

# **Hull Public Schools MCAS & PARCC Presentation Grades 3 - 12**

October 2016

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# **Presentation Outline**

HPS Performance Level Trends

PARCC Dart Schools

Growth Model Explanation

HPS Median Growth Trends

# Review of 2016 Assessments

## Schools

## Assessment

### Hull High School

Grade 9 Introductory Physics

MCAS

Grade 10 ELA and Math

MCAS

### Memorial Middle School

Grade 6 ELA and Math

PARCC

Grade 7 ELA and Math

PARCC

Grade 8 ELA and Math

PARCC

Grade 8 Science and Technology

MCAS

### Jacobs Elementary School

Grade 3 Reading and Math

PARCC

Grade 4 ELA and Math

PARCC

Grade 5 ELA and Math

PARCC

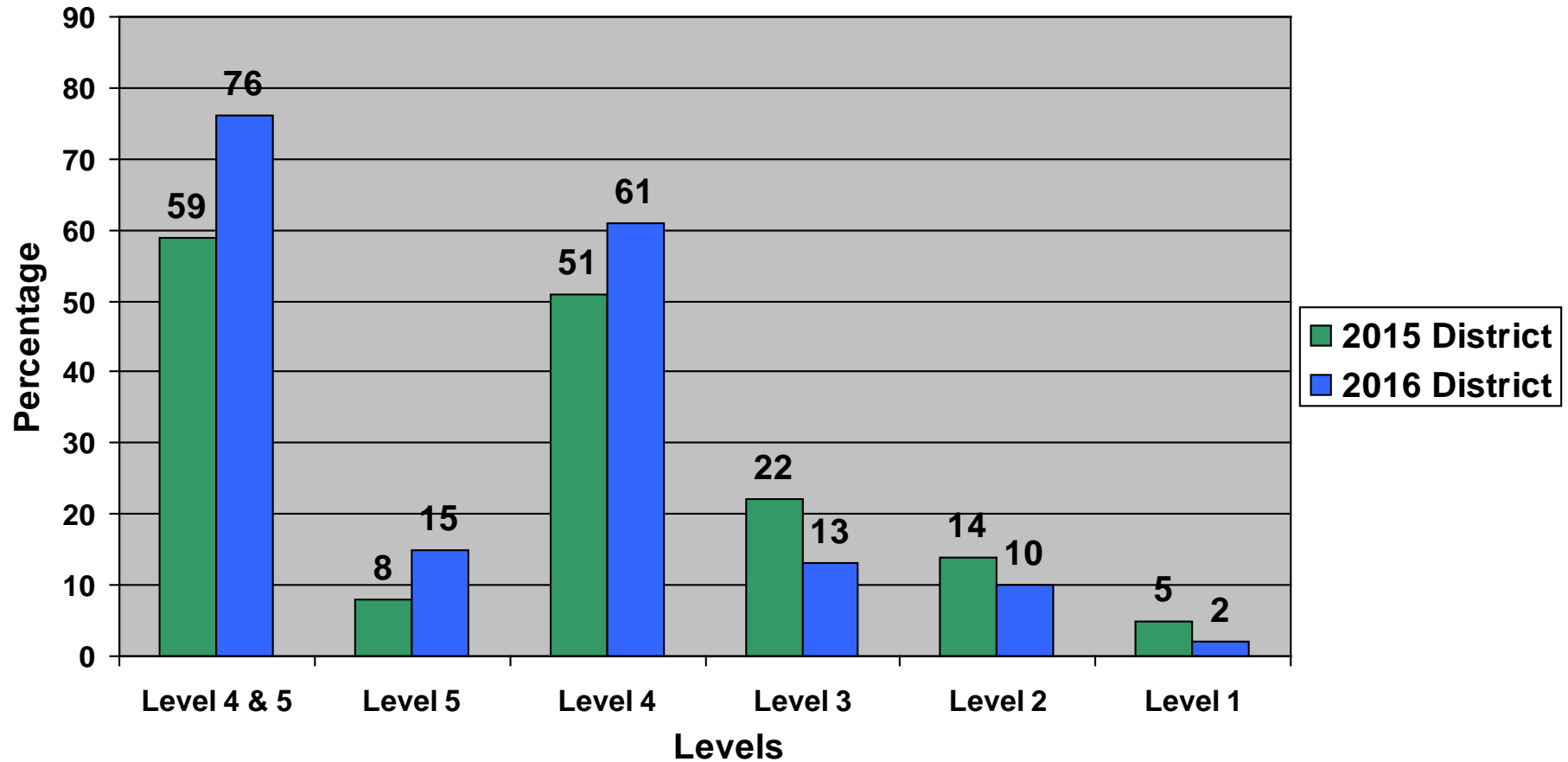
Grade 5 Science and Technology

MCAS

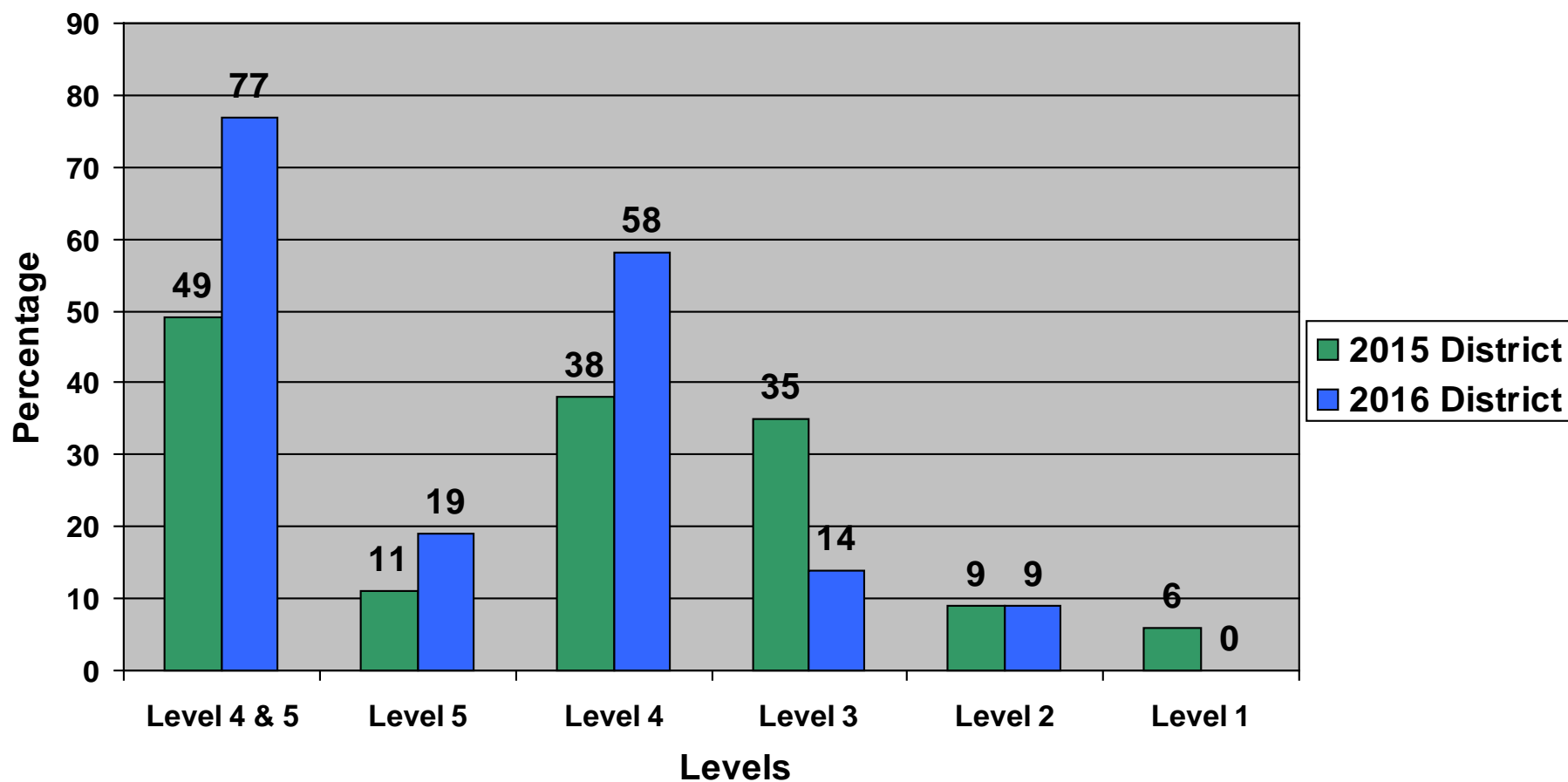
# PARCC and MCAS Achievement Levels

PARCC Achievement Levels		MCAS Achievement Levels
Level 5	Exceeded expectations	Advanced
Level 4	Met expectations	Proficient
Level 3	Approached expectations	Needs improvement
Level 2	Partially met expectations	
Level 1	Did not yet meet expectations	Warning (3-8) Failing (HS)

