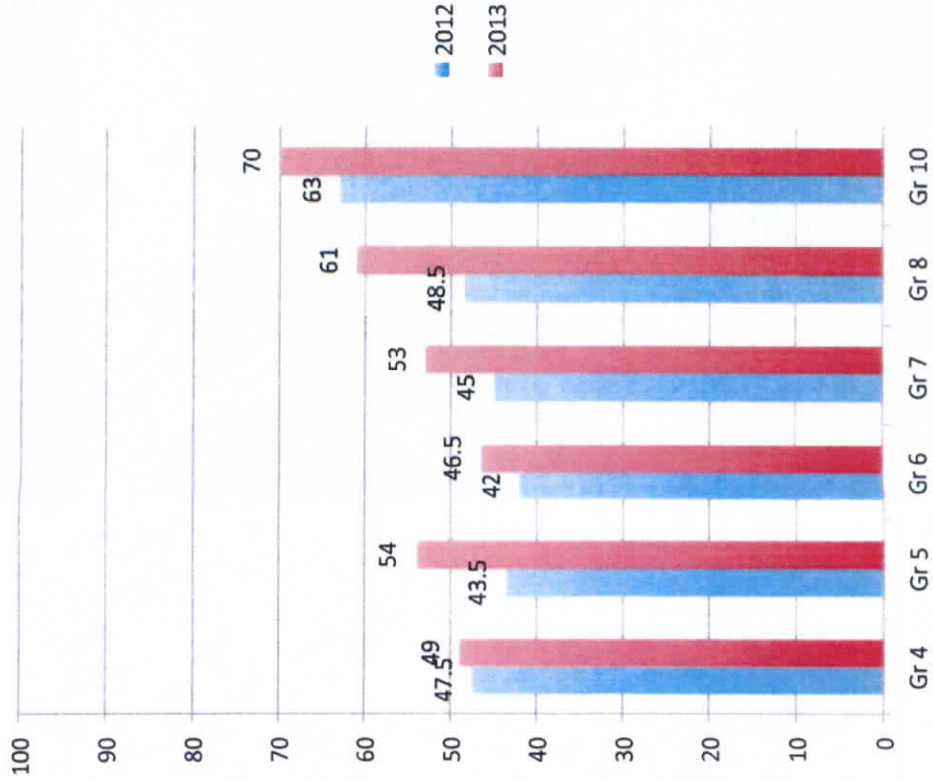
VII-45

Math Growth over State 2013

