

Hull Public Schools MCAS Presentation

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October 11, 2011

Presentation Outline

- Student Growth Percentile - SGP
- Adequate Yearly Progress - AYP
- Performance Level Trends
- District Analysis and Review Tool - DART
- School Improvement Efforts
- District Improvement Efforts

Student Growth Percentile

SGP

Student Growth Percentile

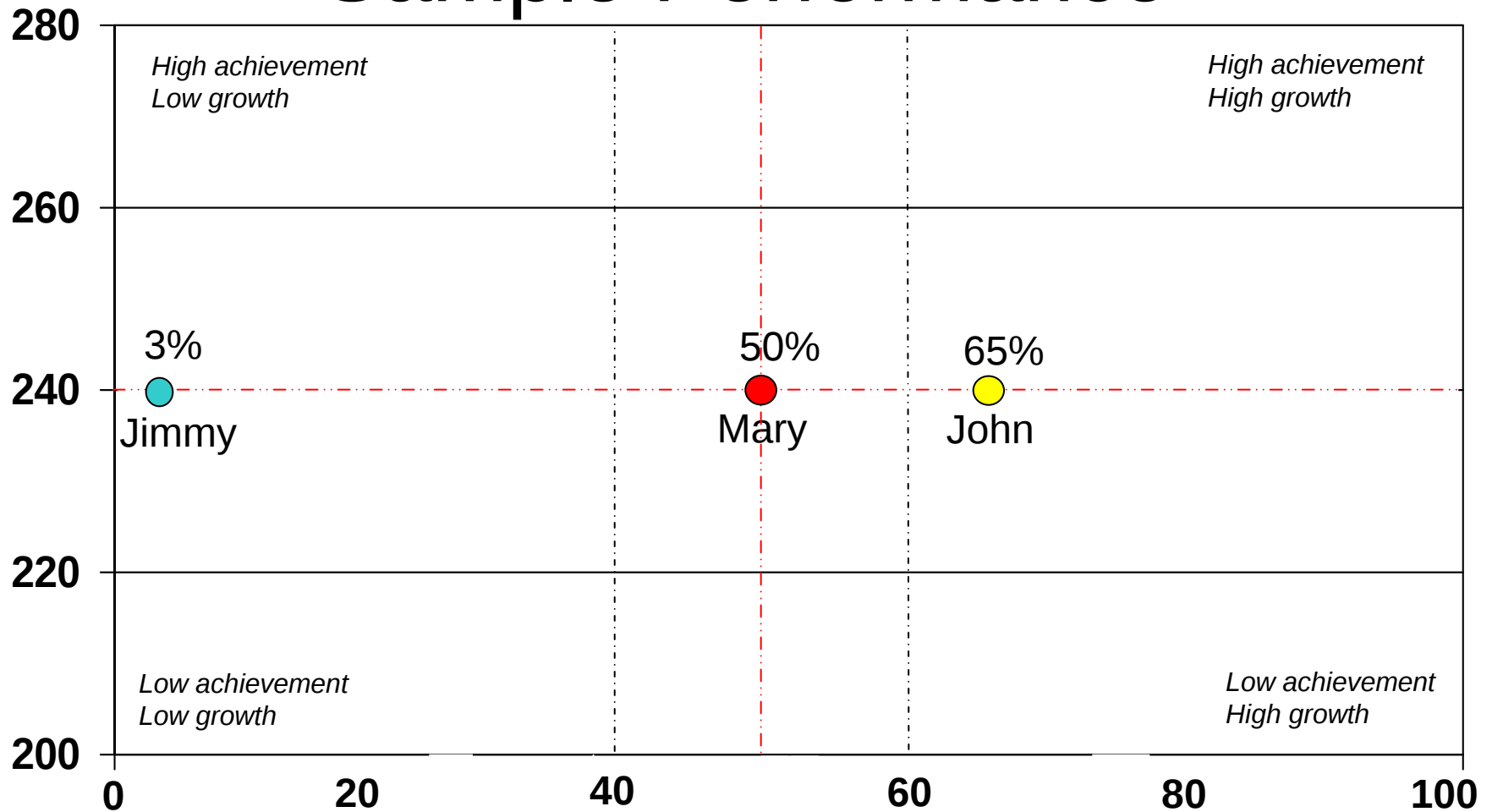
- Each student's rate of change in performance is compared to other students' performance with a similar test score history (academic peers).
- The rate of change is expressed as a percentile.
 - How much did John improve in mathematics from 5th grade to 6th grade, relative to his academic peers?
 - If John improved more than 65 percent of his academic peers improved, then his student growth percentile would be 65.

Student Growth Percentile Example

	ELA Scaled Score	SGP
John	240	65
Jimmy	240	3
Mary	240	50

Student Growth Percentile

Sample Performance



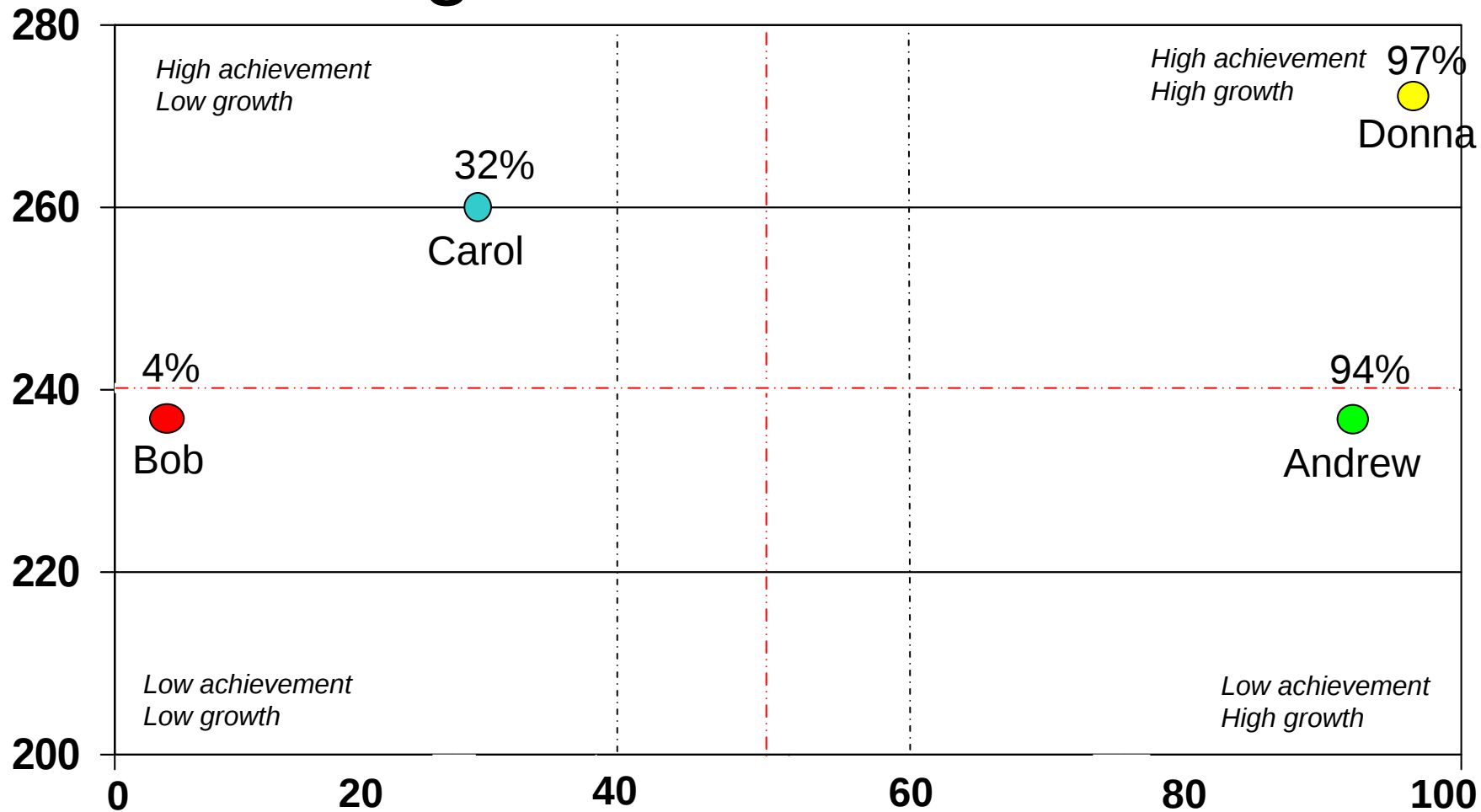
Student Growth Percentile Hull High School Actual Example