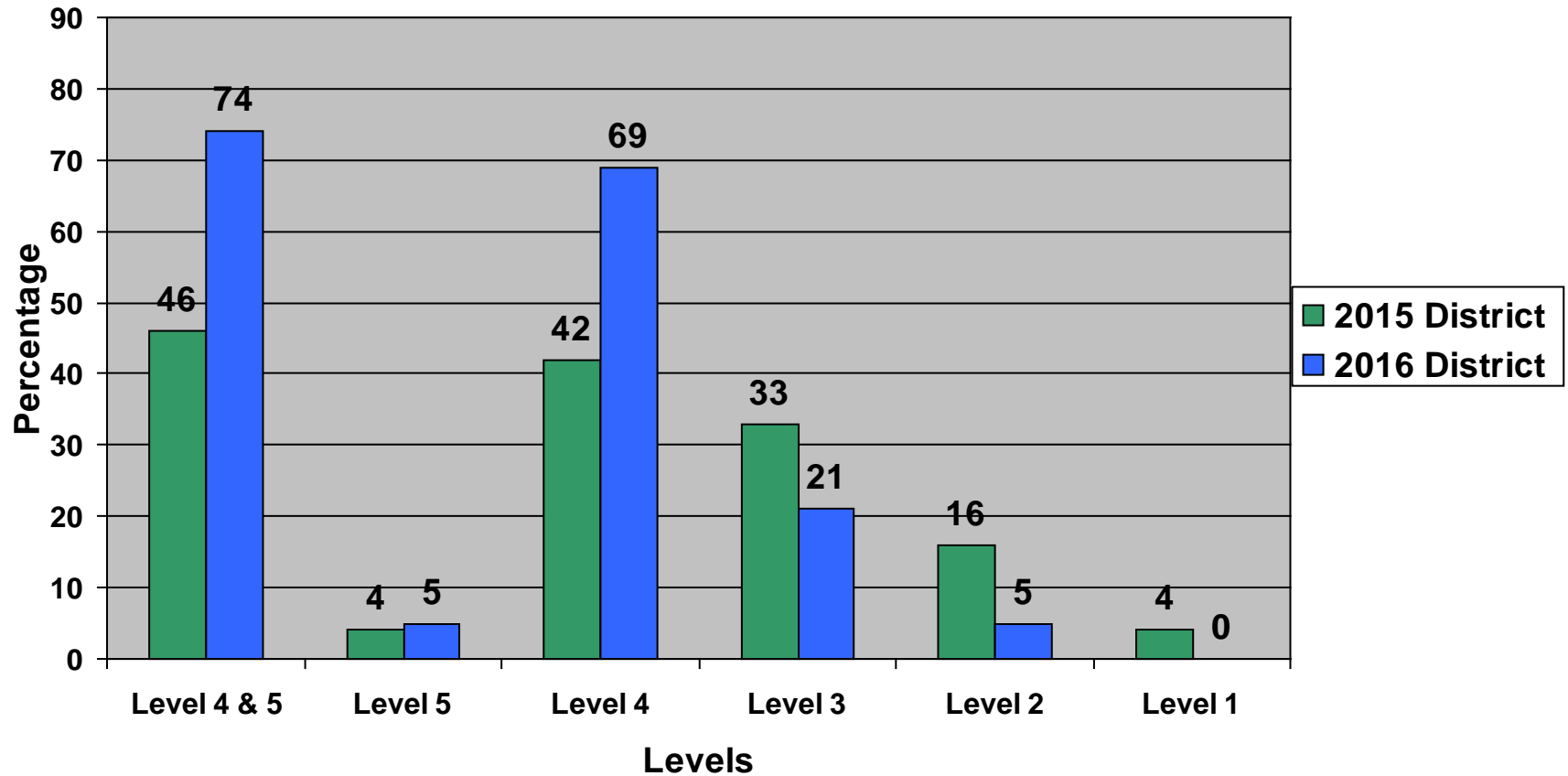
# Grade Three ELA PARCC Data



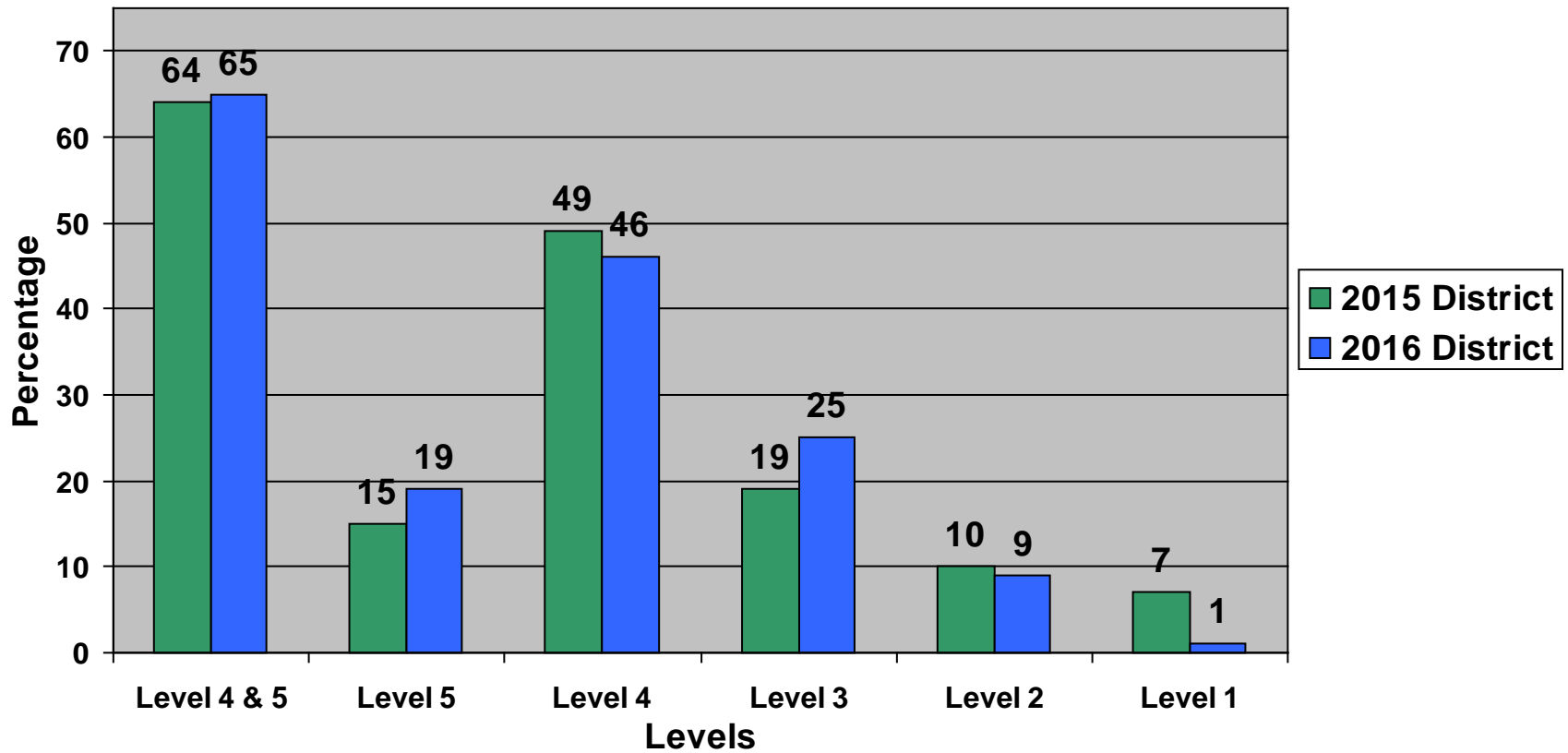
# Grade Four ELA PARCC Data



# Grade Five ELA PARCC Data

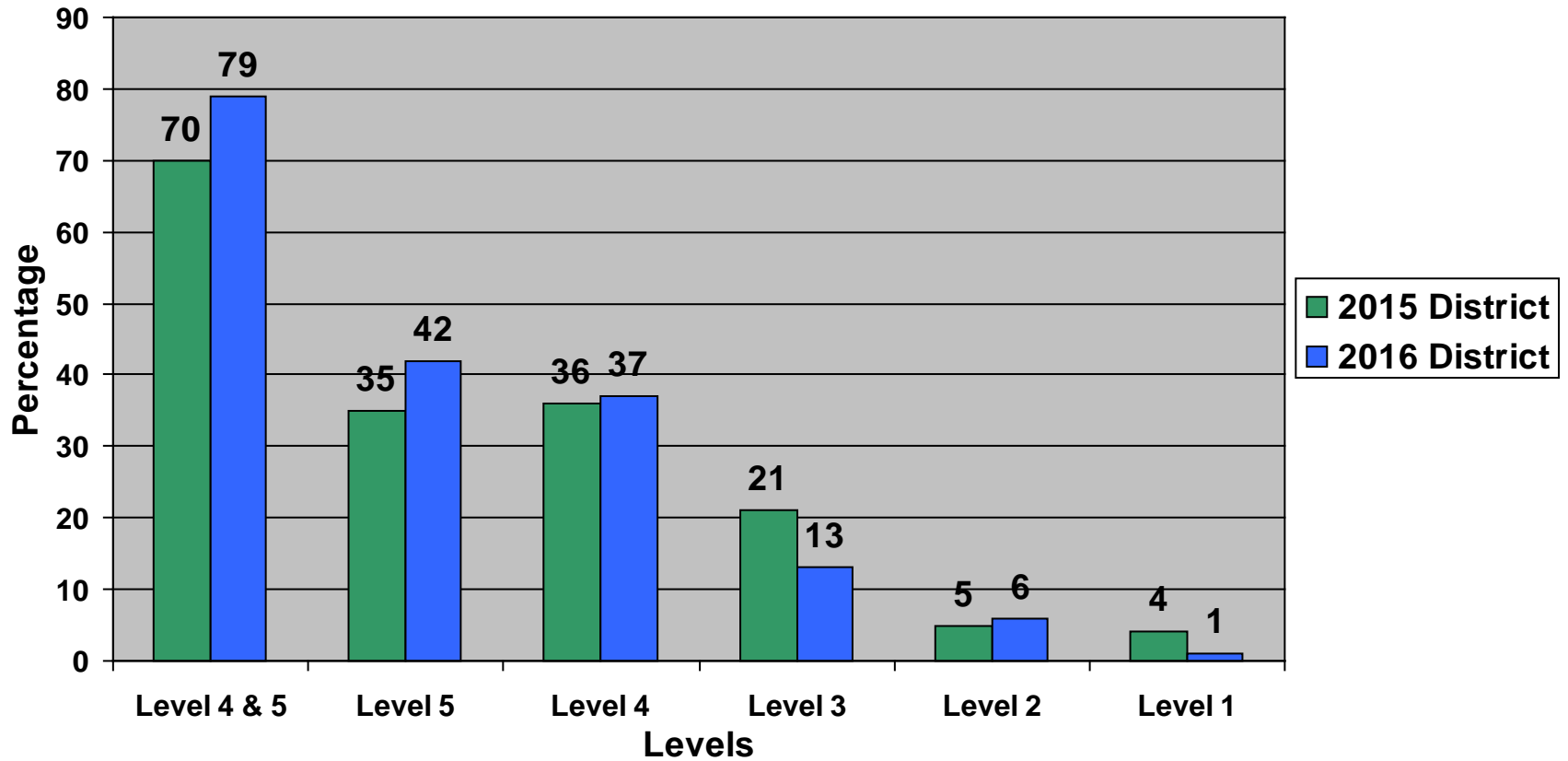


# Grade Six ELA PARCC Data

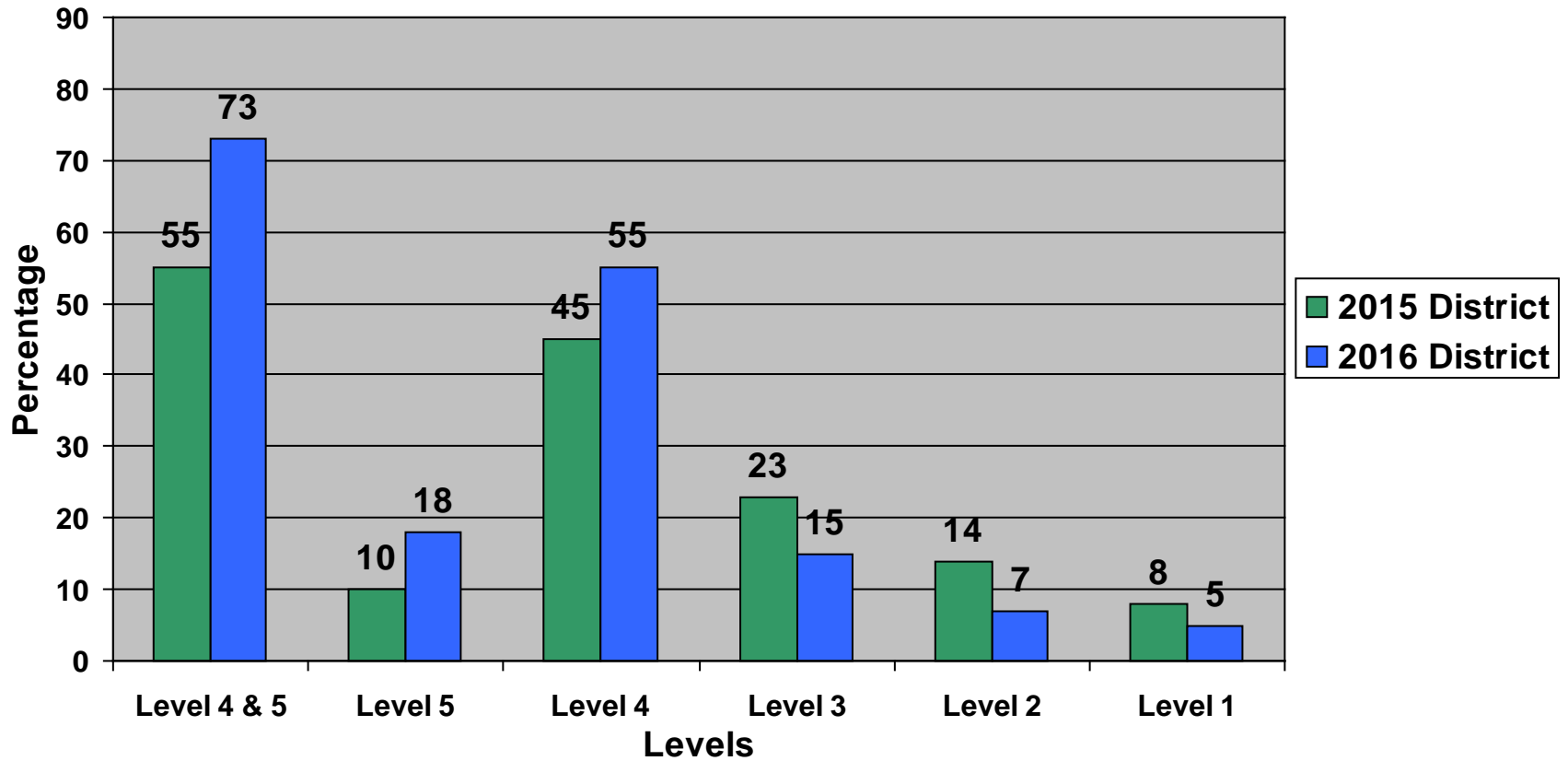




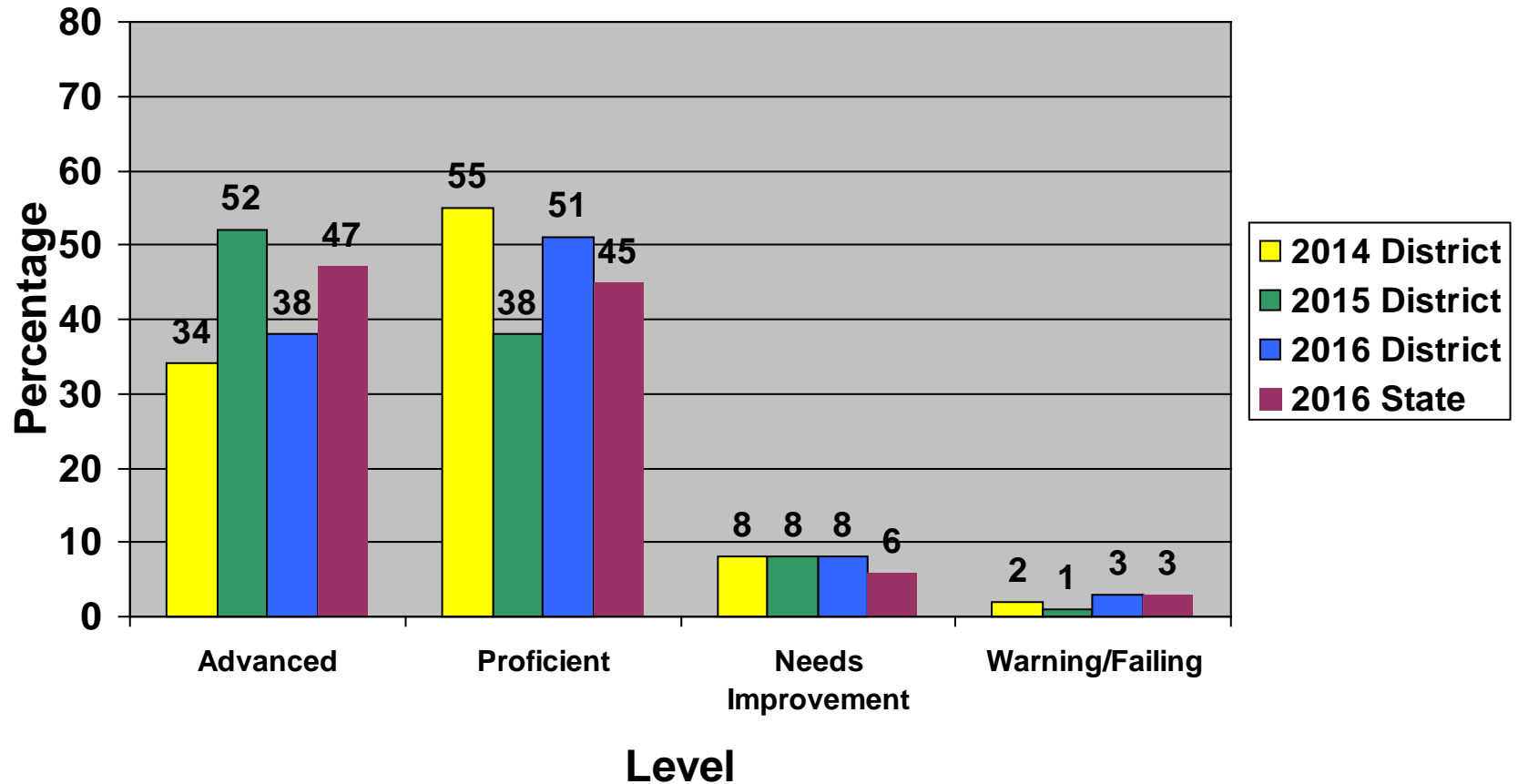
# Grade Seven ELA PARCC Data



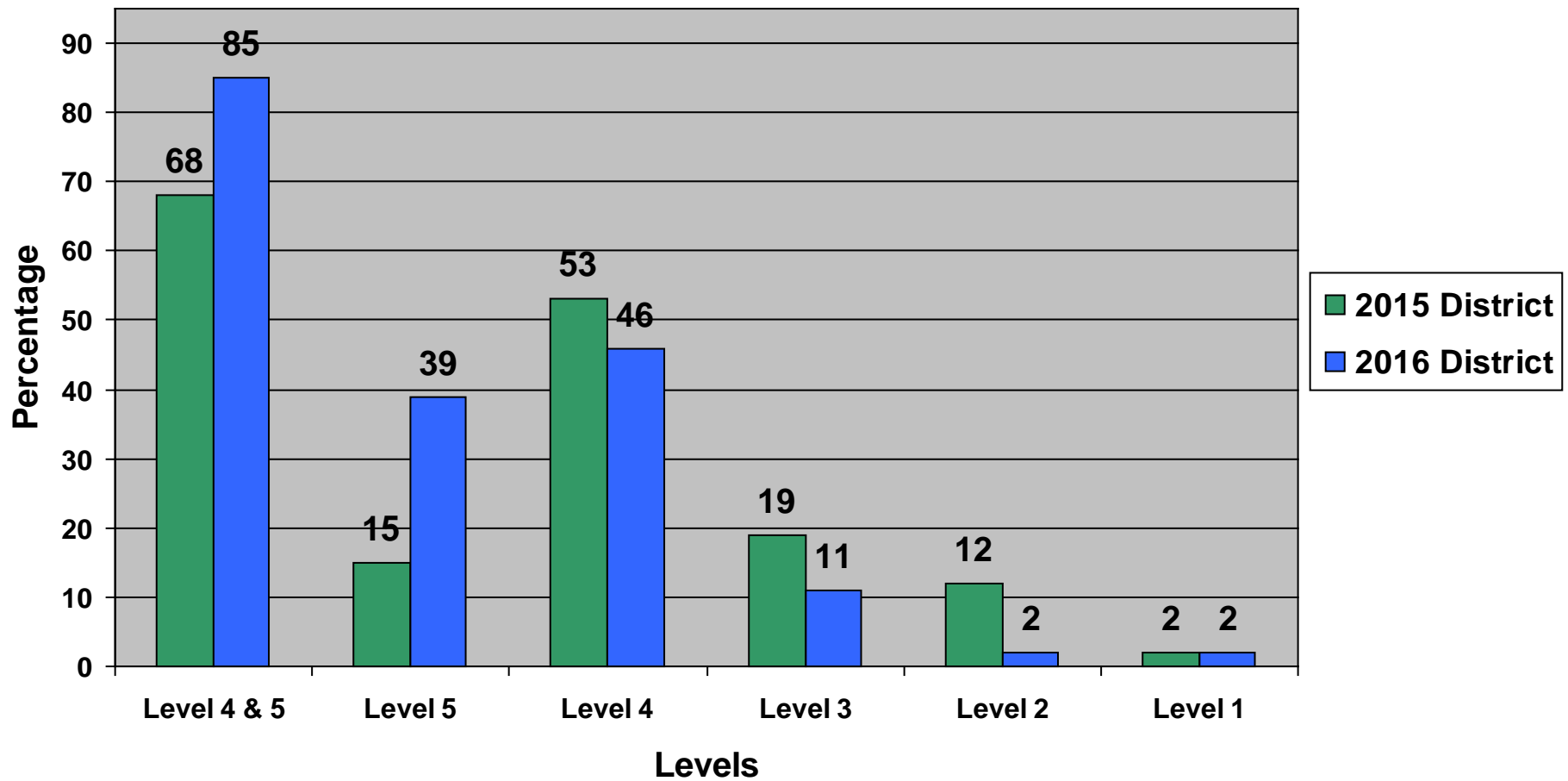
# Grade Eight ELA PARCC Data



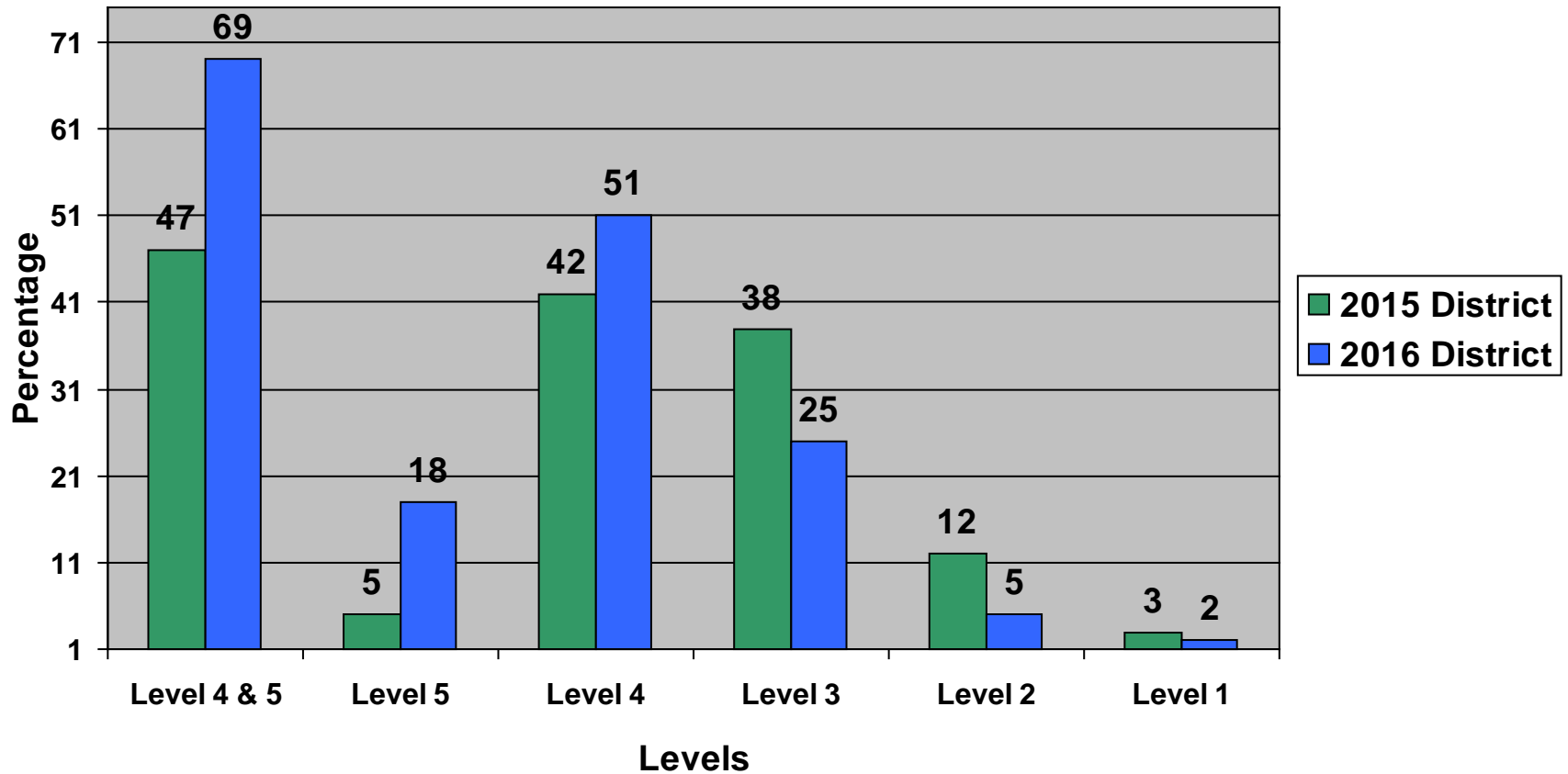
# English Language Arts Grade 10



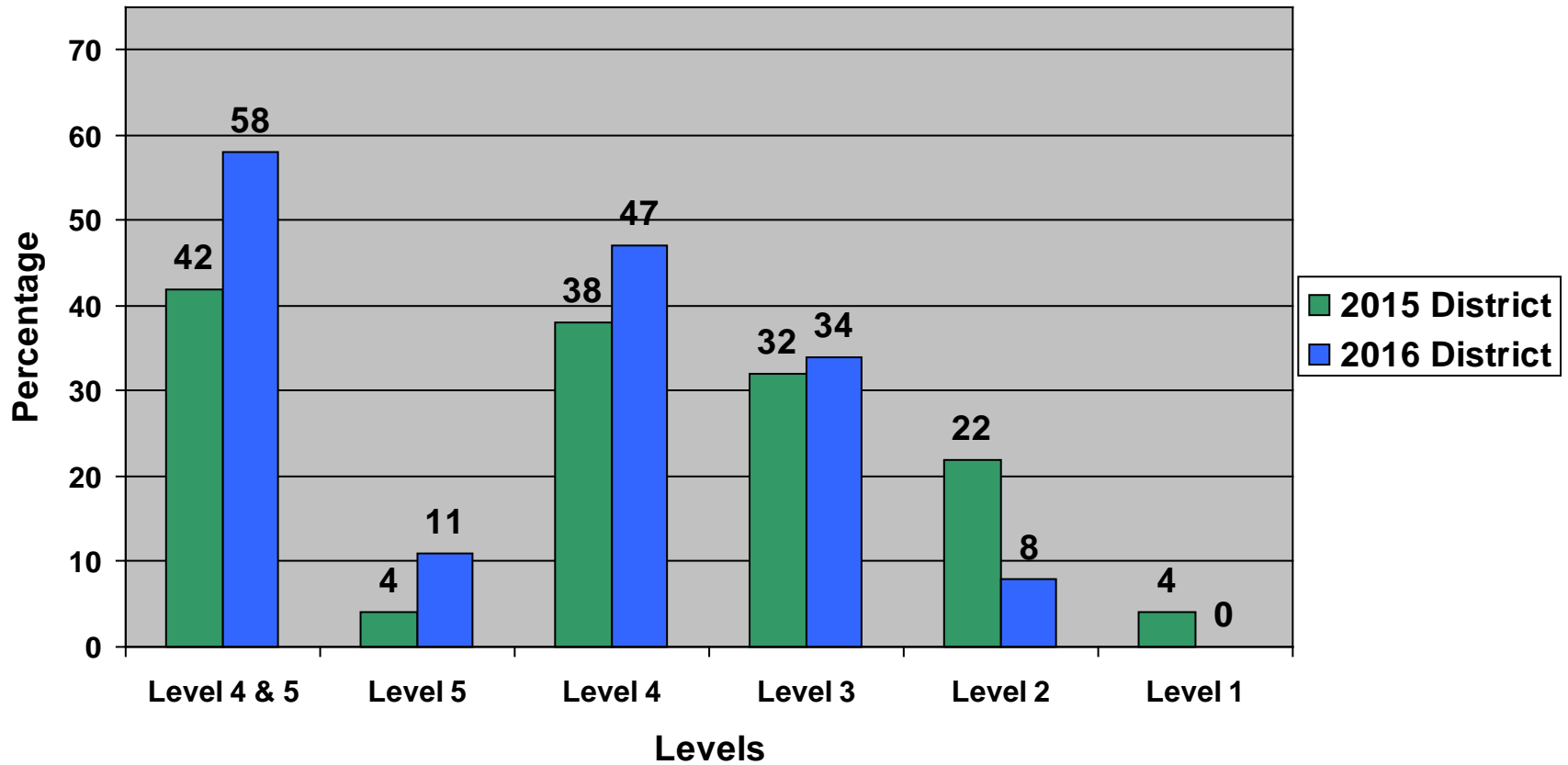
# Grade Three Math PARCC Data



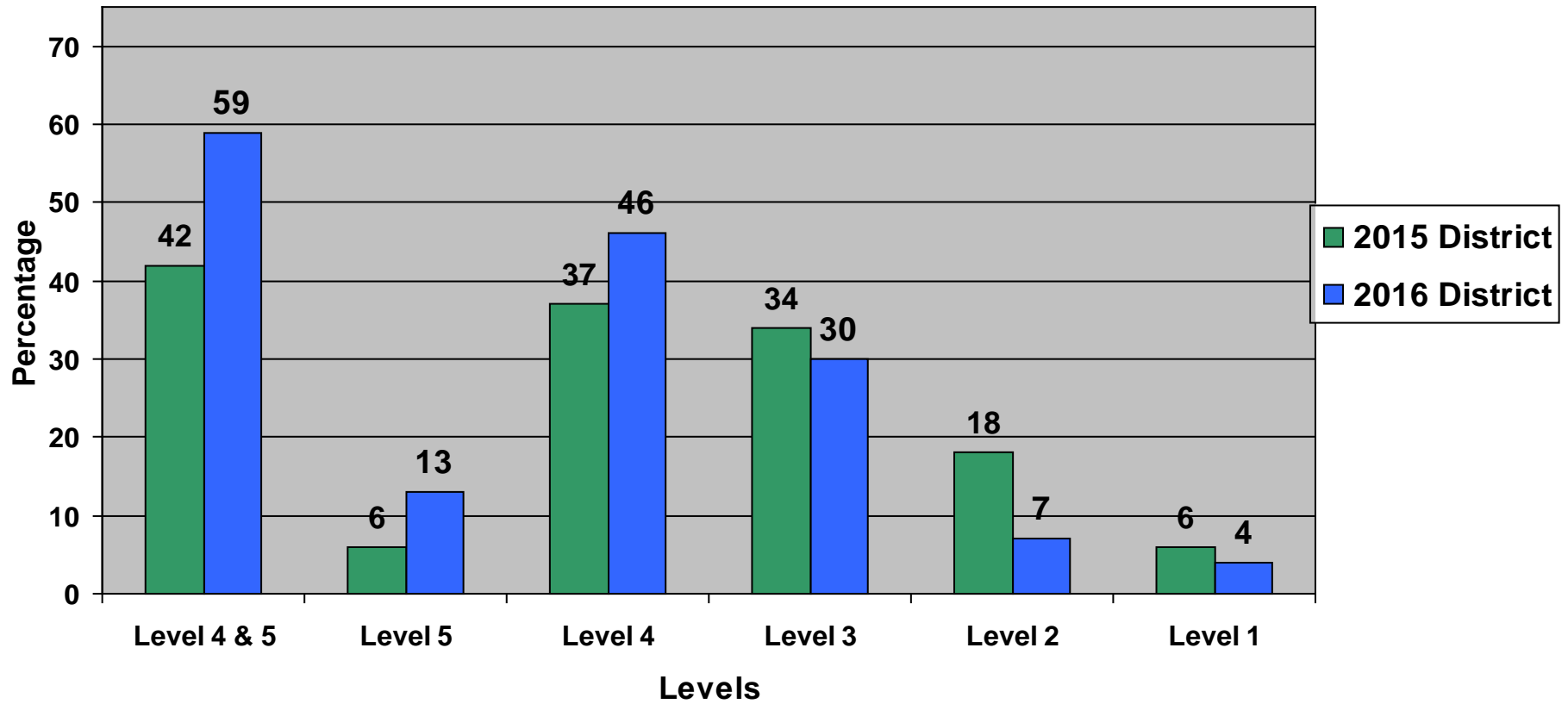
# Grade Four Math PARCC Data



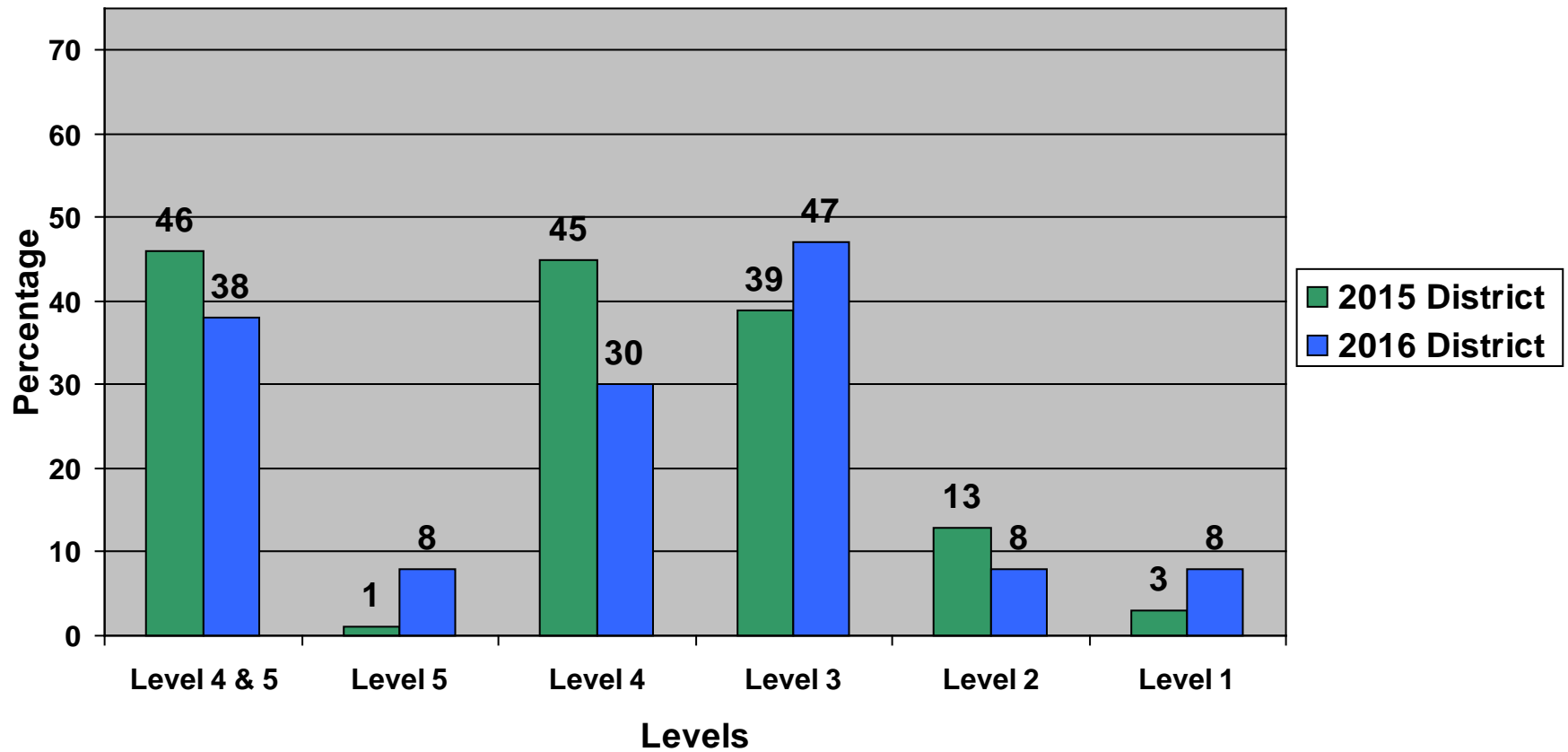
# Grade Five Math PARCC Data



# Grade Six Math PARCC Data

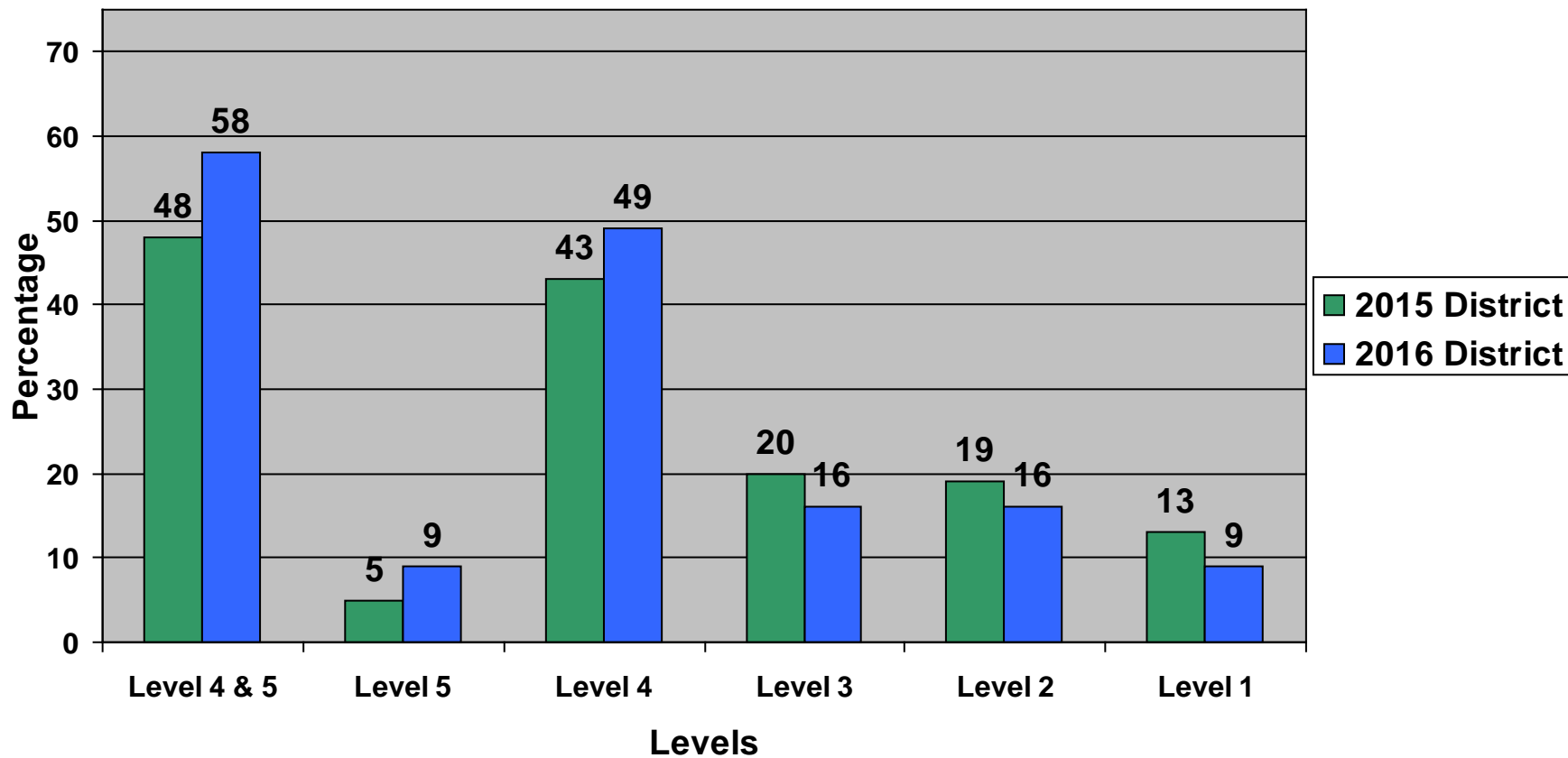