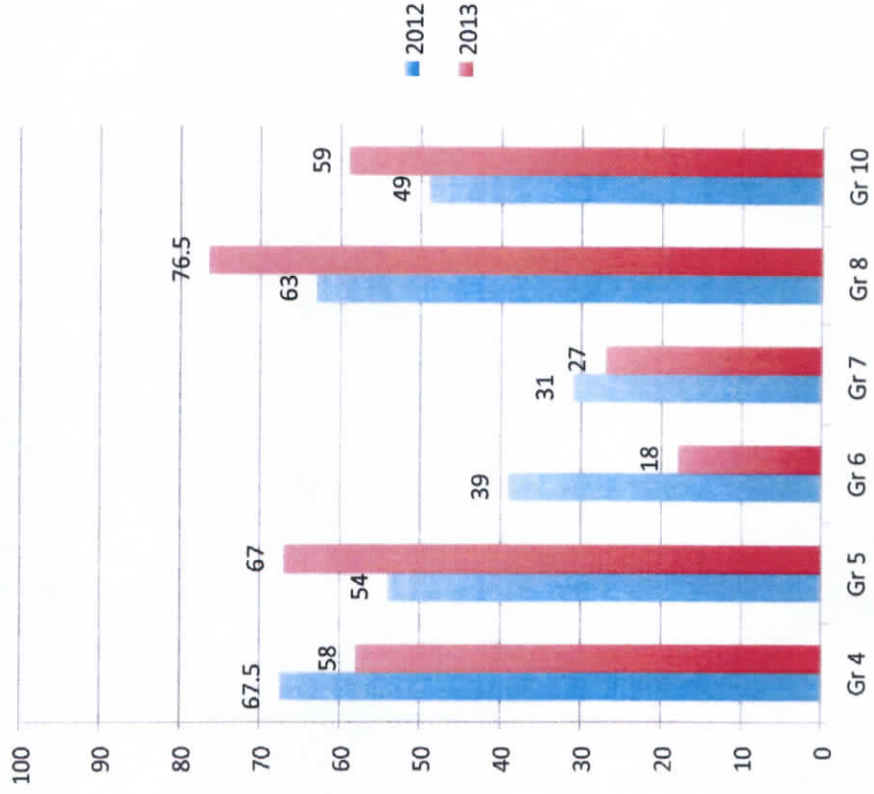


VII-4/6

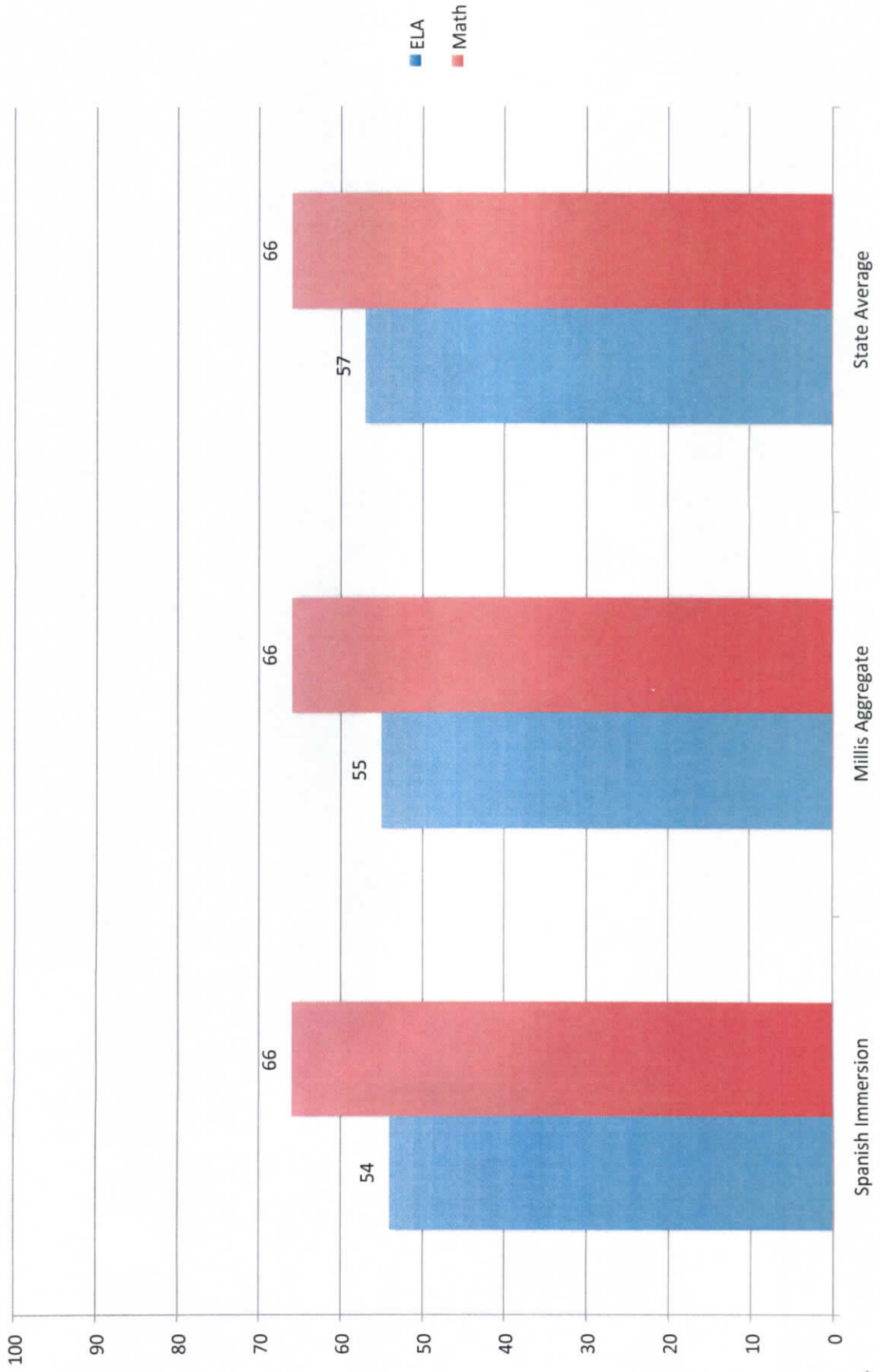
ELA Growth 2012-2013