	ELA Scaled Score	SGP
*Andrew	236	94
*Bob	236	4
*Carol	260	32
*Donna	270	97

*Students' names changed

Student Growth Percentile

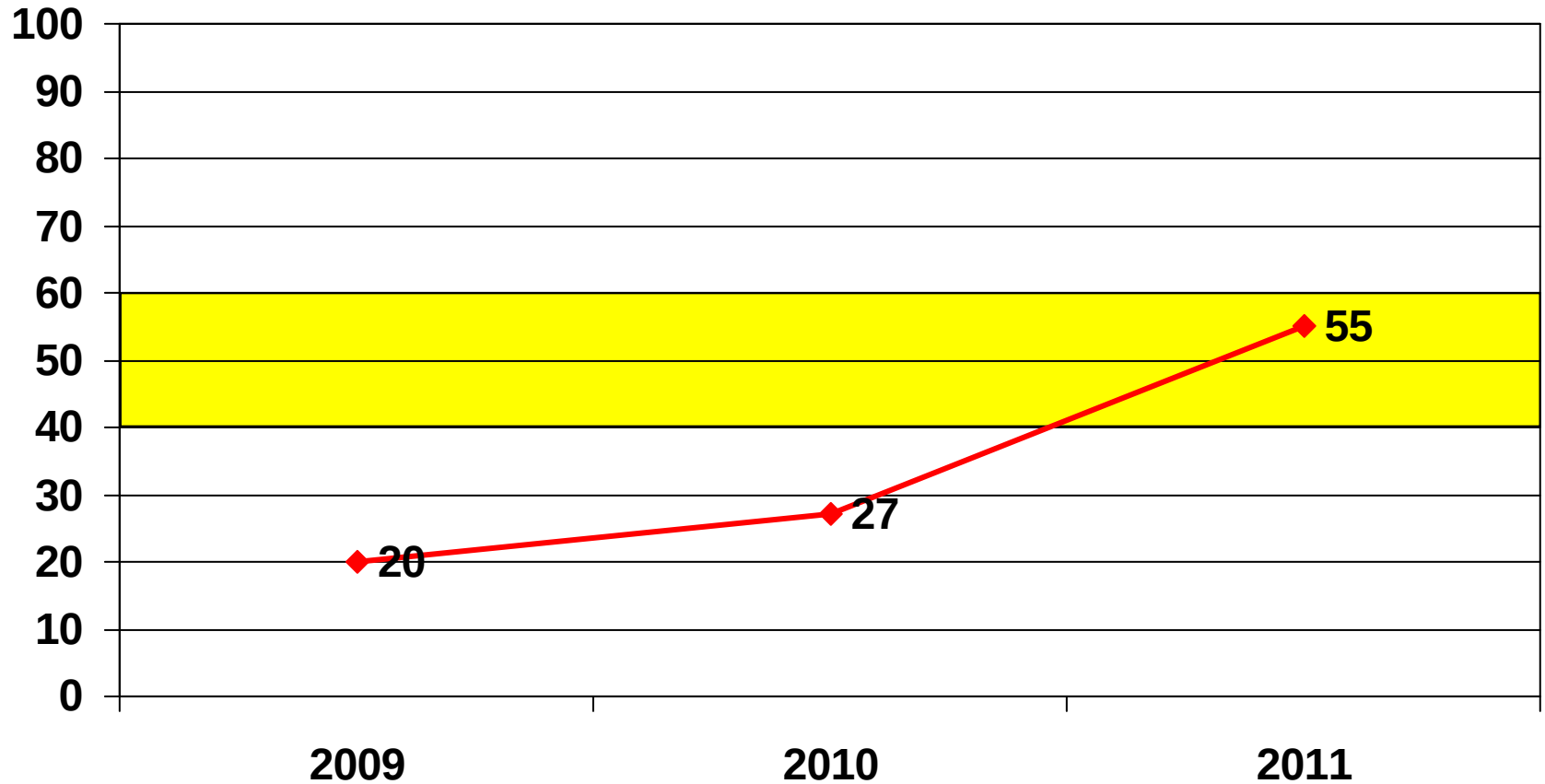
Hull High School Performance



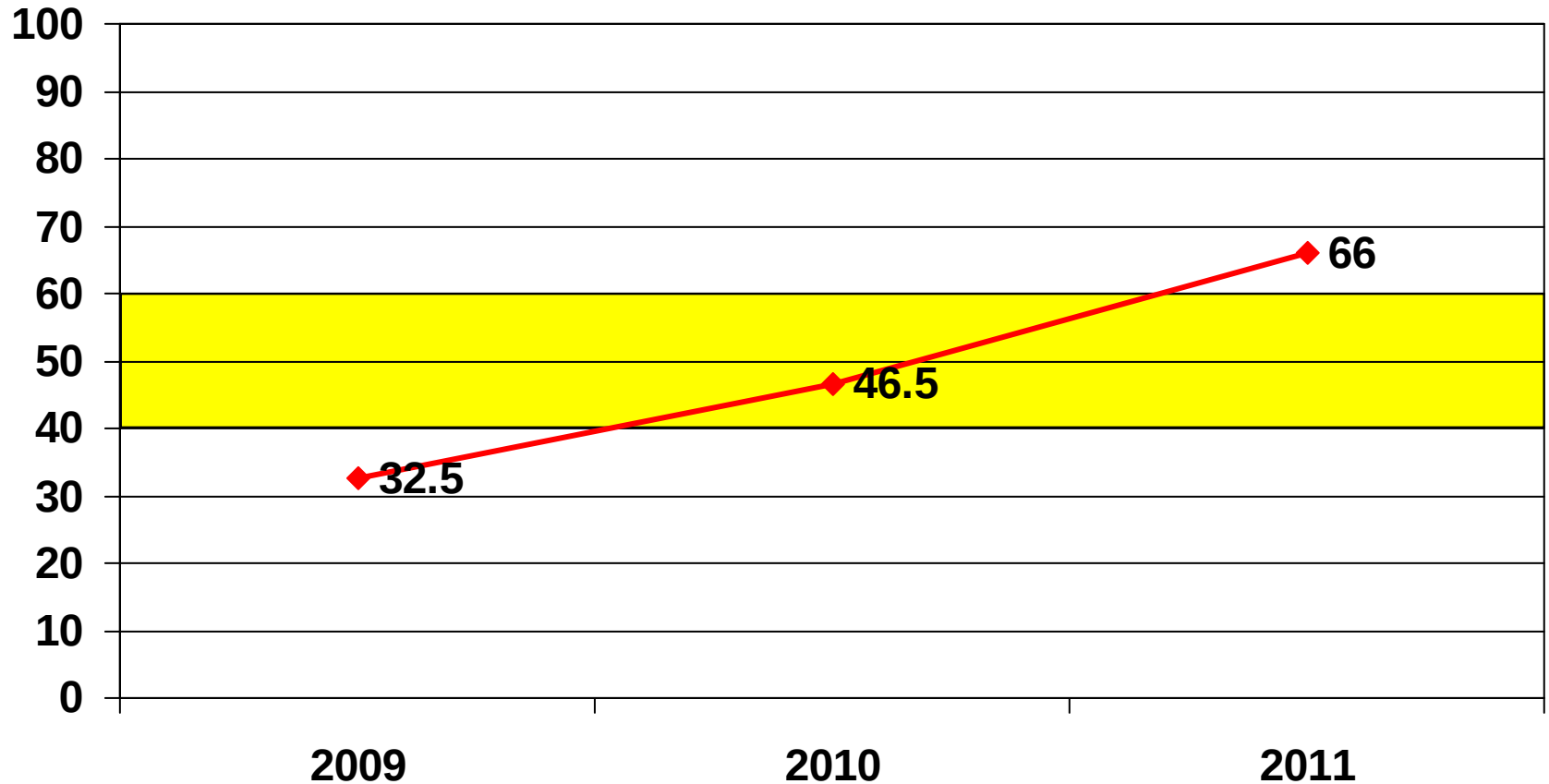
Hull Public Schools Student Growth

English Language Arts
Mathematics

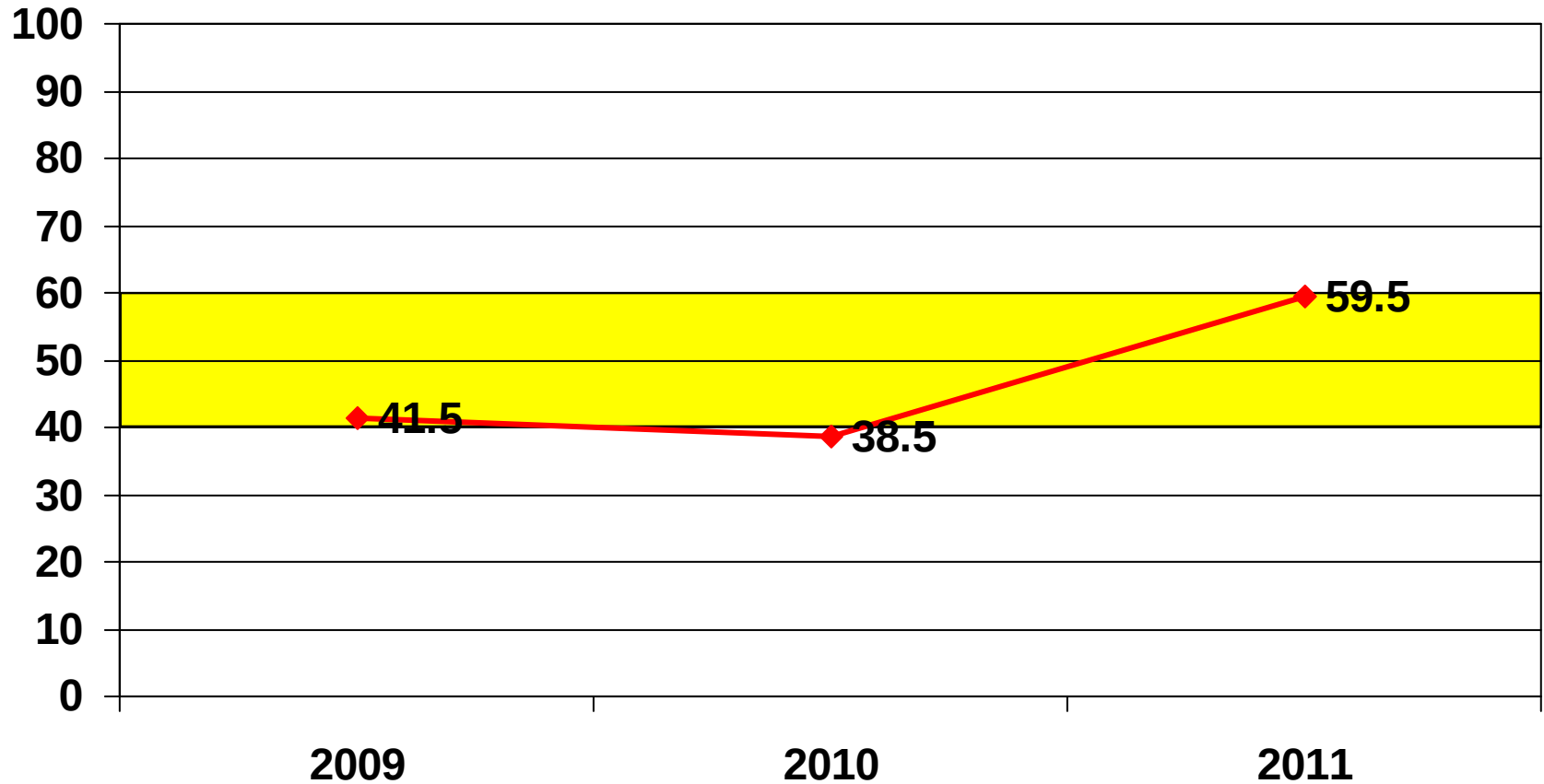
SGP - English Language Arts Grade 4



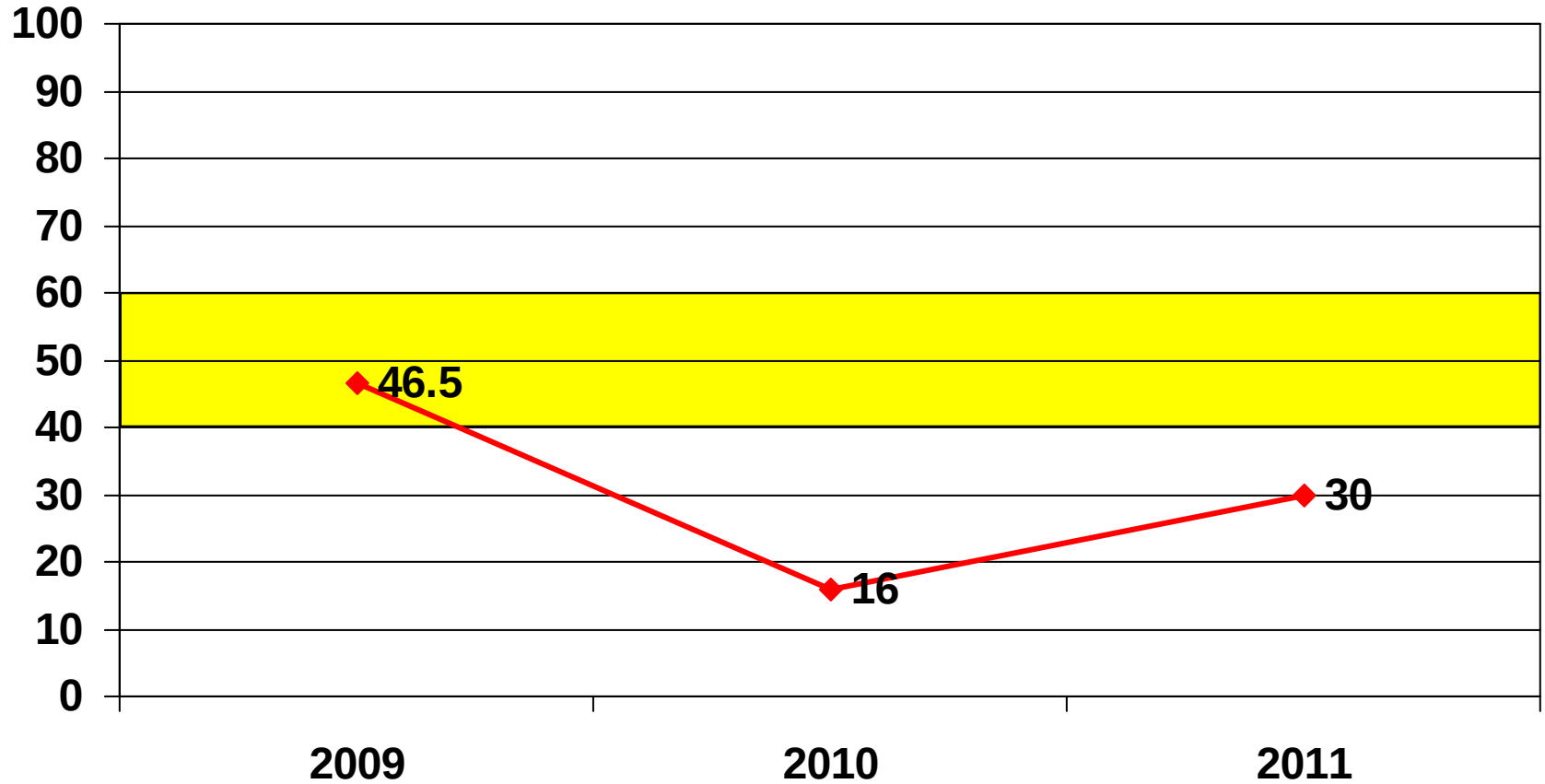
SGP - English Language Arts Grade 5



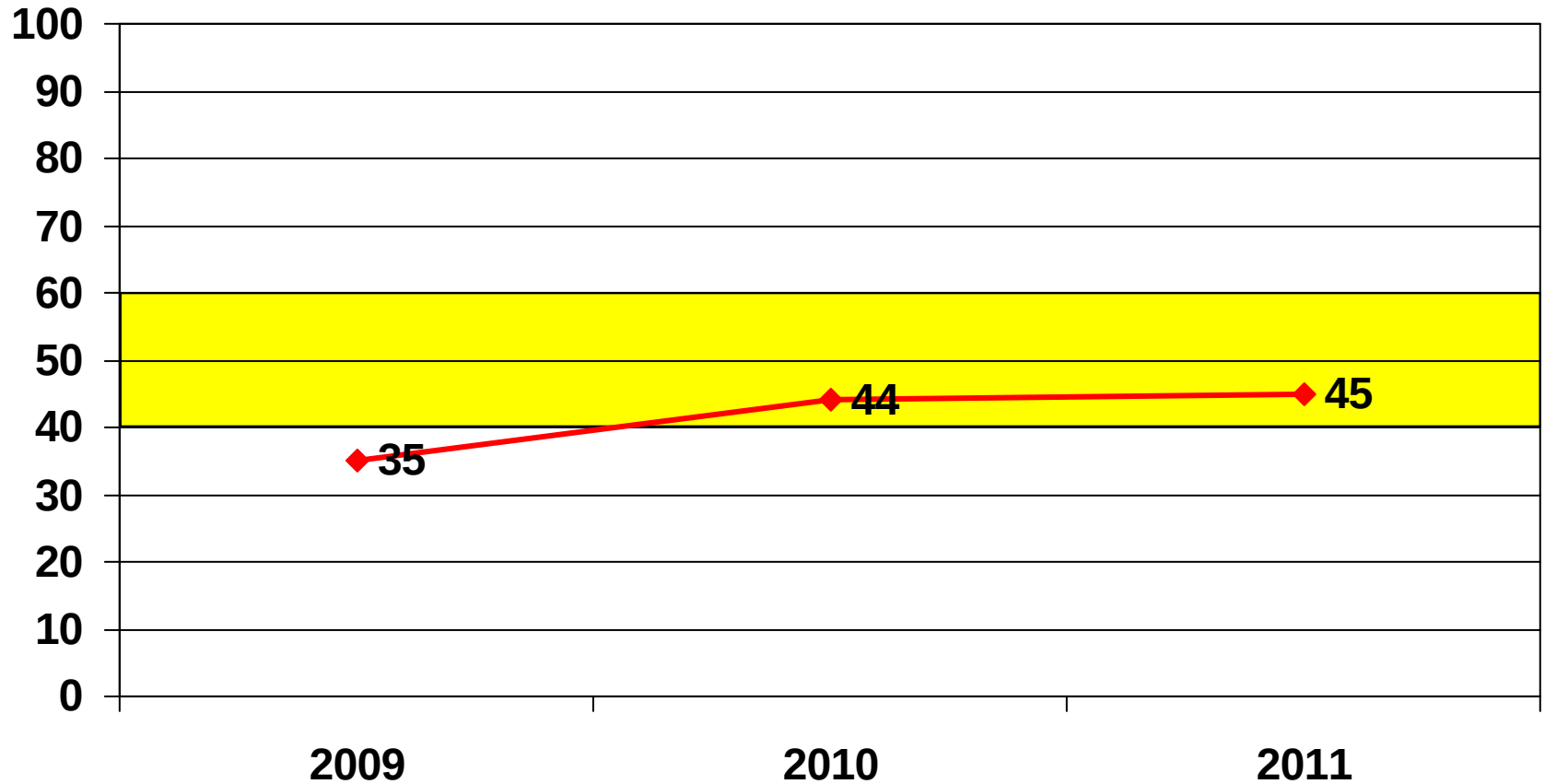