# Grade Seven Math PARCC Data



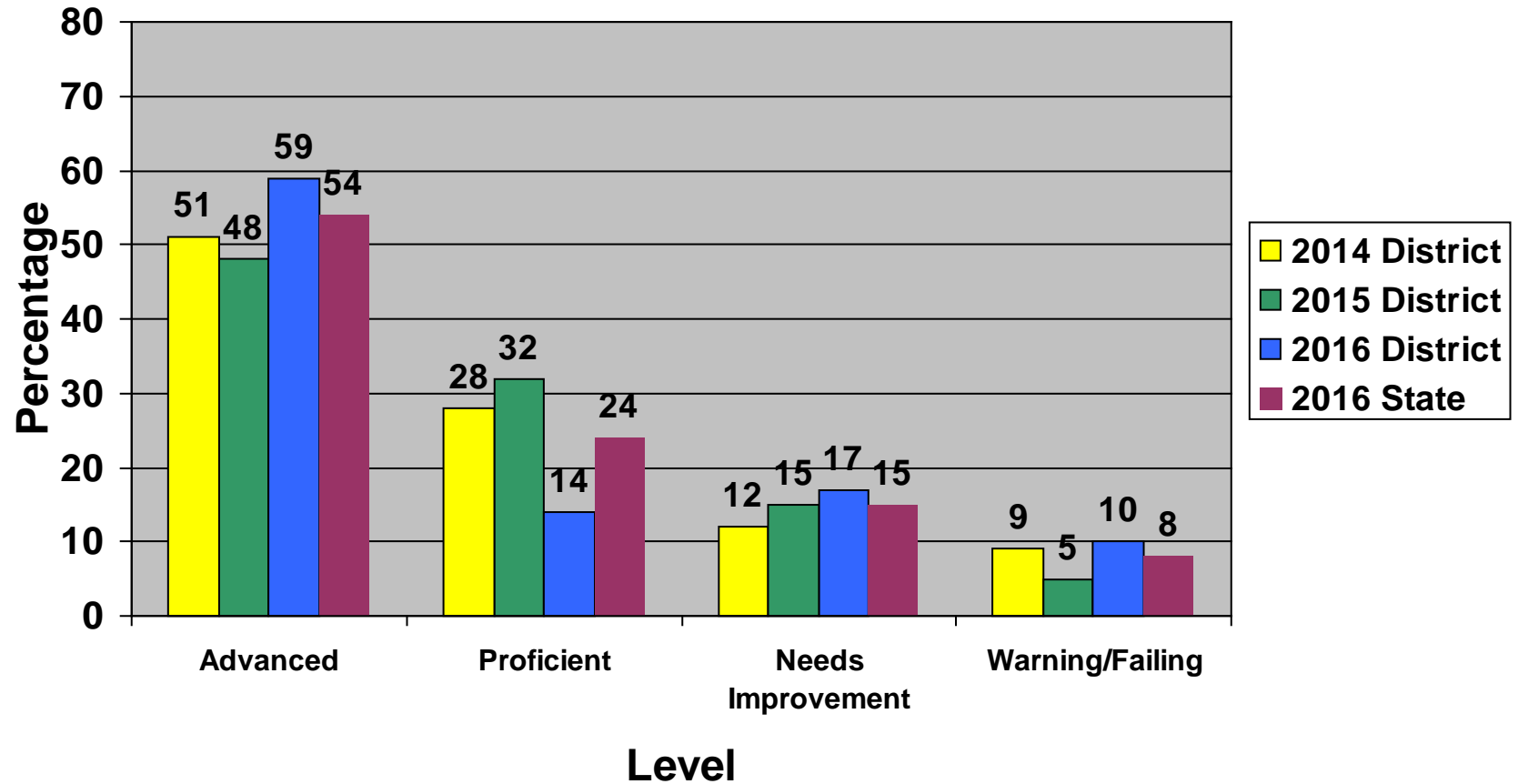


# Grade Eight Math PARCC Data

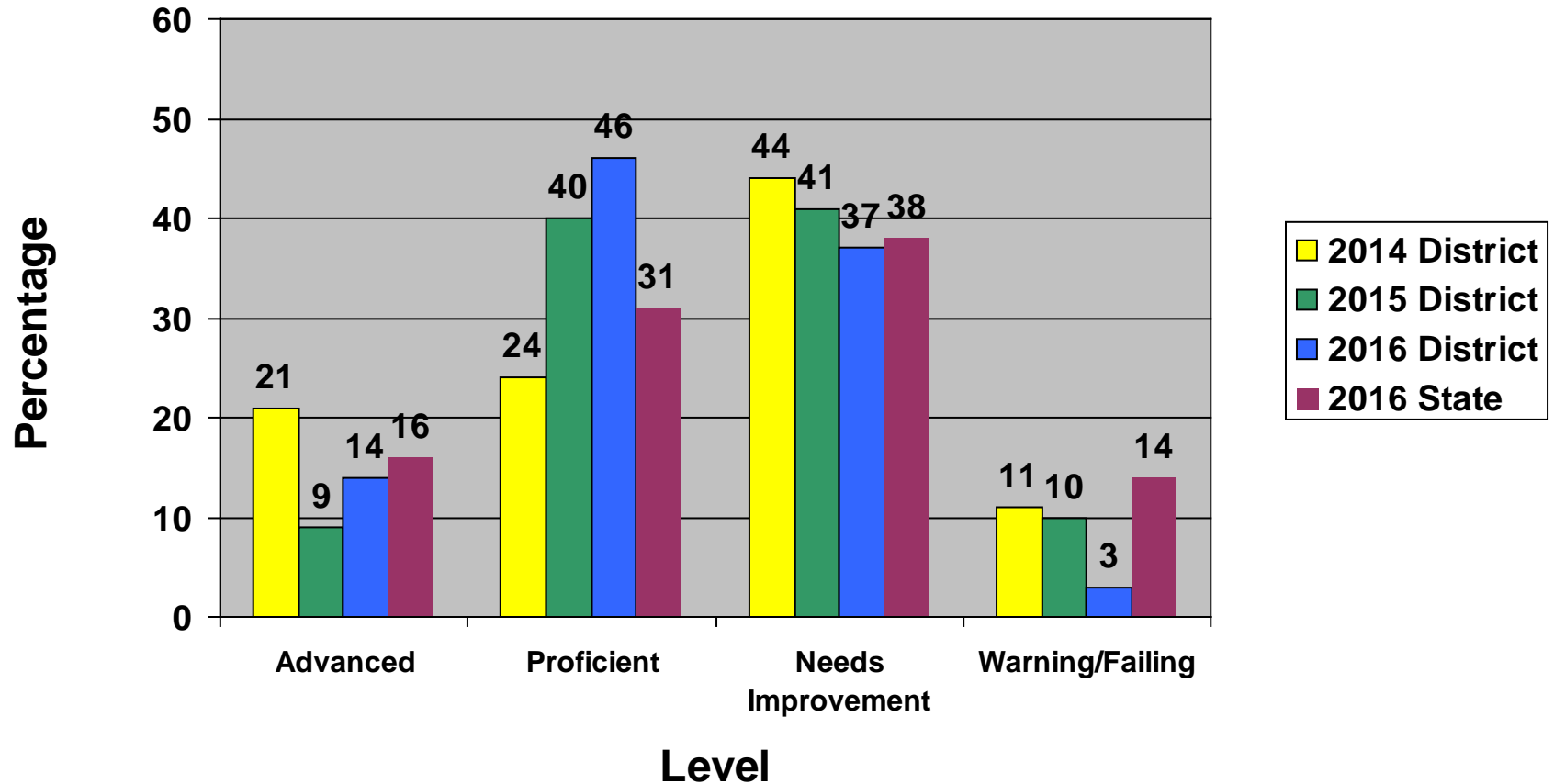


# Mathematics

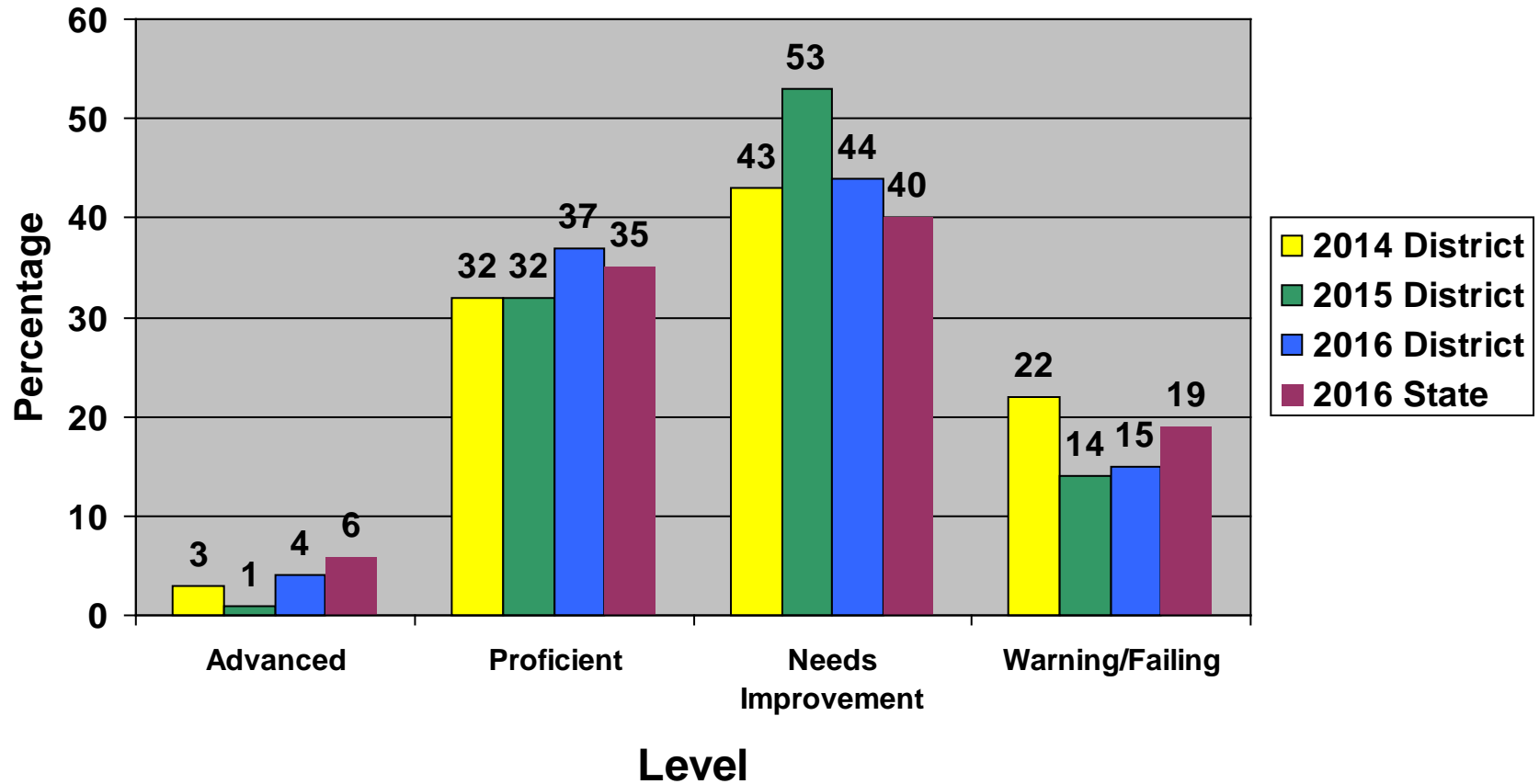
## Grade 10



# Science & Technology/Engineering Grade 5

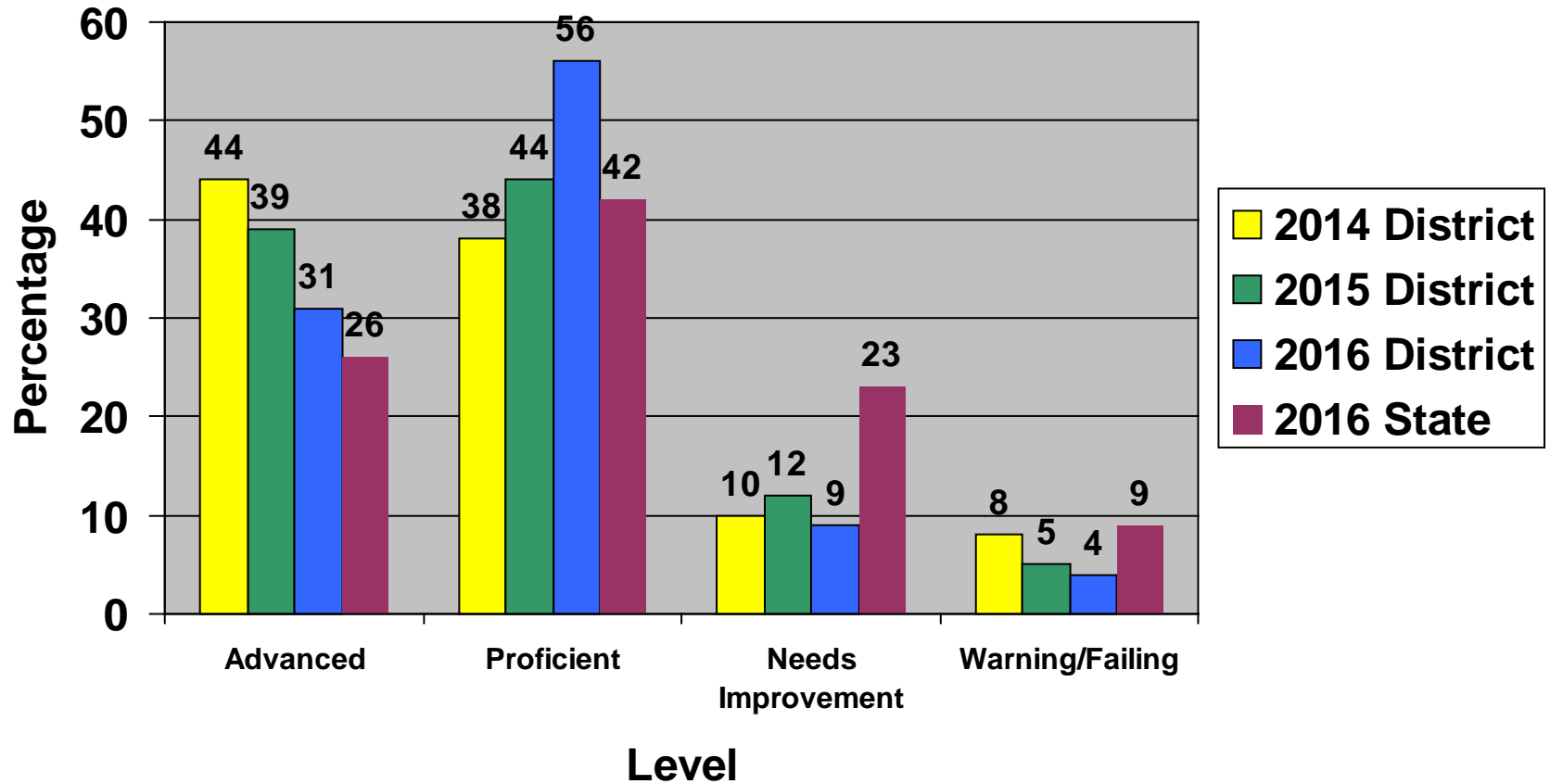


# Science & Technology/Engineering Grade 8



# Introductory Physics

## Grade 9



**PARCC DARTs**  
**Grades 3 – 8**  
**English Language Arts**  
**Meeting Expectations (Level 5 & Level 4)**

<b>District</b>	<b>2014-2015</b>	<b>2015-2016</b>	<b>Variation</b>
<b>Hull</b>	<b>58%</b>	<b>73%</b>	<b>+15%</b>
<b>Central Berkshire</b>	<b>54%</b>	<b>44%</b>	<b>-10%</b>
<b>Gateway</b>	<b>52%</b>	<b>60%</b>	<b>+8%</b>
<b>Monson</b>	<b>44%</b>	<b>51%</b>	<b>+7%</b>