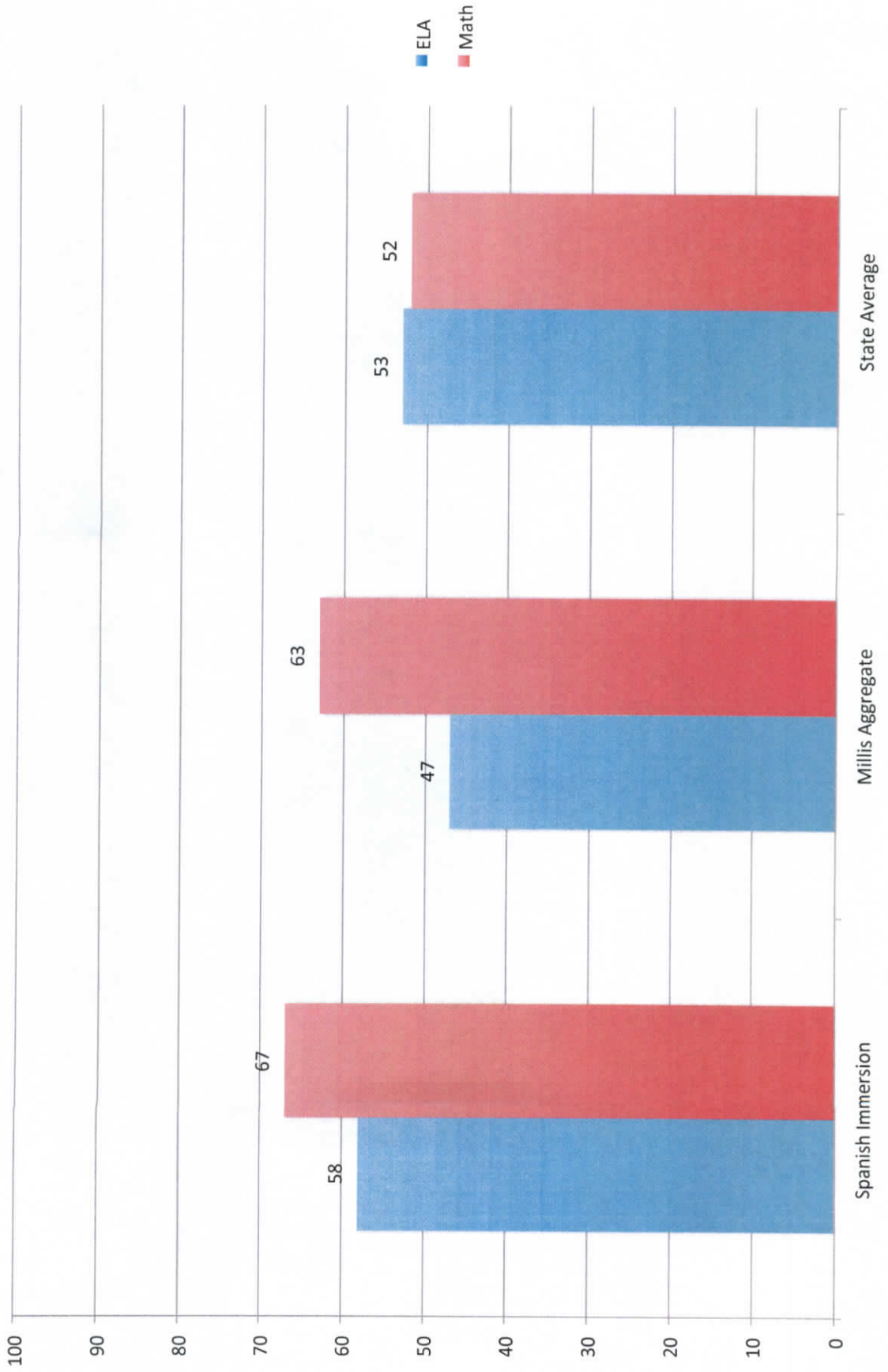
Math Growth 2012-2013



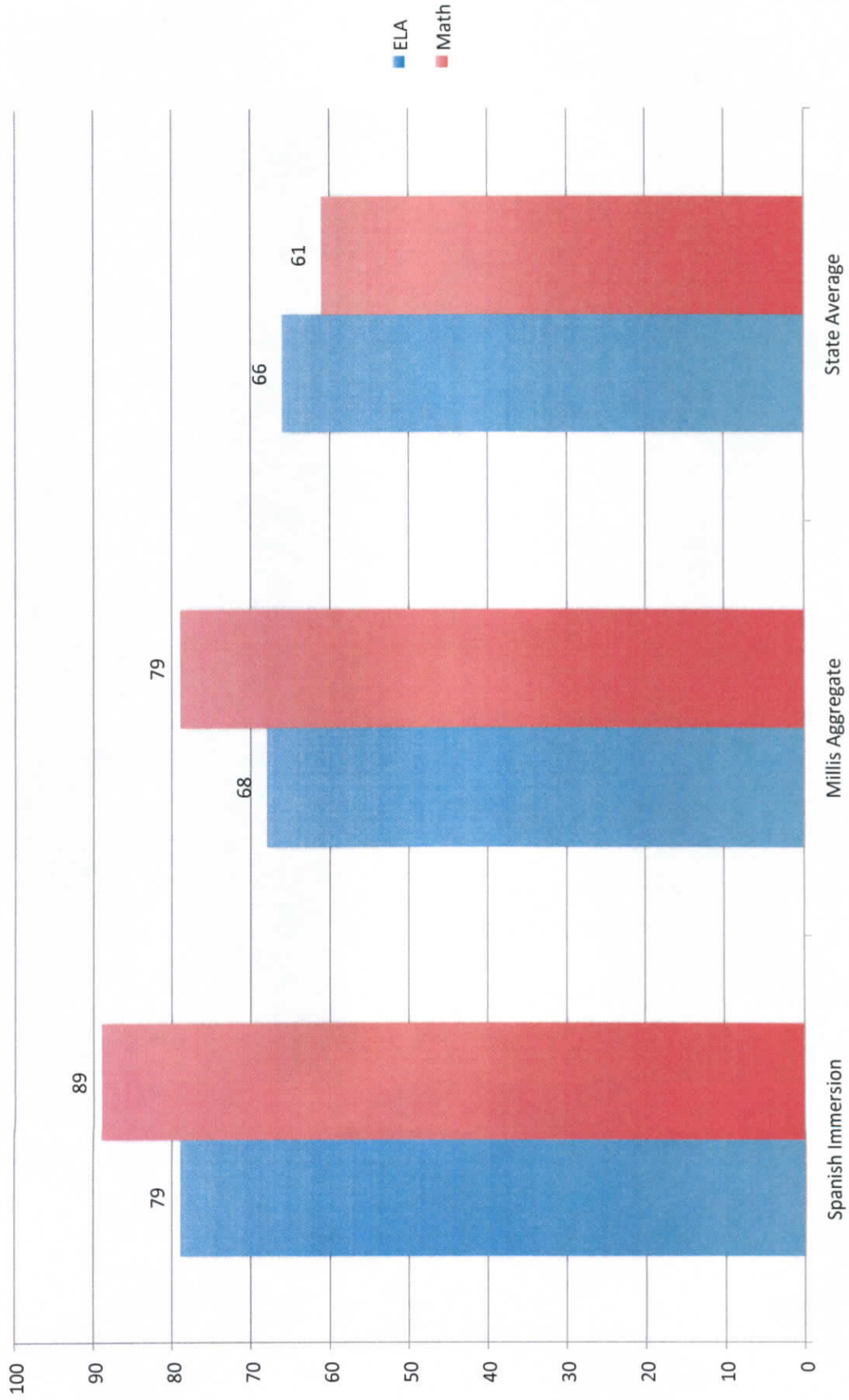