SGP - English Language Arts Grade 6



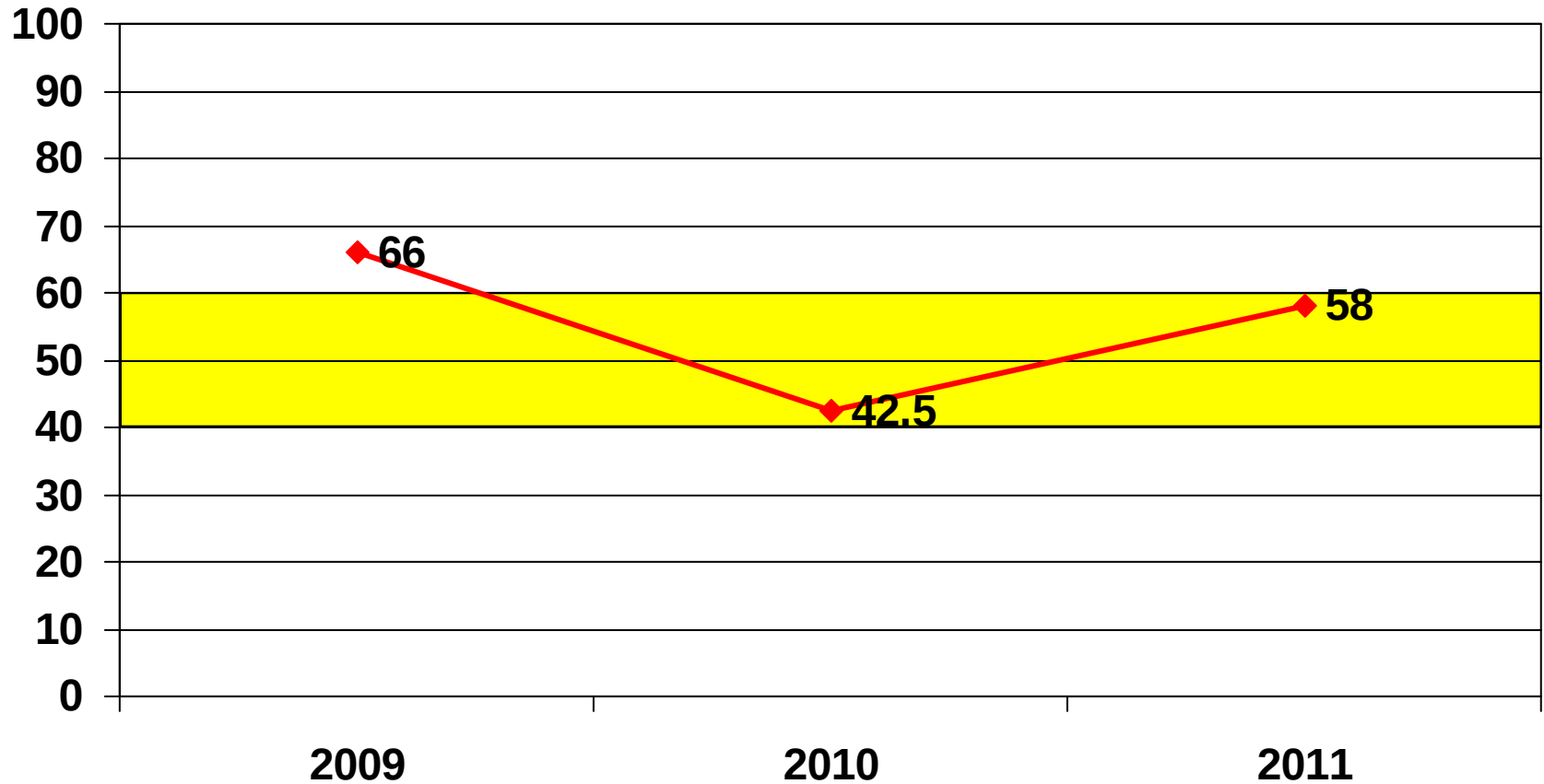
SGP - English Language Arts Grade 7



SGP - English Language Arts Grade 8

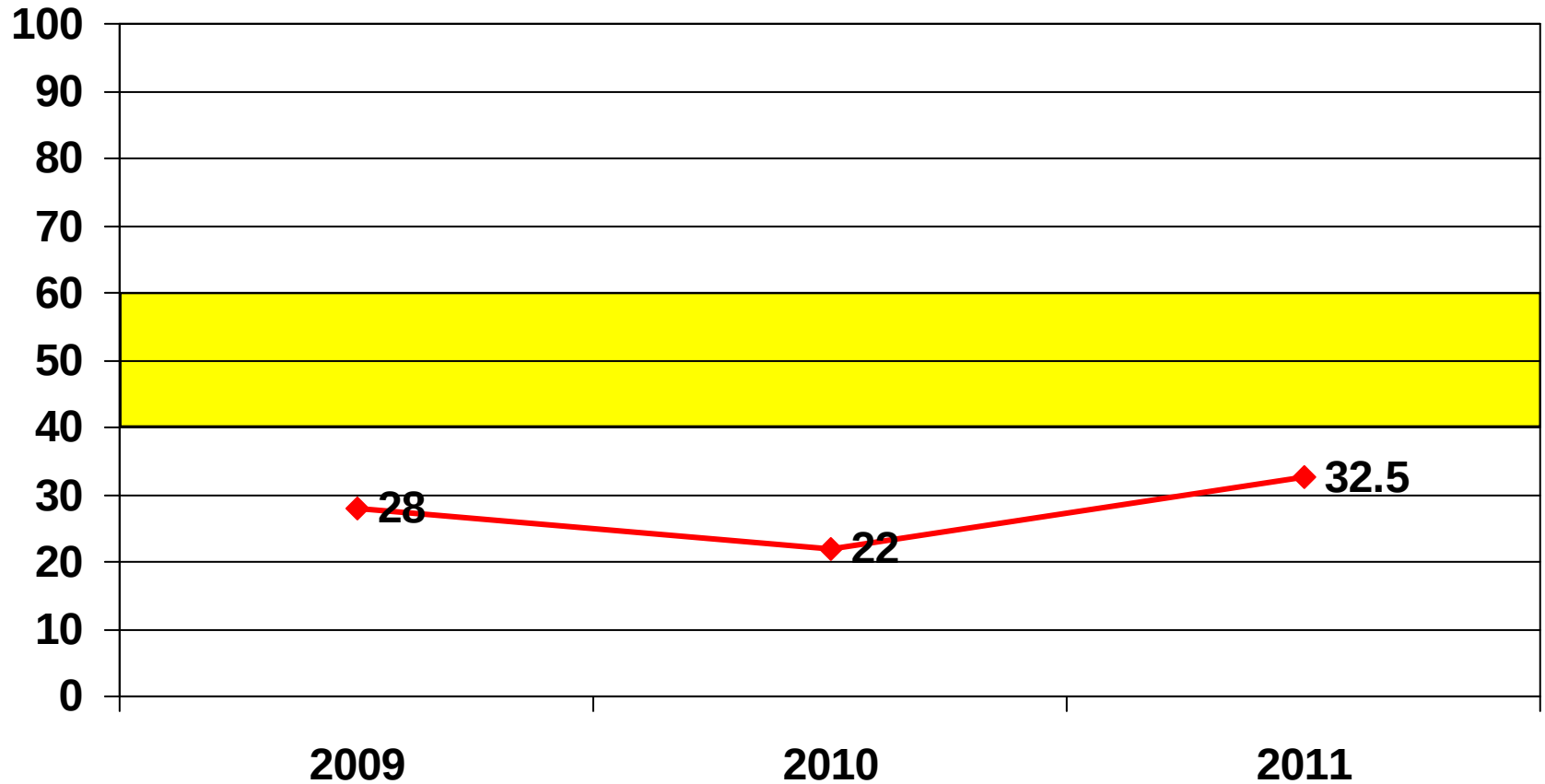


SGP - English Language Arts Grade 10



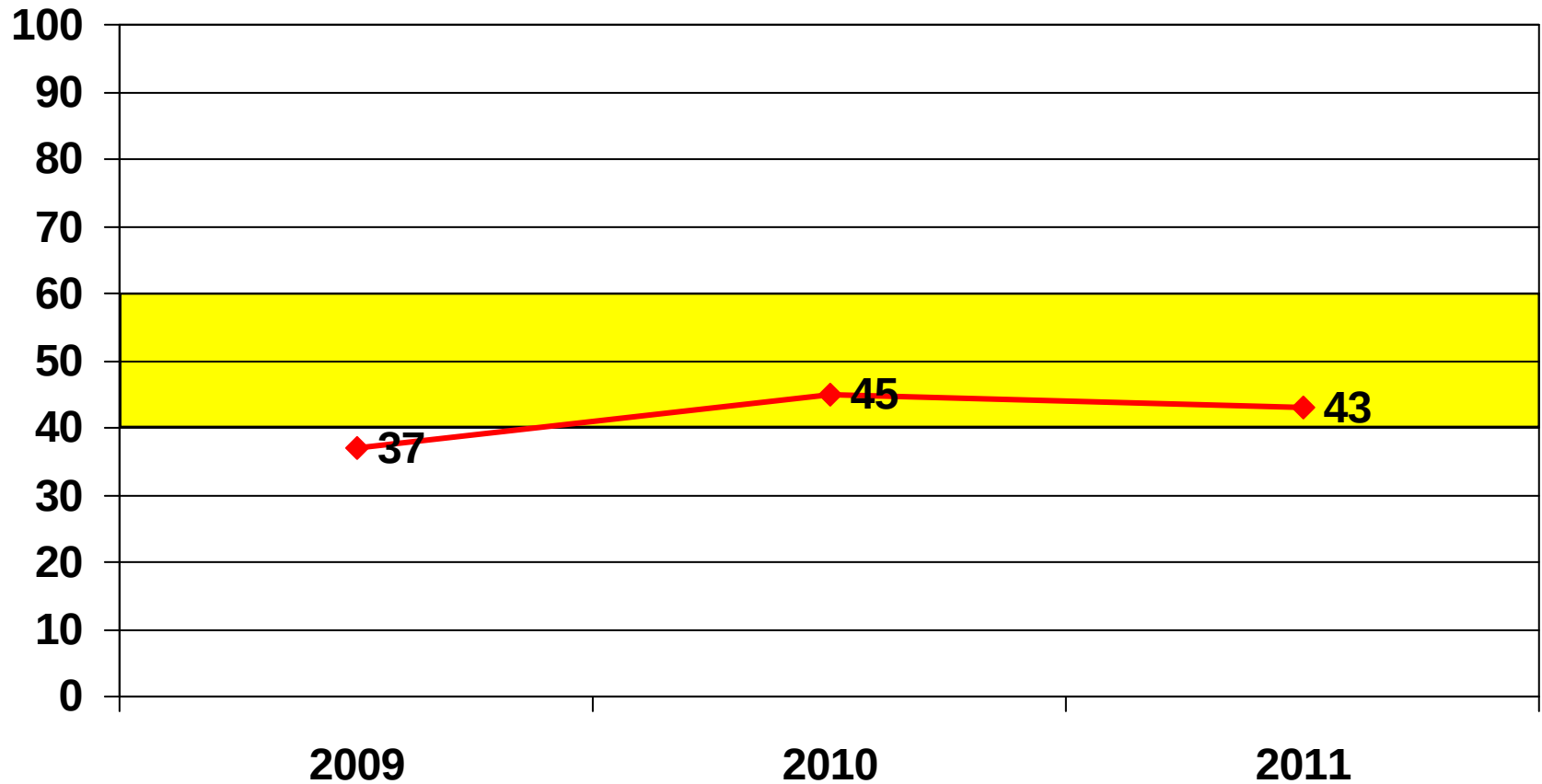
SGP - Mathematics

Grade 4



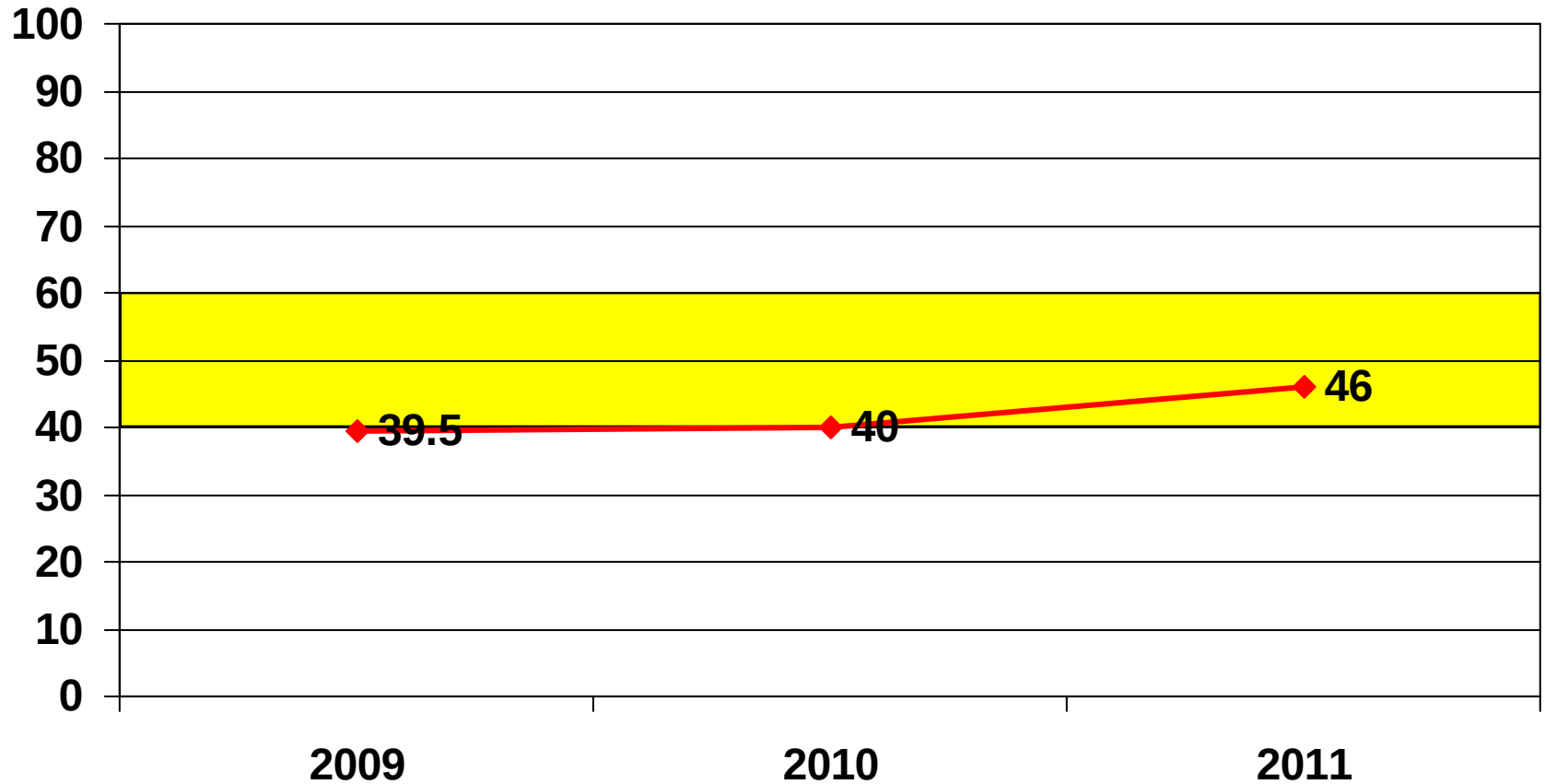
SGP - Mathematics

Grade 5



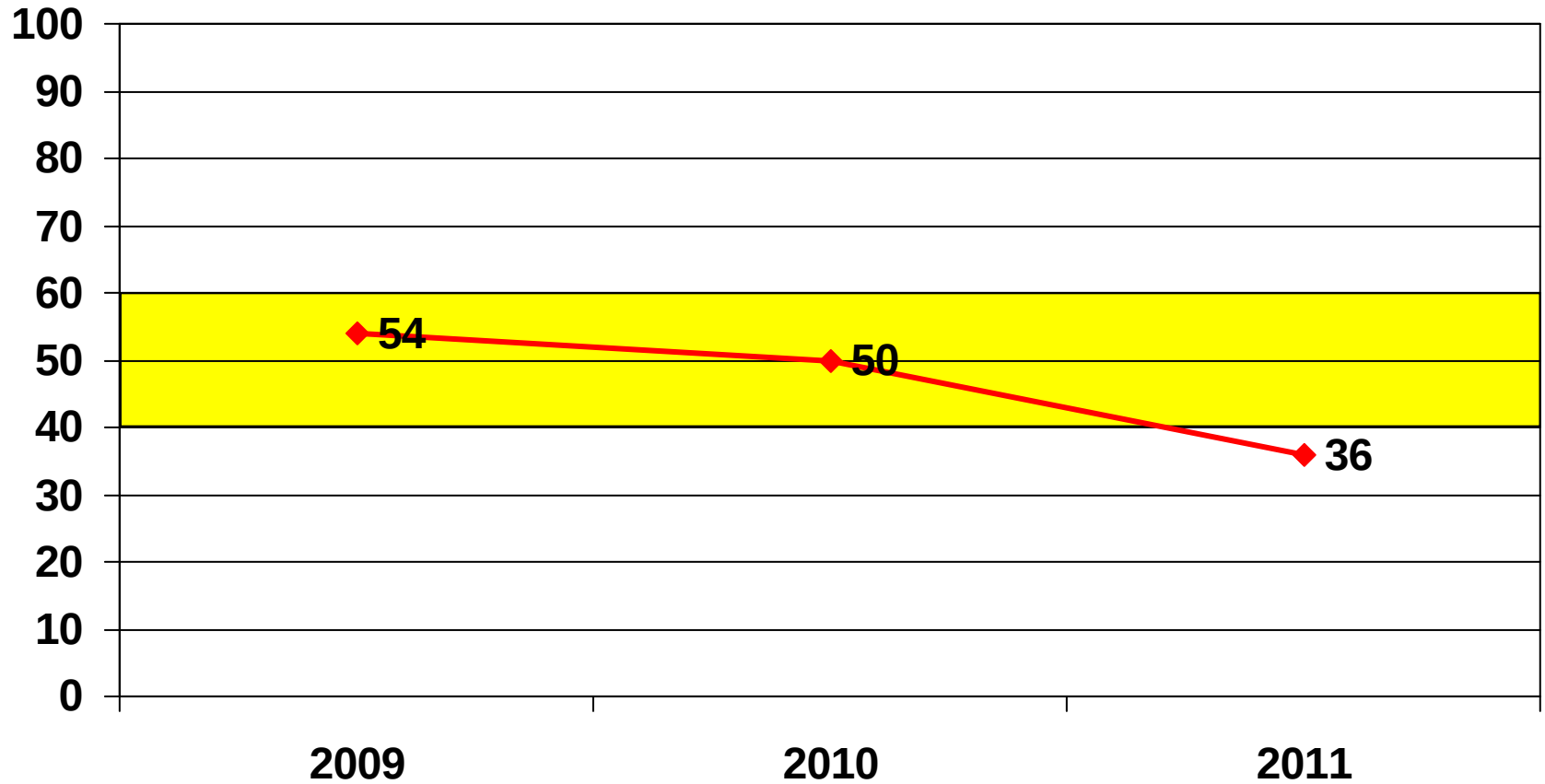
SGP - Mathematics

Grade 6



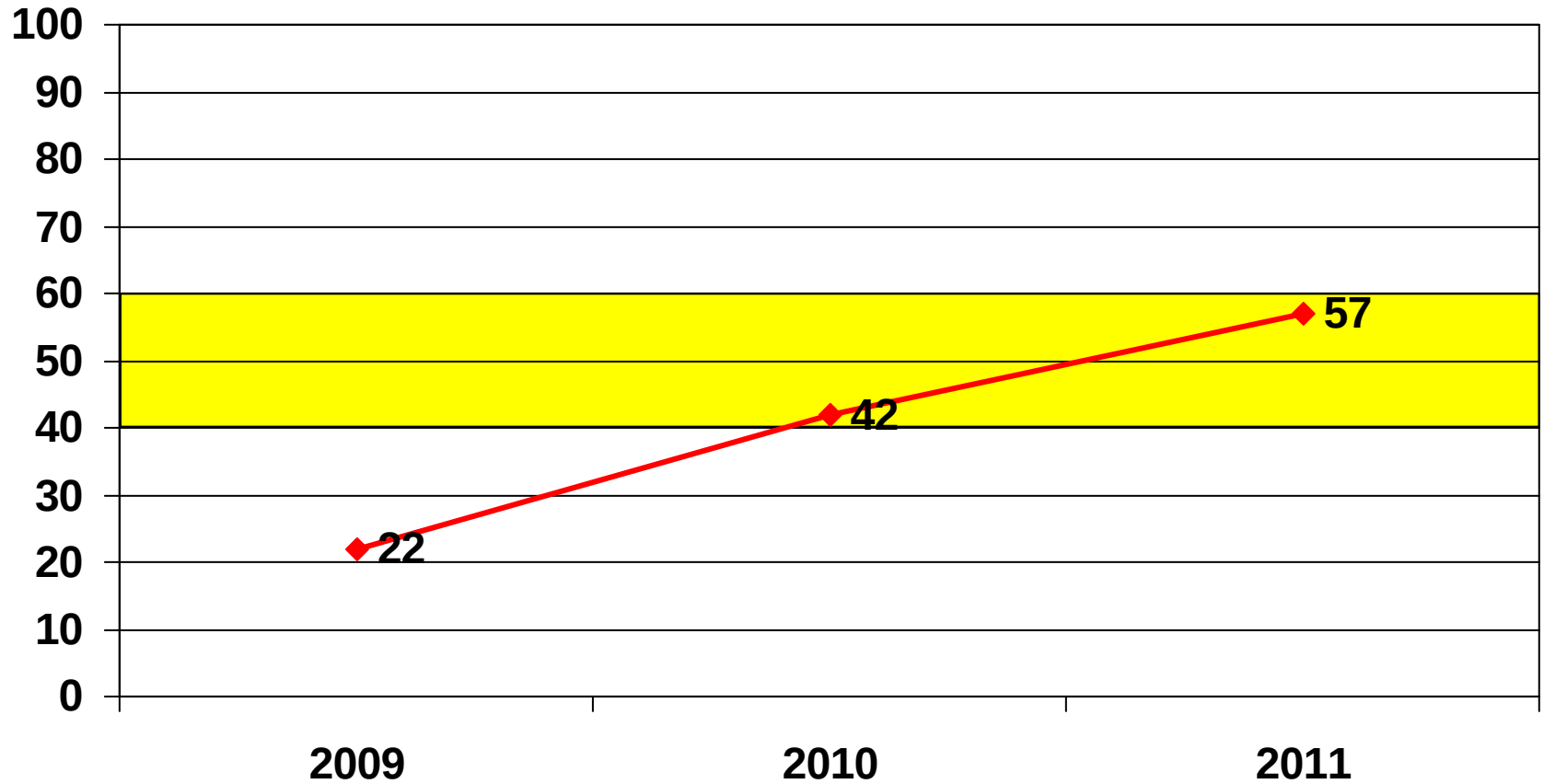
SGP - Mathematics