<b>Pioneer Valley</b>	<b>54%</b>	<b>53%</b>	<b>-1%</b>
<b>Quaboag Regional</b>	<b>50%</b>	<b>54%</b>	<b>+4%</b>
<b>Ralph C. Mahar</b>	<b>35%</b>	<b>32%</b>	<b>-3%</b>

\* 2014-2015 DART districts (2015-2016 districts not released to date)

**PARCC DARTs**  
**Grades 3 – 8**  
**Mathematics**  
**Meeting Expectations (Level 5 & Level 4)**

<b>District</b>	<b>2014-2015</b>	<b>2015-2016</b>	<b>Variation</b>
<b>Hull</b>	<b>48%</b>	<b>60%</b>	<b>+12%</b>
<b>Central Berkshire</b>	<b>49%</b>	<b>41%</b>	<b>-8%</b>
<b>Gateway</b>	<b>42%</b>	<b>49%</b>	<b>+7%</b>
<b>Monson</b>	<b>37%</b>	<b>41%</b>	<b>+4%</b>
<b>Pioneer Valley</b>	<b>45%</b>	<b>51%</b>	<b>+6%</b>
<b>Quaboag Regional</b>	<b>48%</b>	<b>49%</b>	<b>+1%</b>
<b>Ralph C. Mahar</b>	<b>40%</b>	<b>40%</b>	<b>-</b>