2013 Grade 3 Advanced & Proficient %



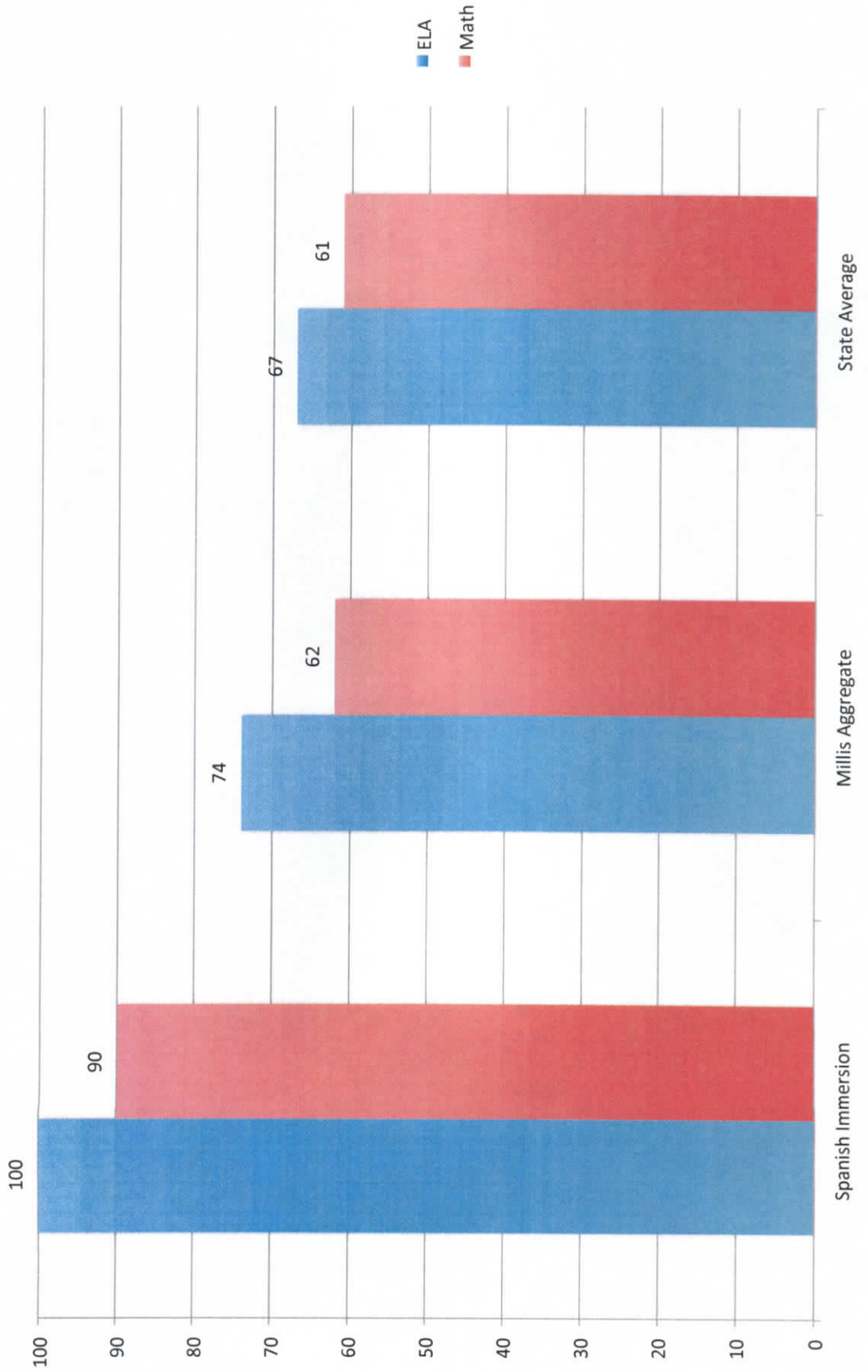