Grade 7



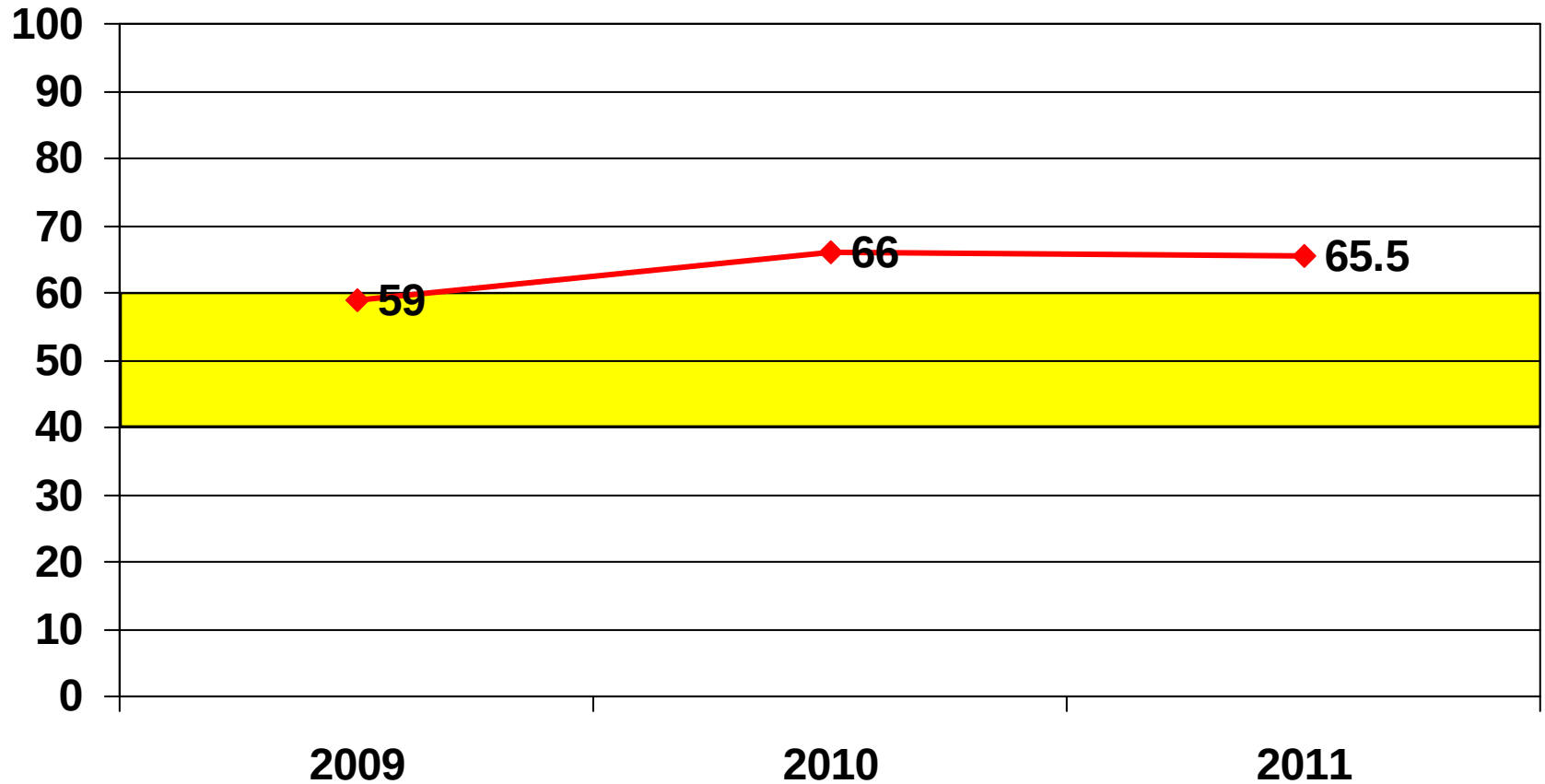
SGP - Mathematics

Grade 8



SGP - Mathematics

Grade 10



Adequate Yearly Progress

AYP

Adequate Yearly Progress

- Adequate Yearly Progress (AYP) is a federal measure of the extent to which a student group demonstrates proficiency in English language arts and mathematics.
- AYP measures student performance against specific expectations each year. To receive an affirmative AYP determination, schools and districts must meet a student participation requirement, an additional attendance or graduation requirement, and either the State's performance target or the group's own improvement target.

Jacobs School – (AYP)

Adequate Yearly Progress History

Adequate Yearly Progress History										NCLB Accountability Status
		2004	2005	2006	2007	2008	2009	2010	2011	
ELA	Aggregate	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Improvement Year 2 - Subgroups
	All Subgroups	Yes	Yes	Yes	Yes	No	No	No	Yes	
Math	Aggregate	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Improvement Year 1
	All Subgroups	Yes	Yes	Yes	Yes	Yes	No	No	Yes	

Memorial School – (AYP)

Adequate Yearly Progress History

Adequate Yearly Progress History										NCLB Accountability Status
		2004	2005	2006	2007	2008	2009	2010	2011	
ELA	Aggregate	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Improvement Year 1
	All Subgroups	Yes	Yes	Yes	Yes	Yes	No	No	Yes	
Math	Aggregate	Yes	No	Yes	Yes	Yes	No	Yes	No	Improvement Year 2 - Subgroups
	All Subgroups	No	No	No	Yes	Yes	No	No	No	

Hull High School – (AYP)