\* 2014-2015 DART Districts (2015-2016 districts not released to date)

# **Hull Public Schools**

## **MCAS & PARCC Student Growth**



# **Growth Model**

Measurement of individual student progress on MCAS/PARCC by tracking the scores of academic peers from one year to the next.

Each student's rate of change in performance is compared to other students' performance with a similar test score history (academic peers).

Typical student growth percentiles are between 40 and 60.

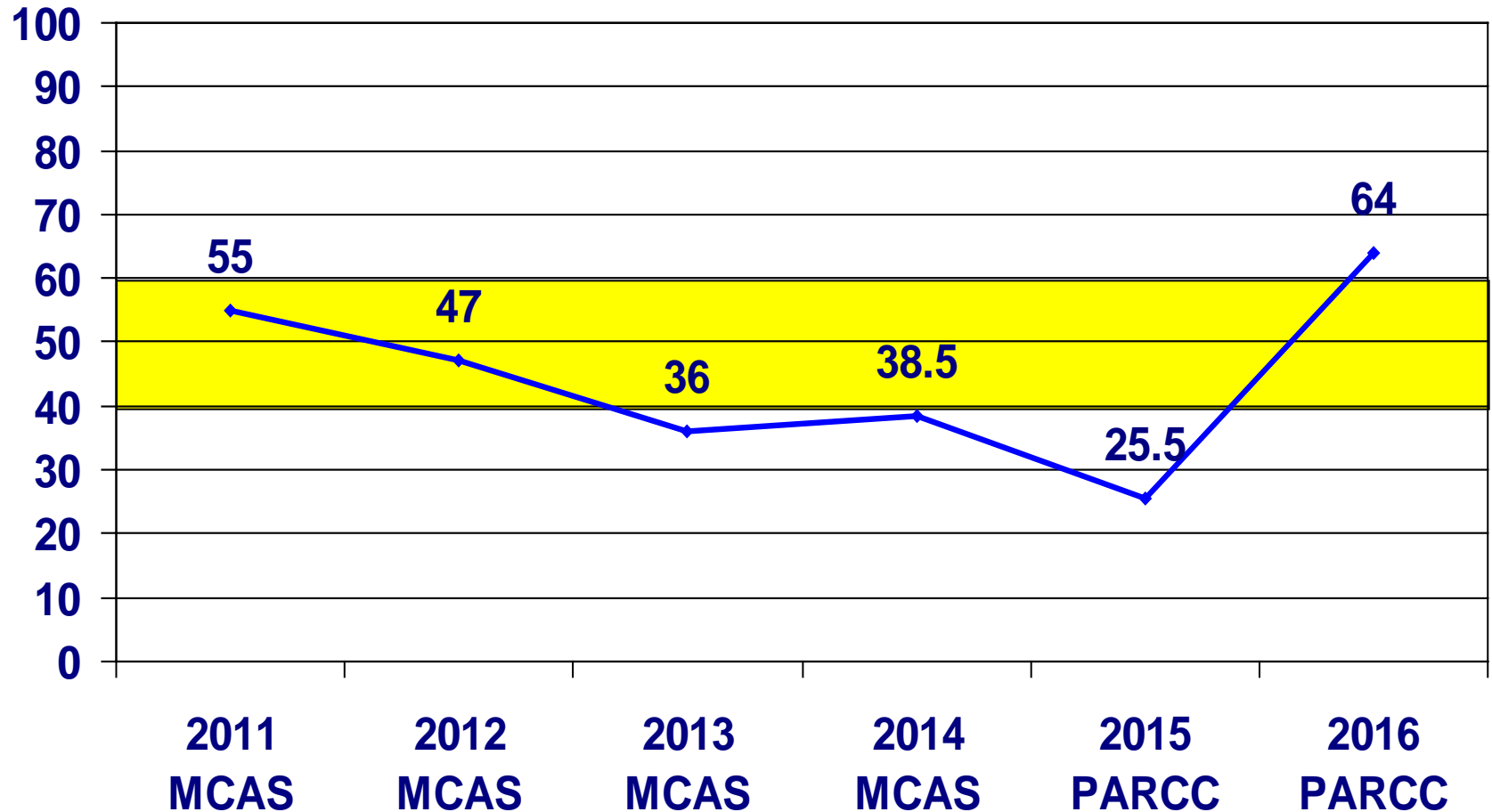
# **Median Student Growth Percentile**

The median student growth percentile is the midpoint of student growth percentiles for a group of students.

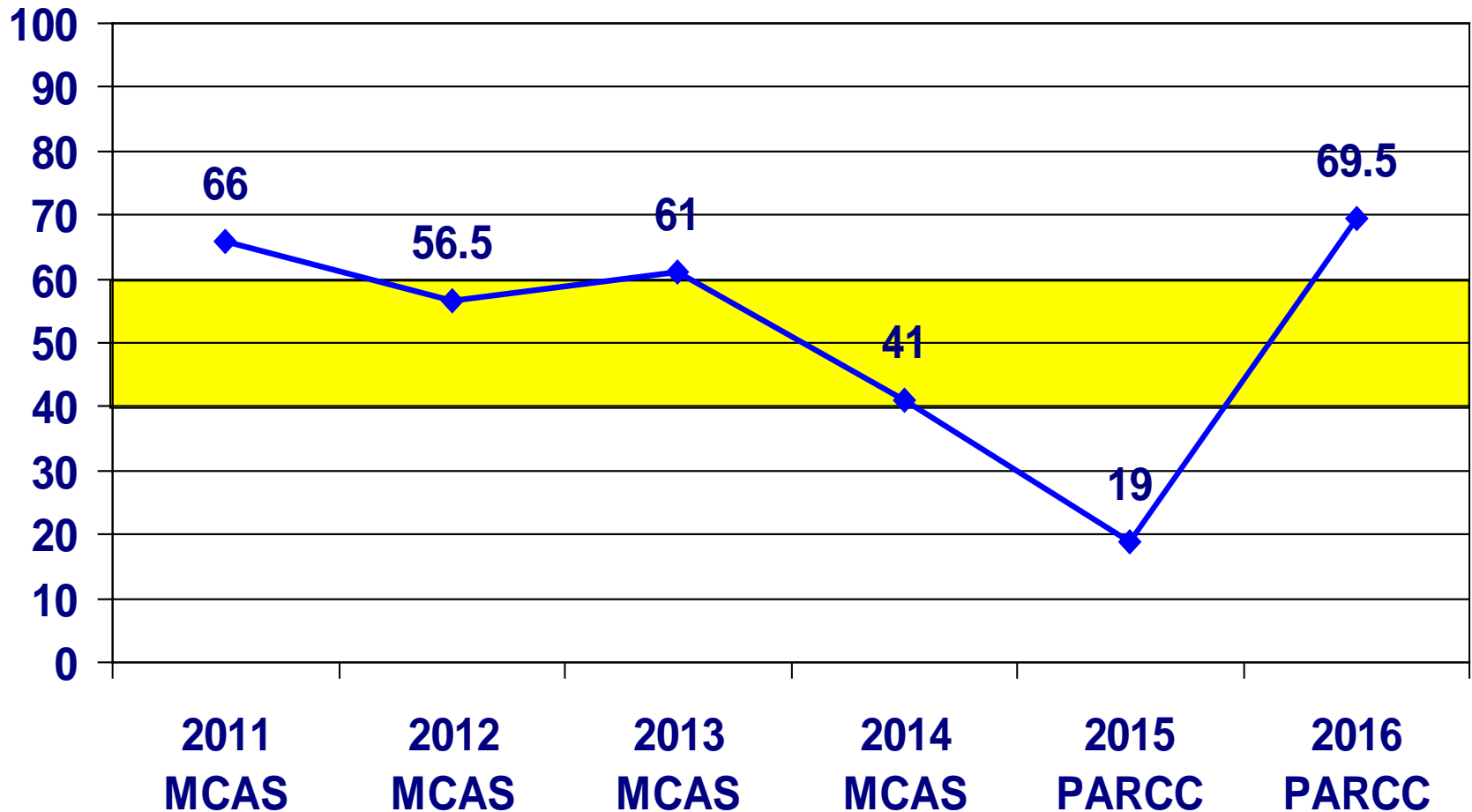
Median SGP is a measure of central tendency.