2013 Grade 4 Advanced & Proficient %



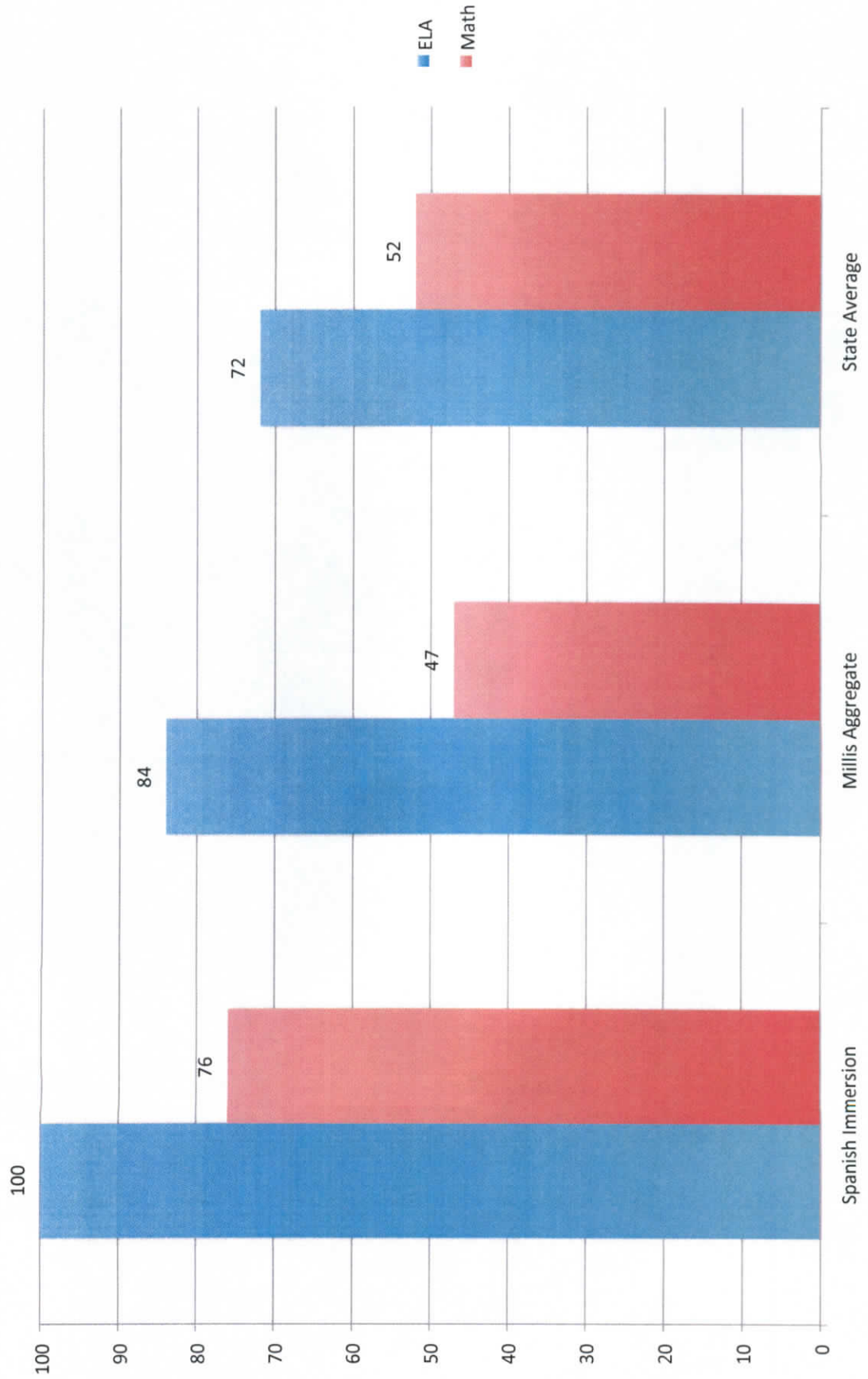