Adequate Yearly Progress History

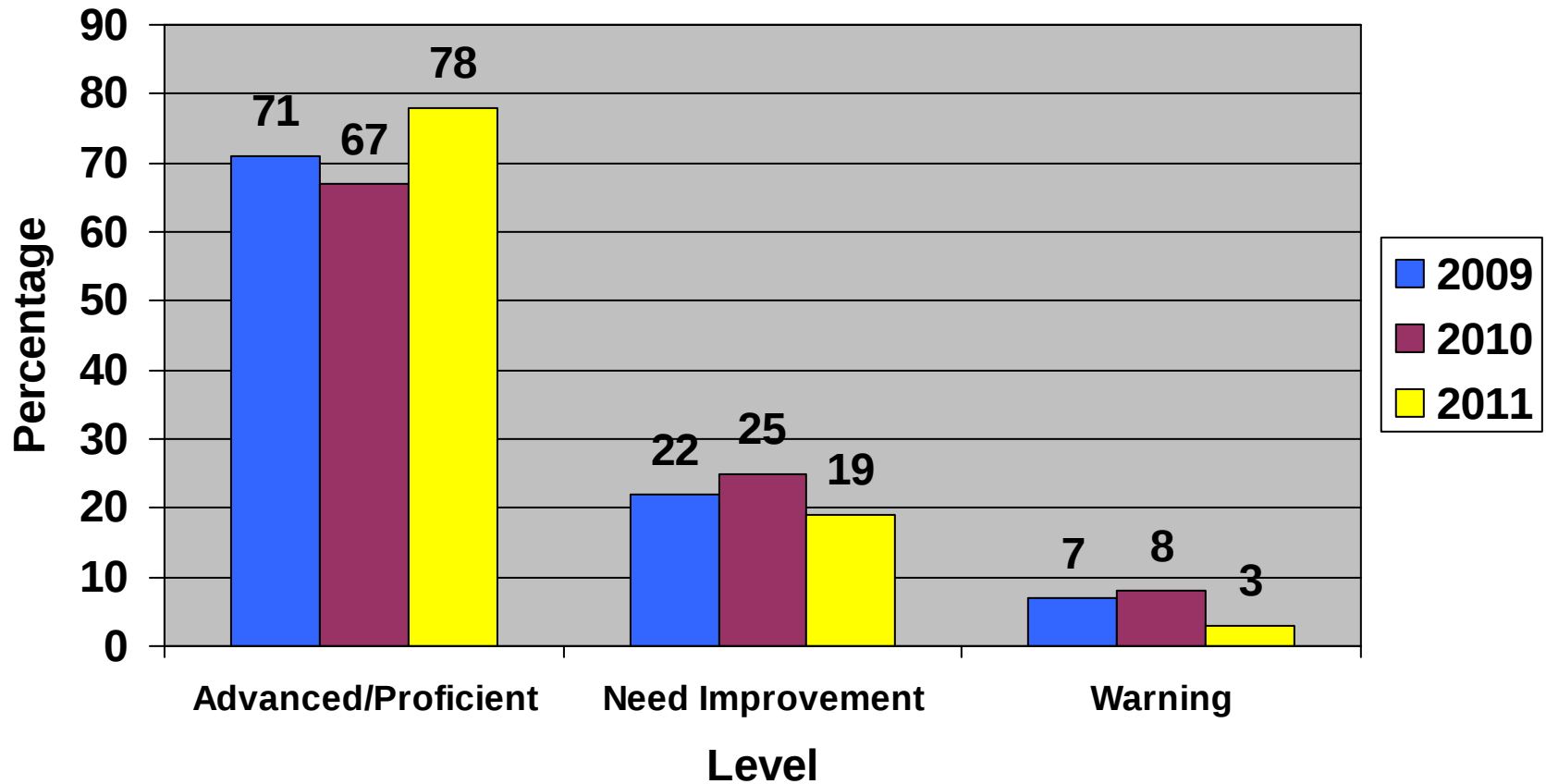
Adequate Yearly Progress History										NCLB Accountability Status
		2004	2005	2006	2007	2008	2009	2010	2011	
ELA	Aggregate	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No Status
	All Subgroups	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	
Math	Aggregate	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No Status
	All Subgroups	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	