Half of the students had student growth percentiles higher than the median and half had lower.

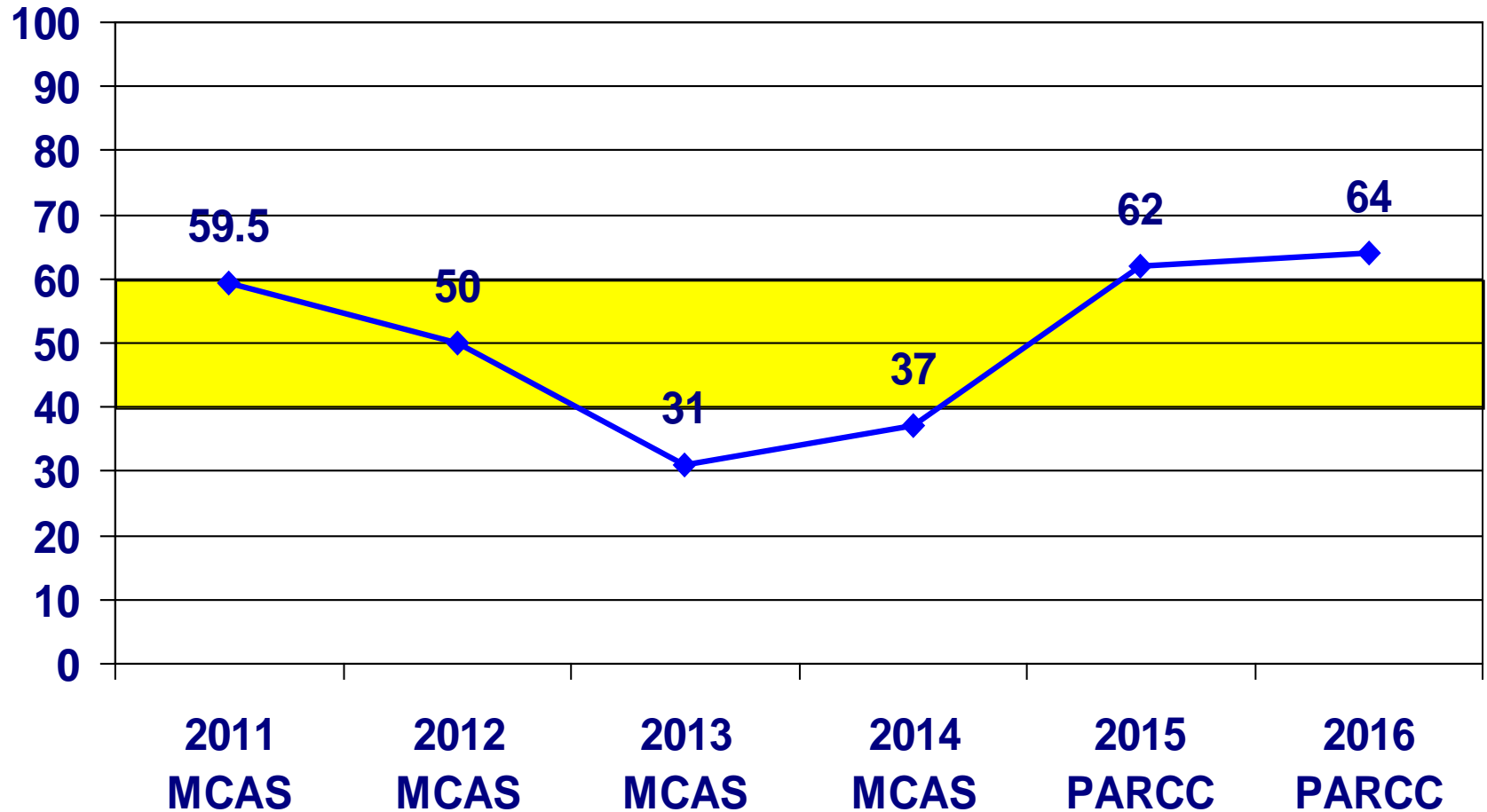
# Median SGP - English Language Arts Grade 4



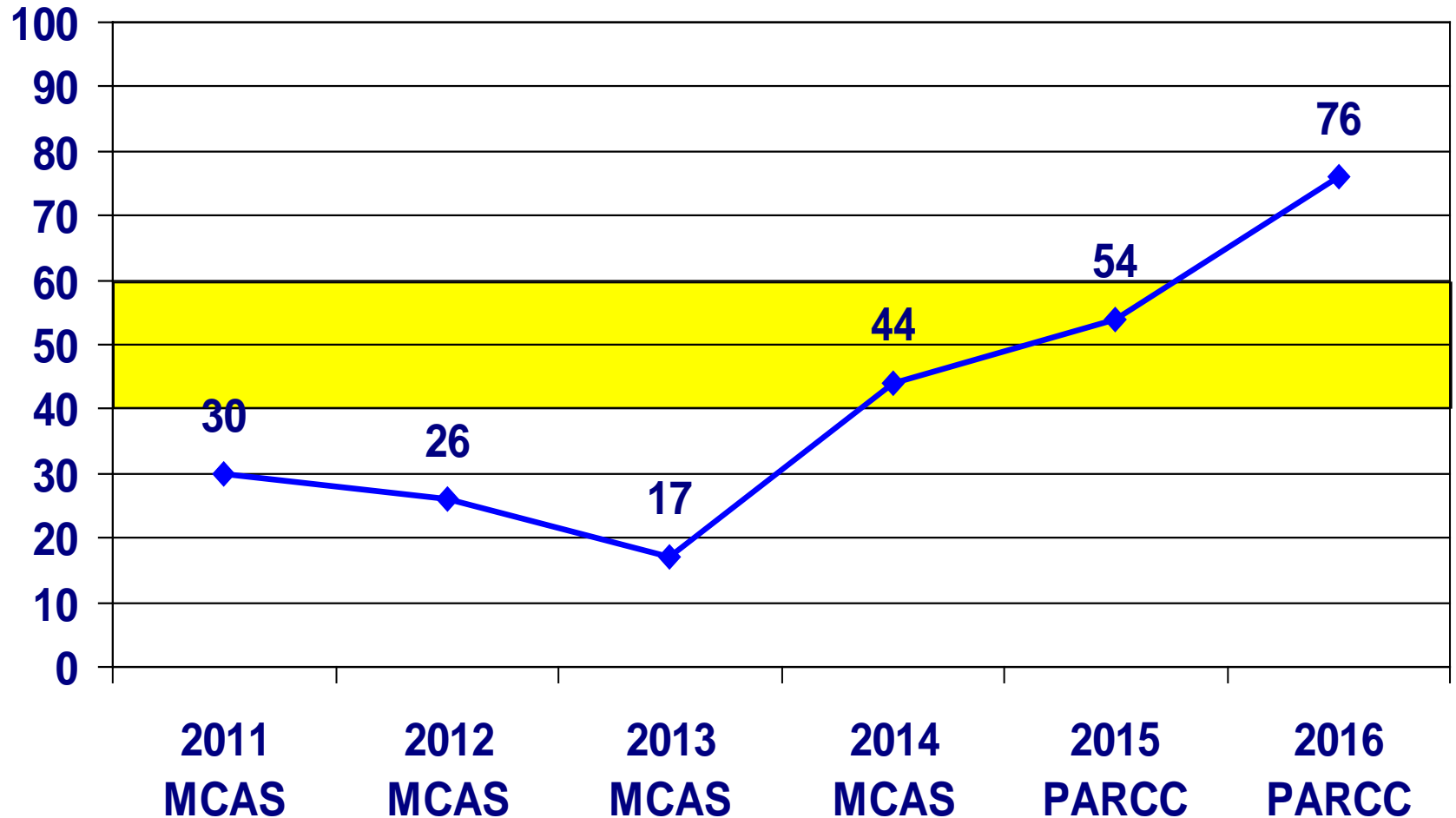
# Median SGP - English Language Arts Grade 5



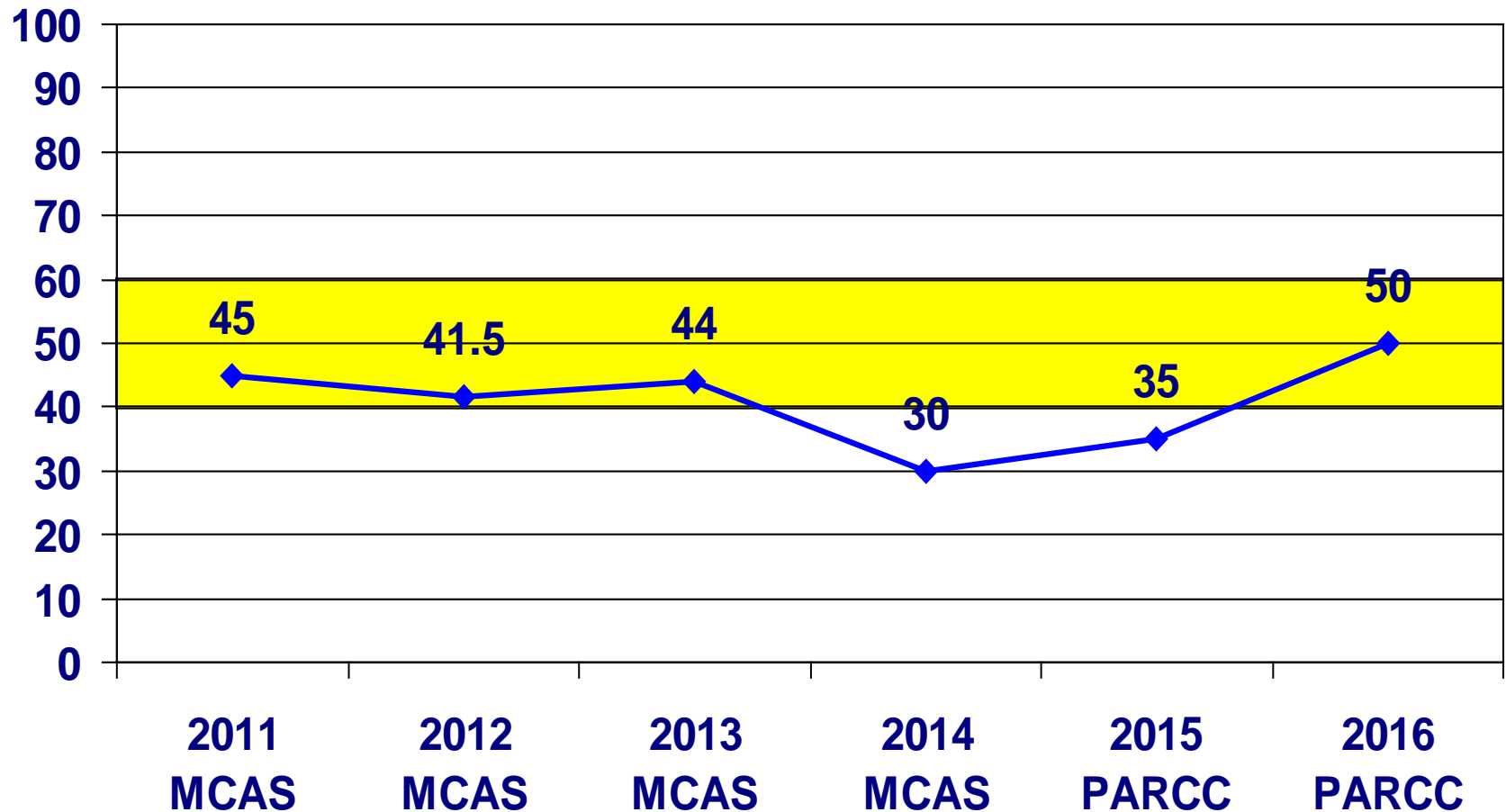
# Median SGP - English Language Arts Grade 6