2013 Grade 5 Advanced & Proficient %



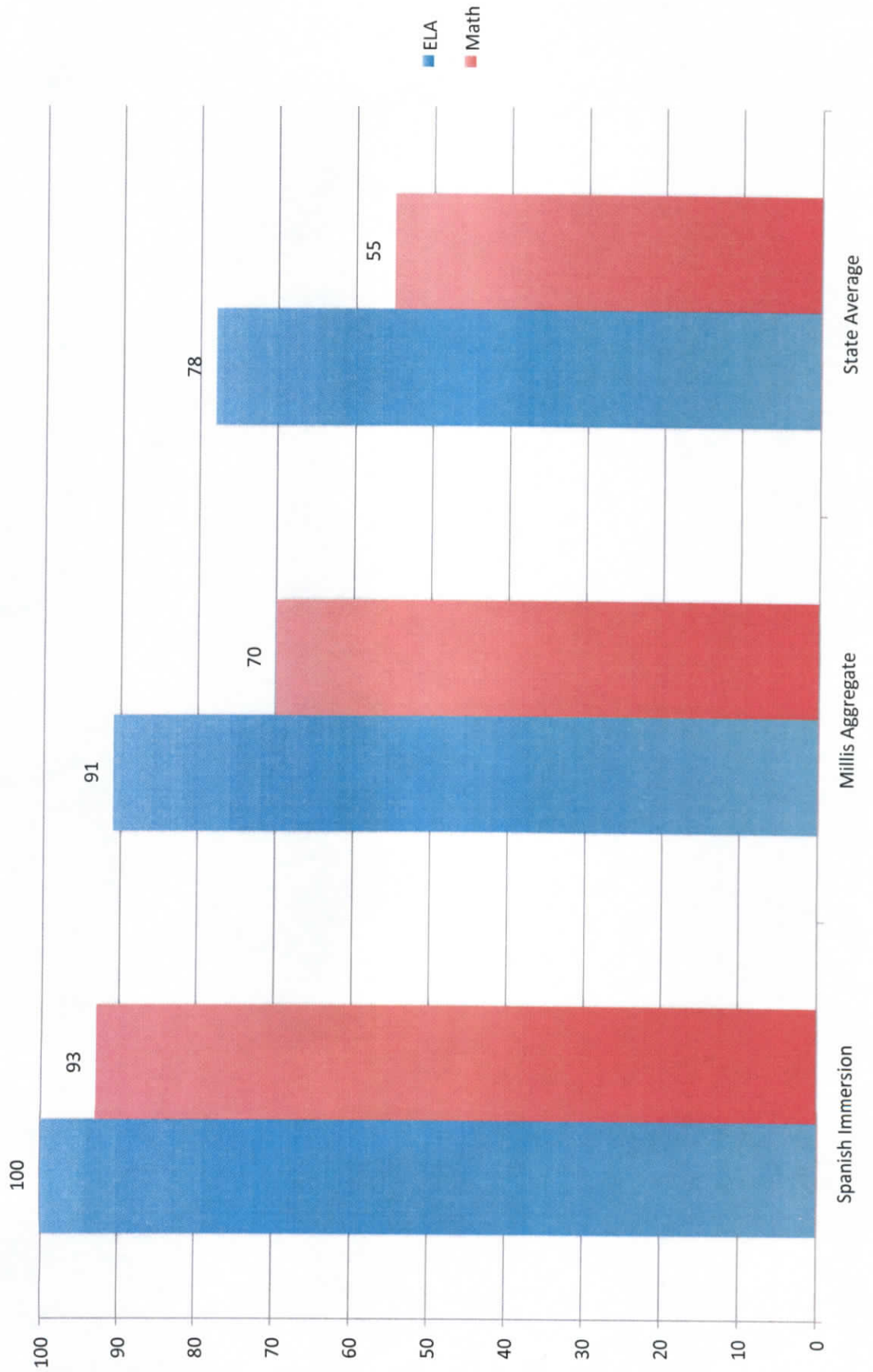
2013 Grade 6 Advanced & Proficient %



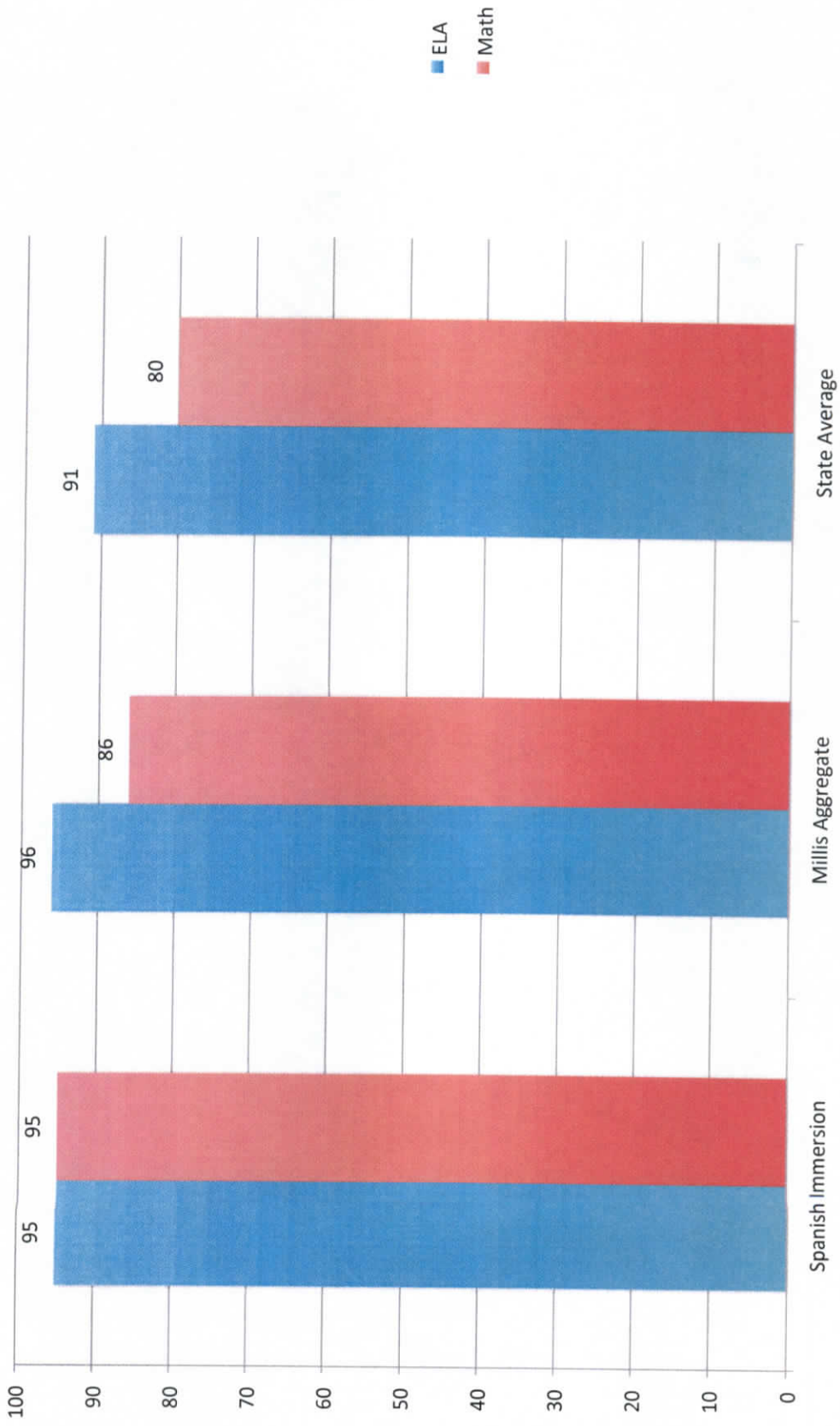
2013 Grade 7 Advanced & Proficient %



2013 Grade 8 Advanced & Proficient %



2013 Grade 10 Advanced & Proficient %



VII-54