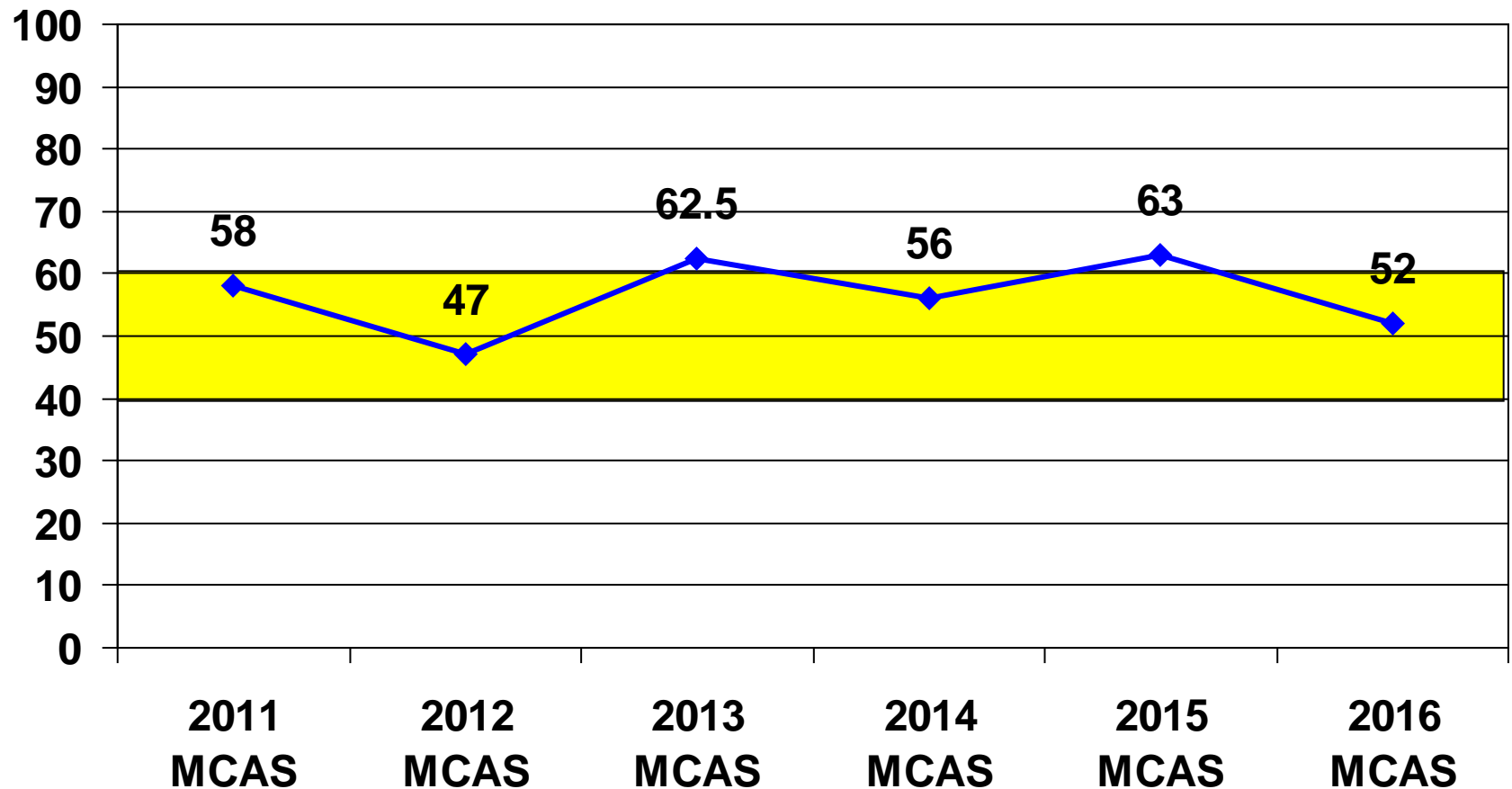
# Median SGP - English Language Arts Grade 7



# Median SGP - English Language Arts Grade 8



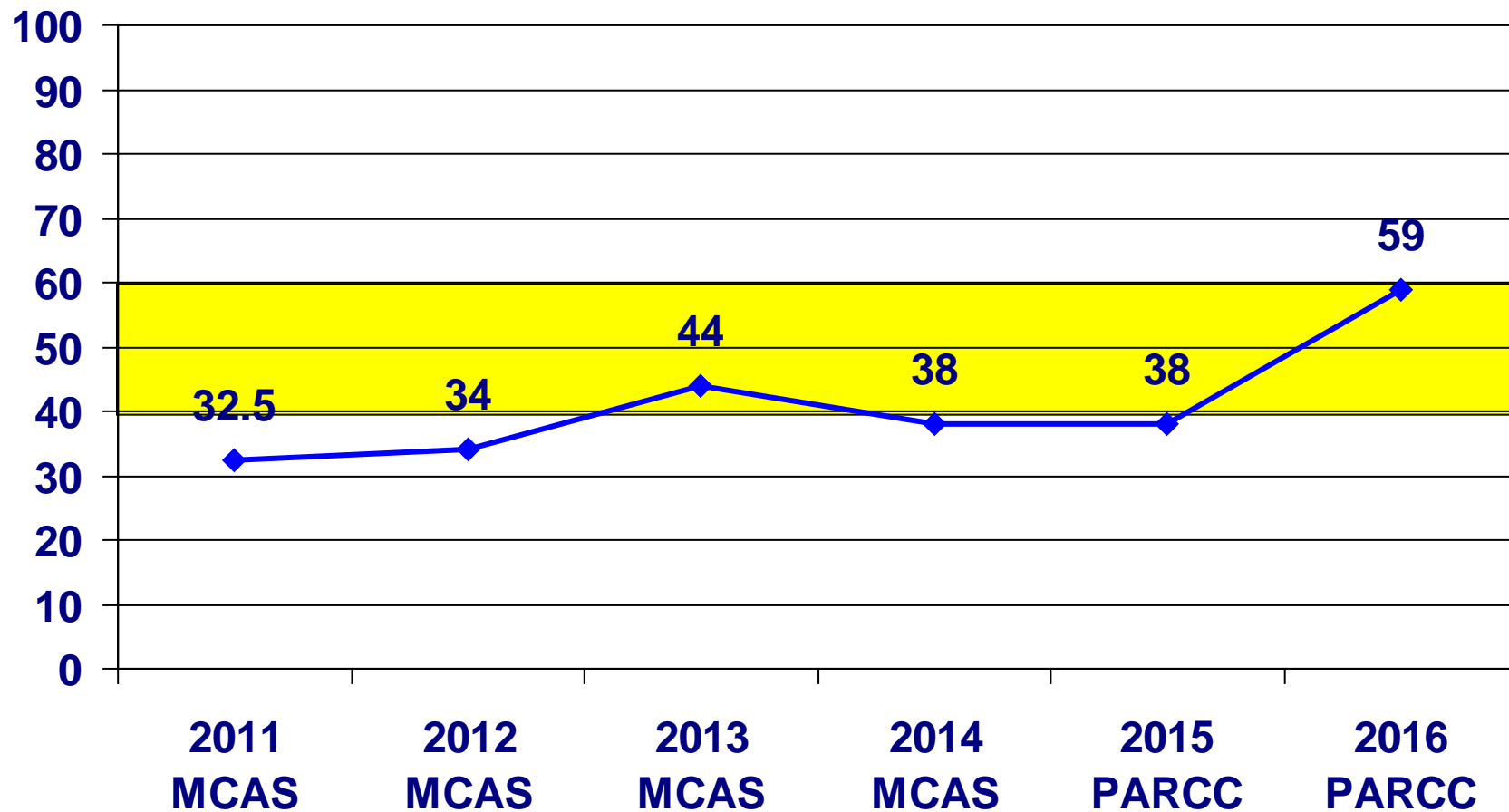
# Median SGP - English Language Arts Grade 10



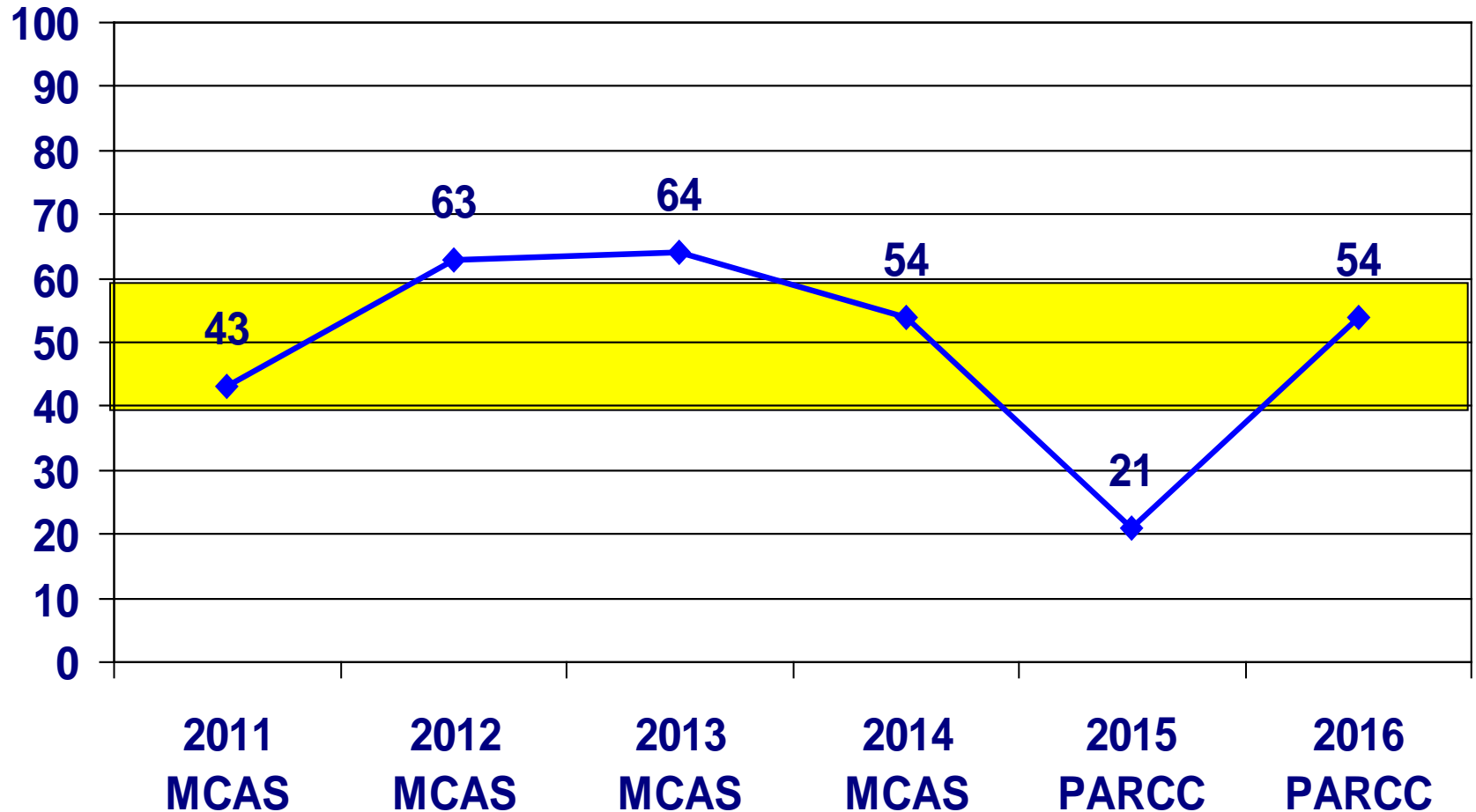


# Median SGP – Mathematics

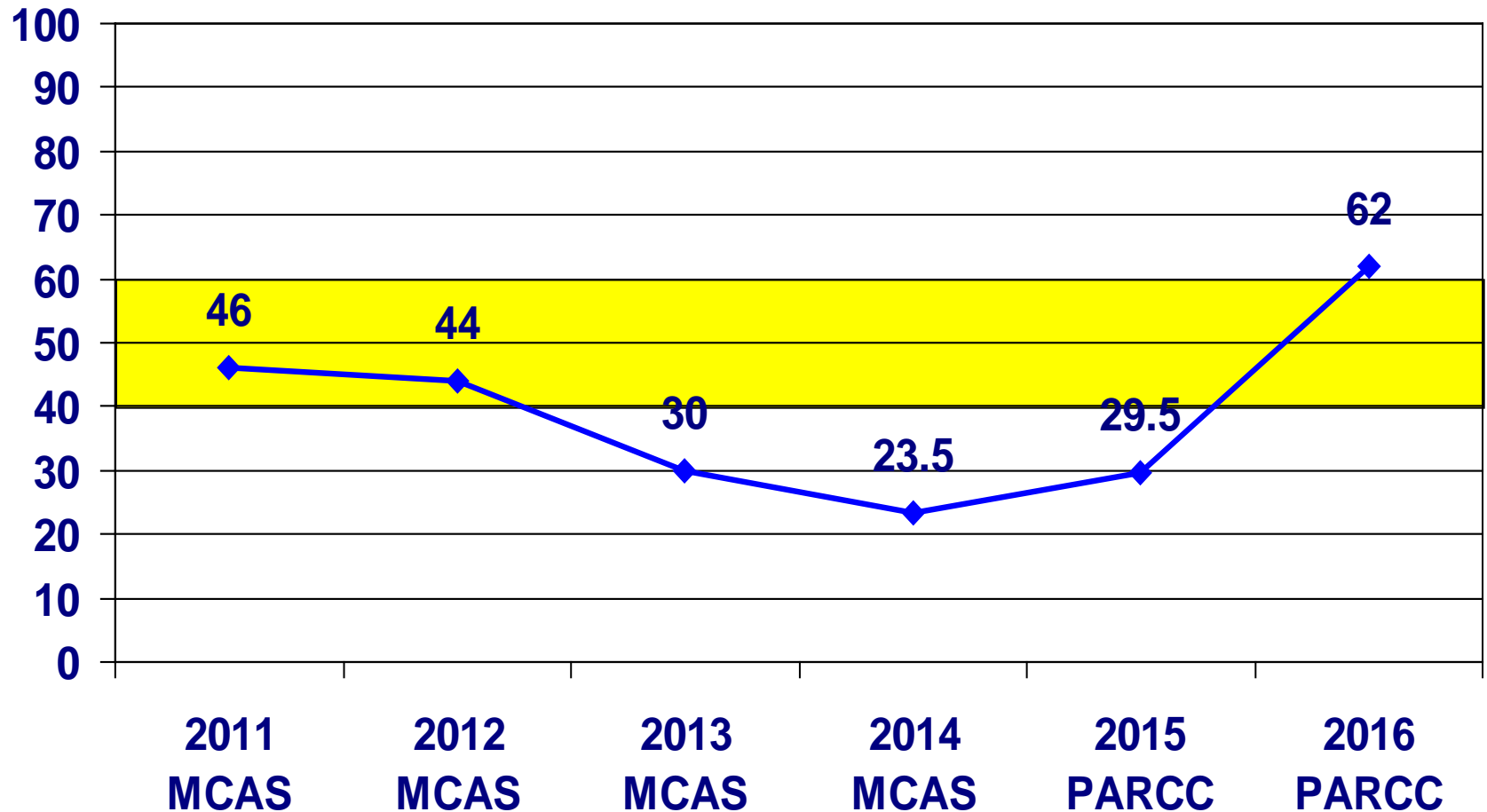
## Grade 4



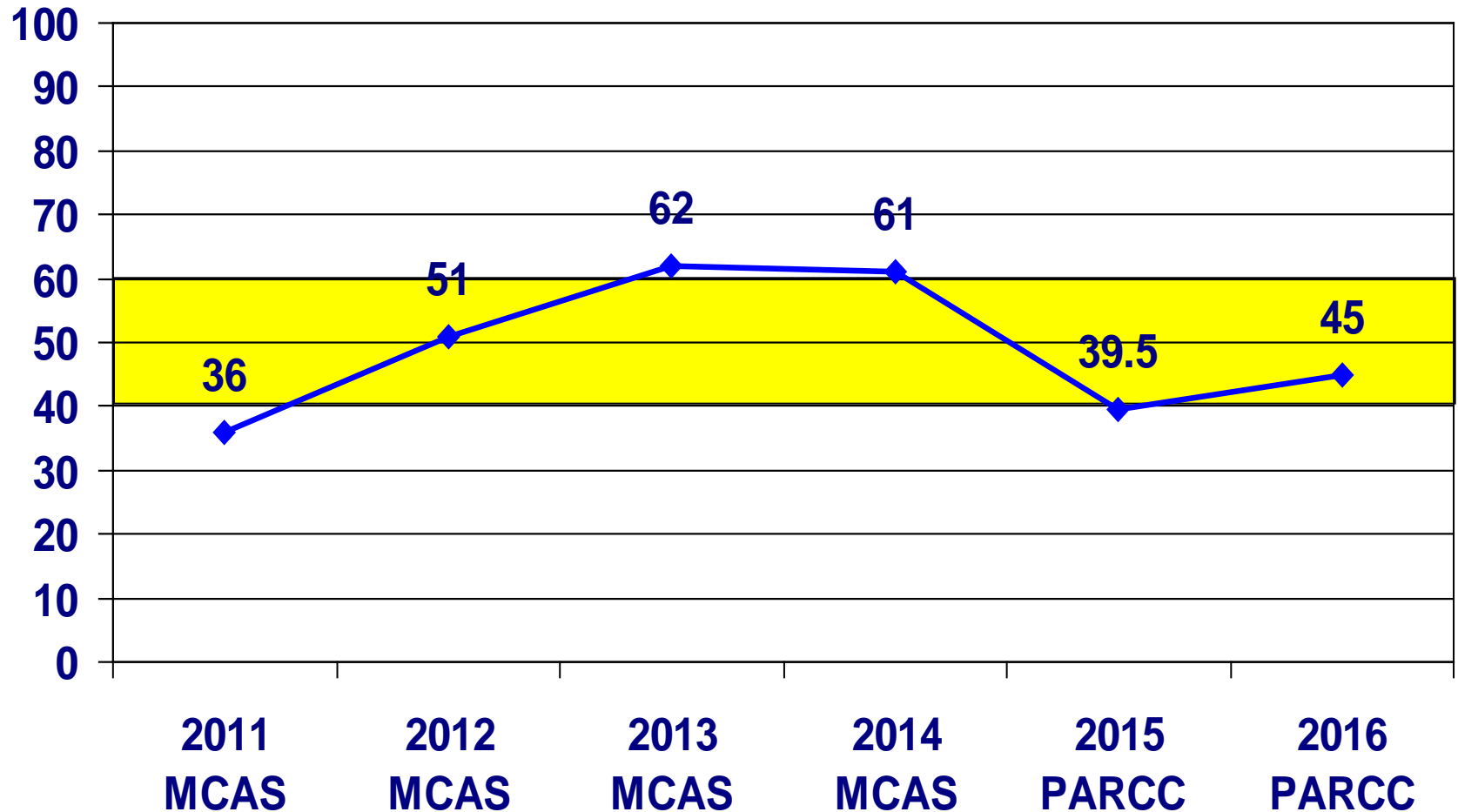
# Median SGP – Mathematics Grade 5



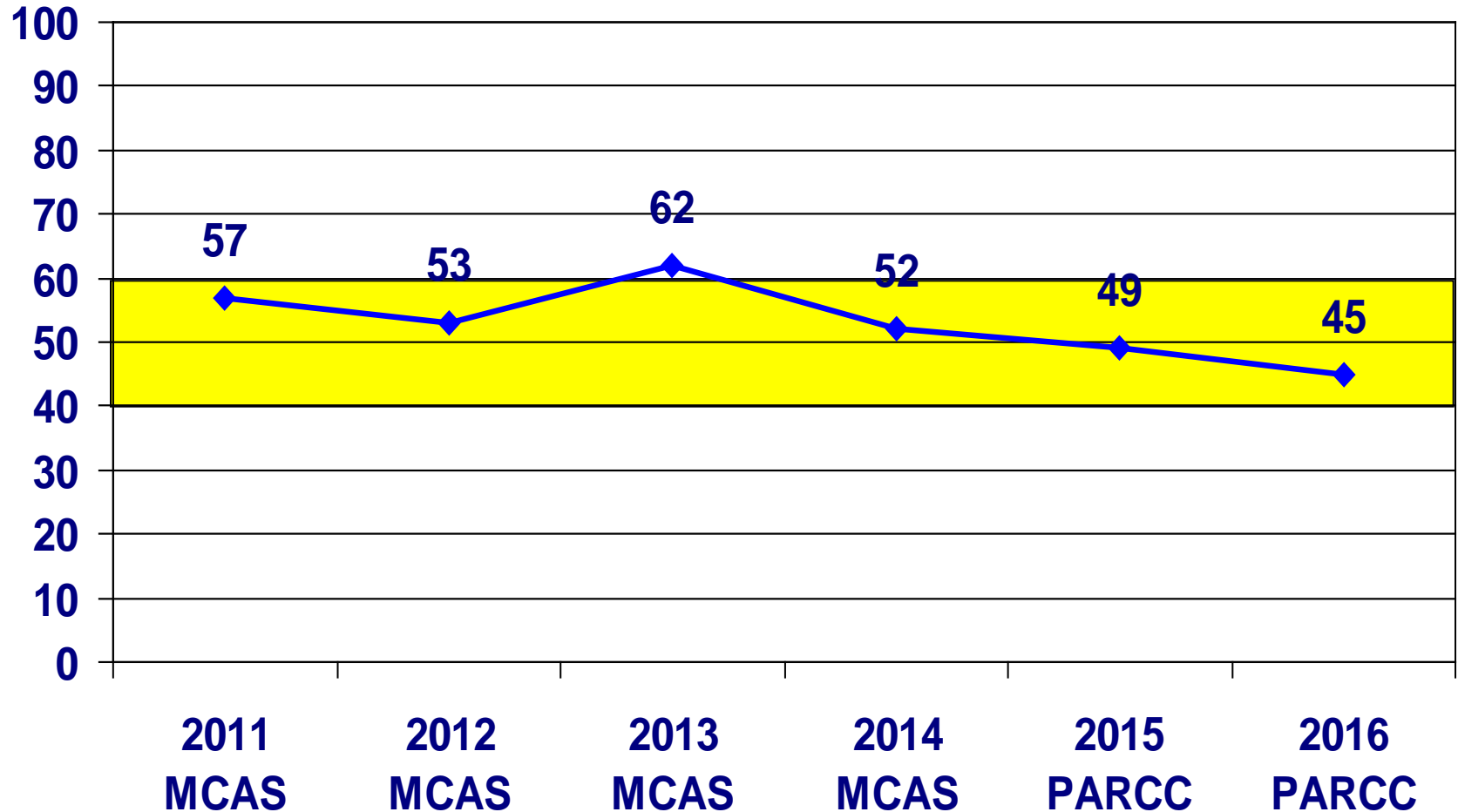
# Median SGP – Mathematics Grade 6



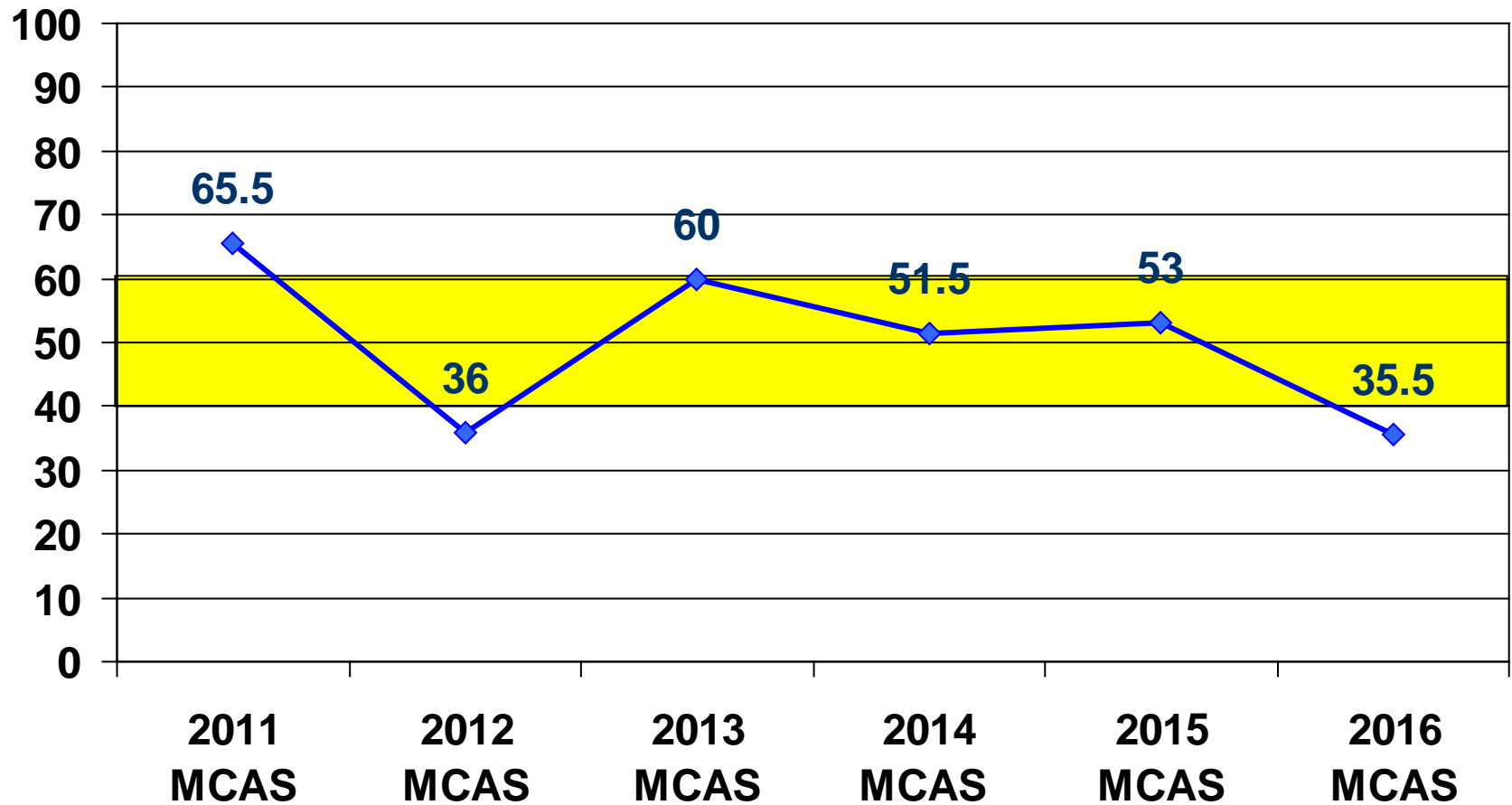
# Median SGP – Mathematics Grade 7



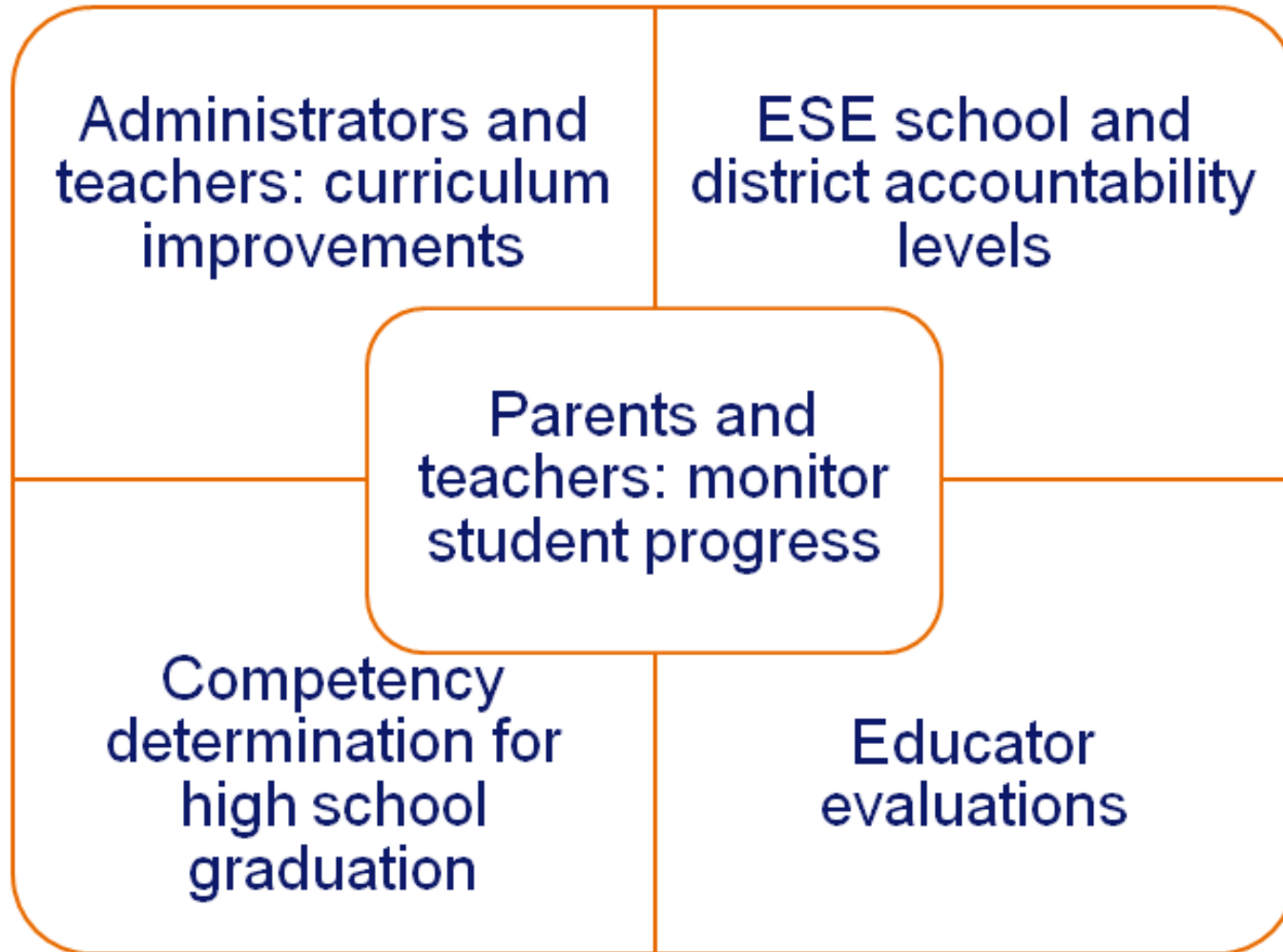
# Median SGP – Mathematics Grade 8



# Median SGP - Mathematics Grade 10



# Use of Student Assessment Results



# 2016 Accountability Levels

Hull High School	Level 2
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Memorial Middle School	Level 2
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Jacobs Elementary School	Level 1
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**Anchors aweigh!**  
**We are on a course of**  
**continuous academic**  
**achievement for**  
**all**  
**students!**