Adequate Yearly Progress Current Issues

- National Dialogue
- Massachusetts Performance

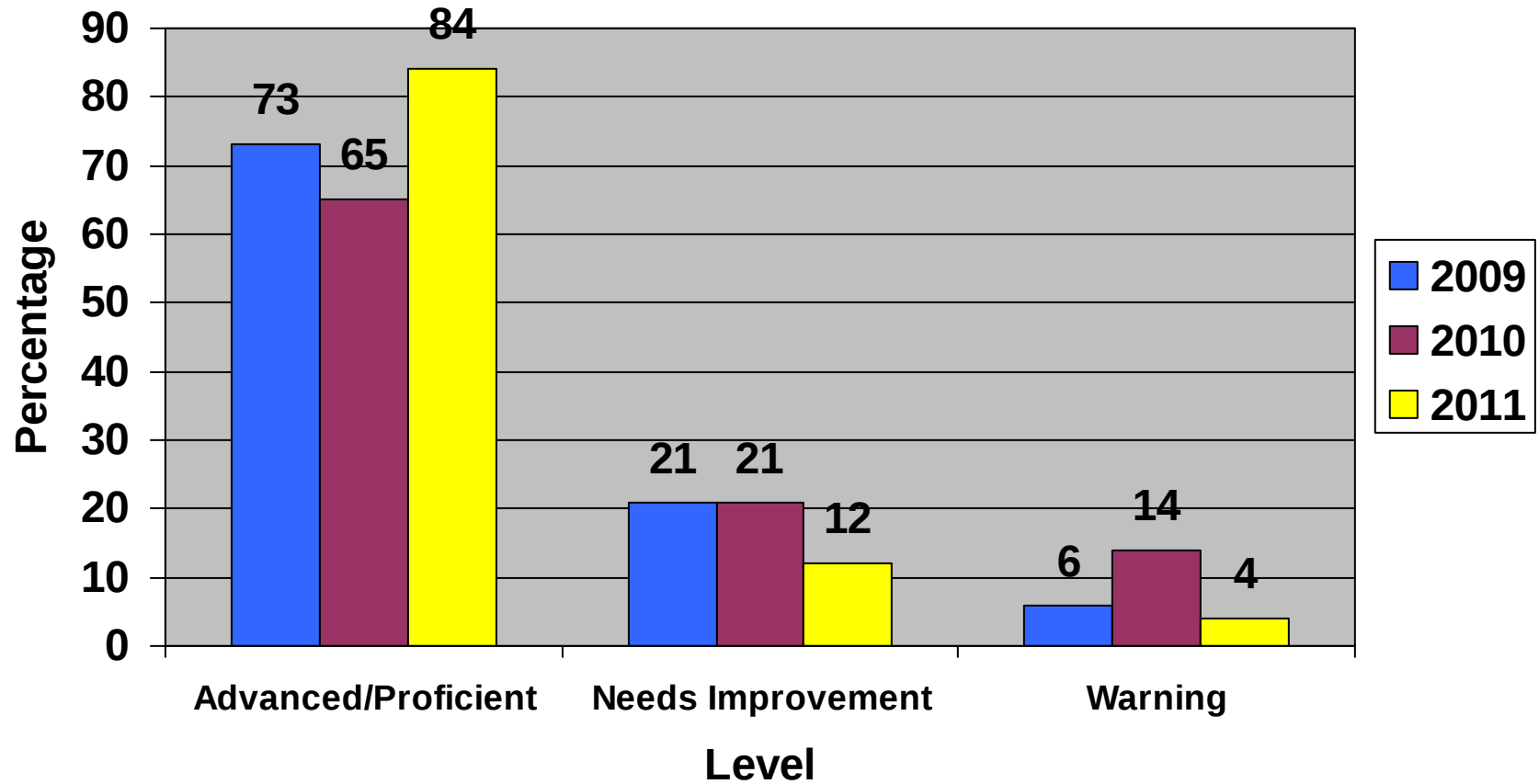
Performance Level Trends

English Language Arts Grade 3

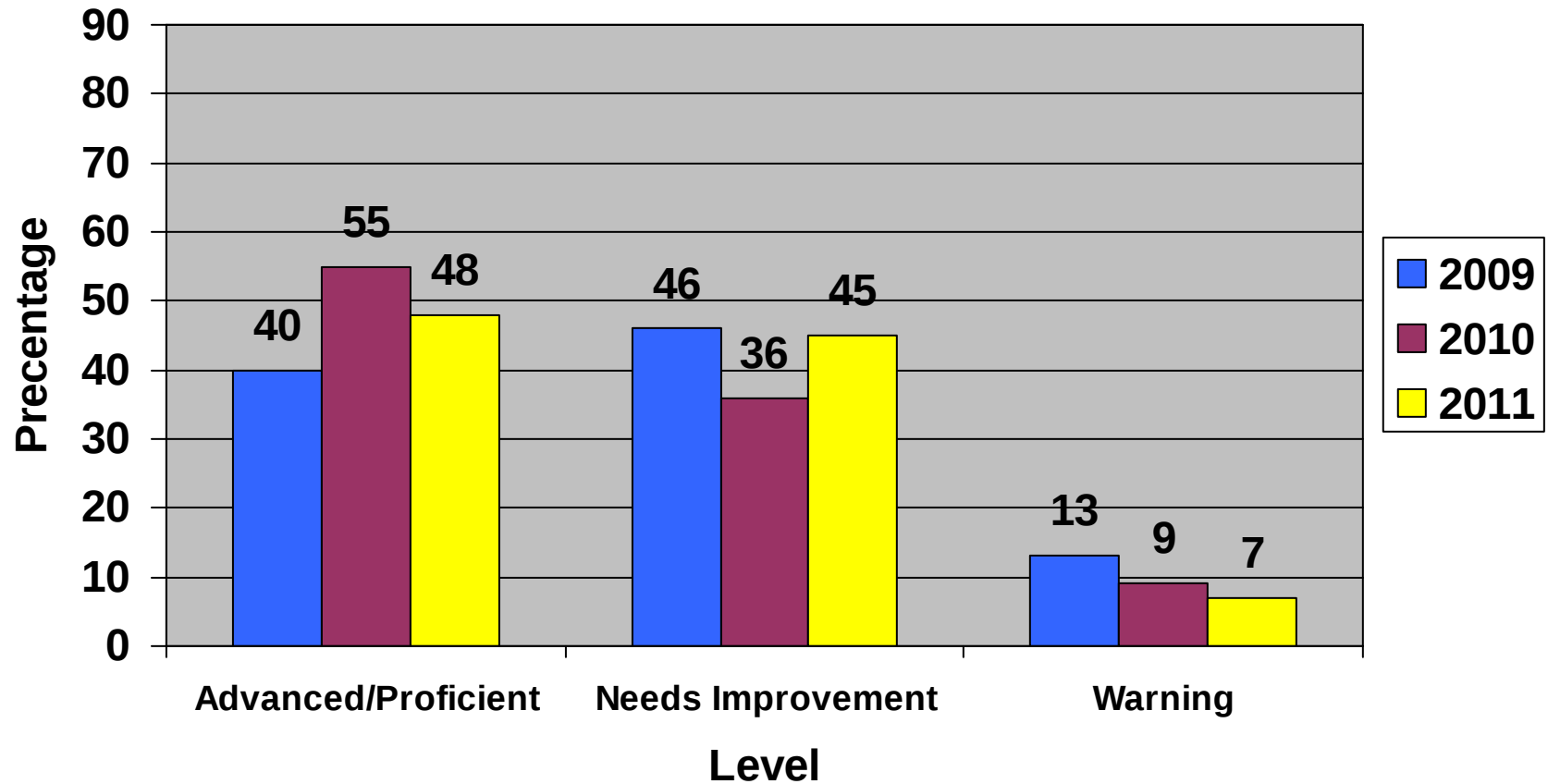


Mathematics

Grade 3

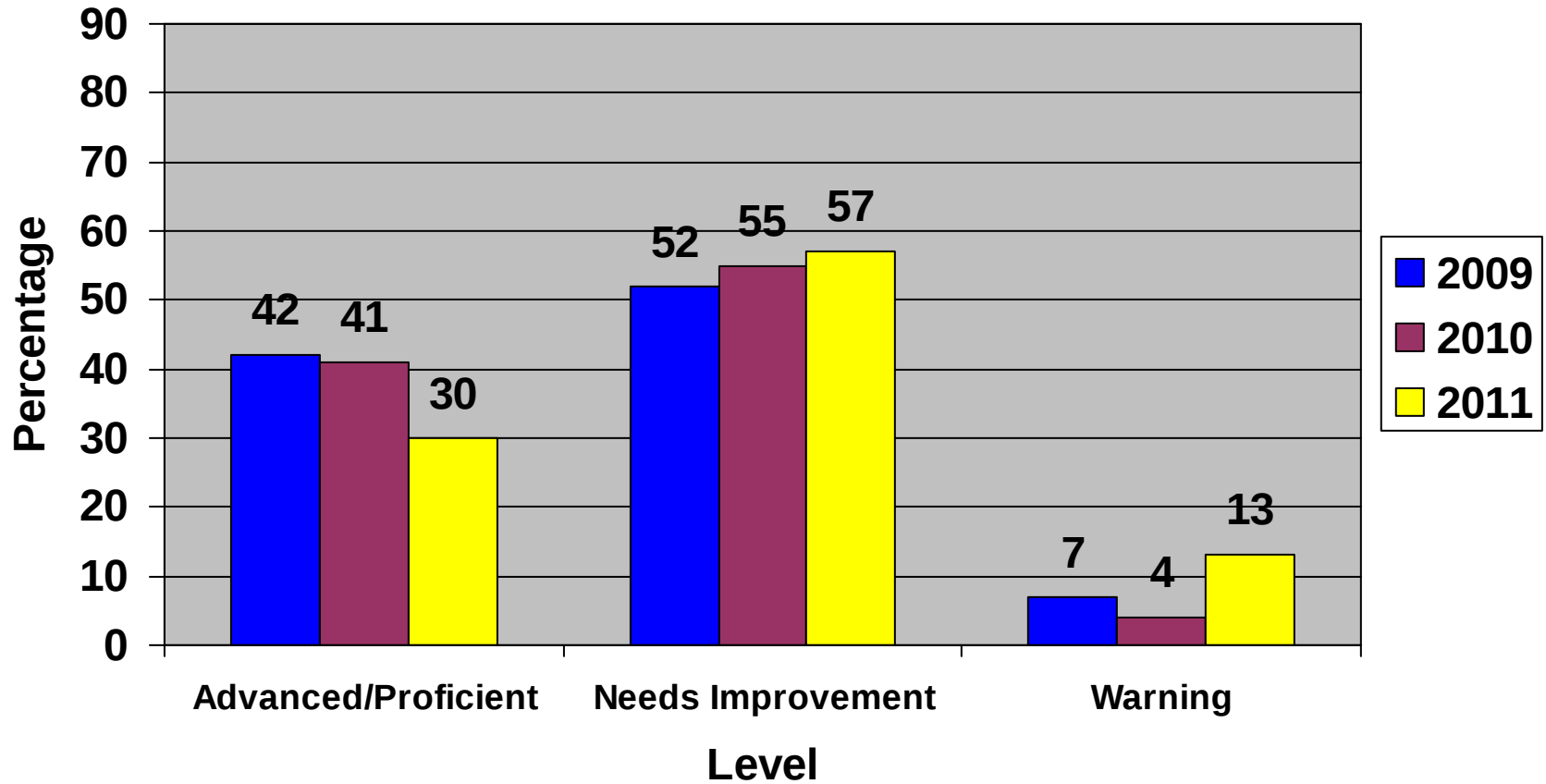


English Language Arts Grade 4

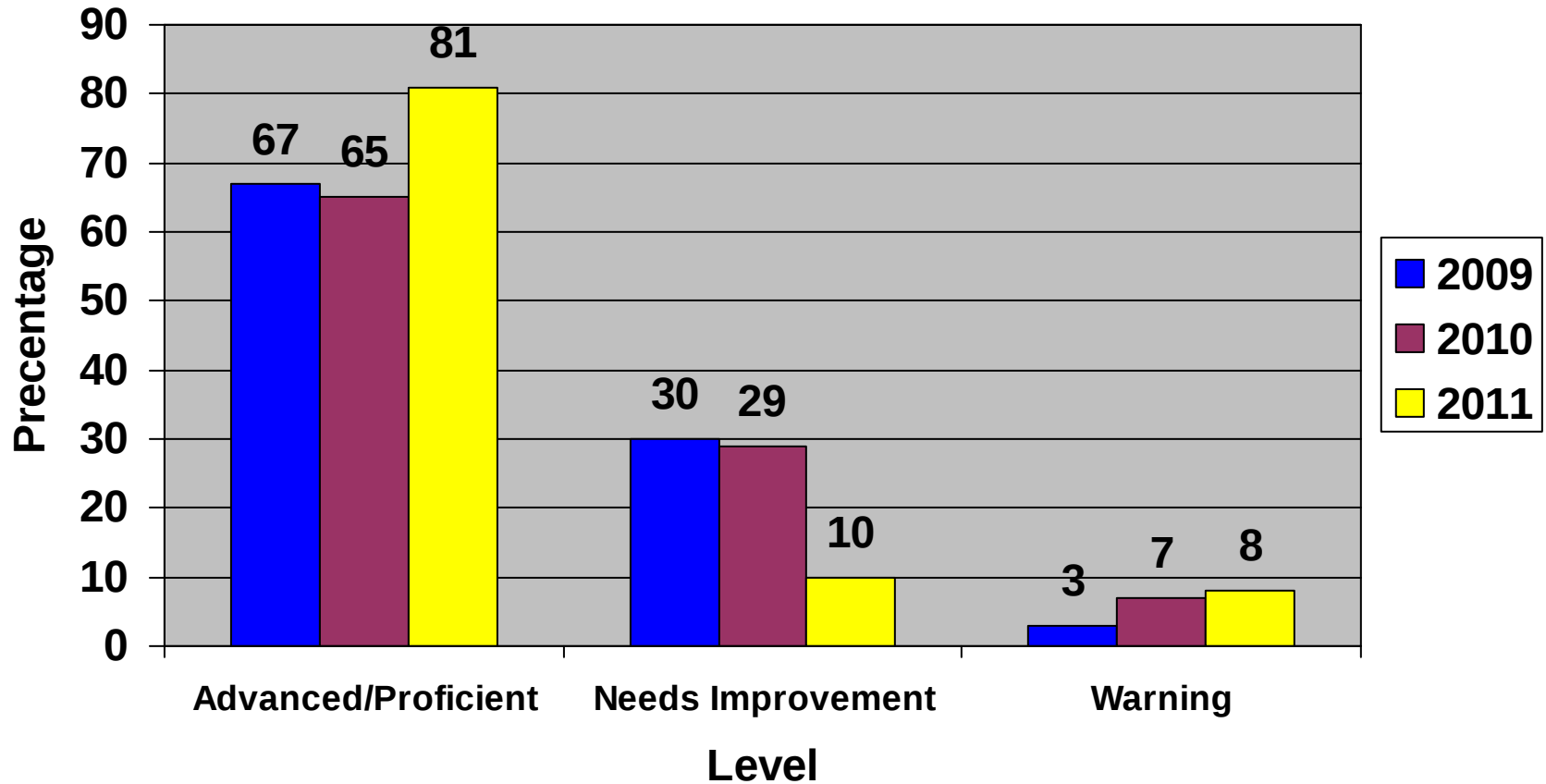


Mathematics

Grade 4

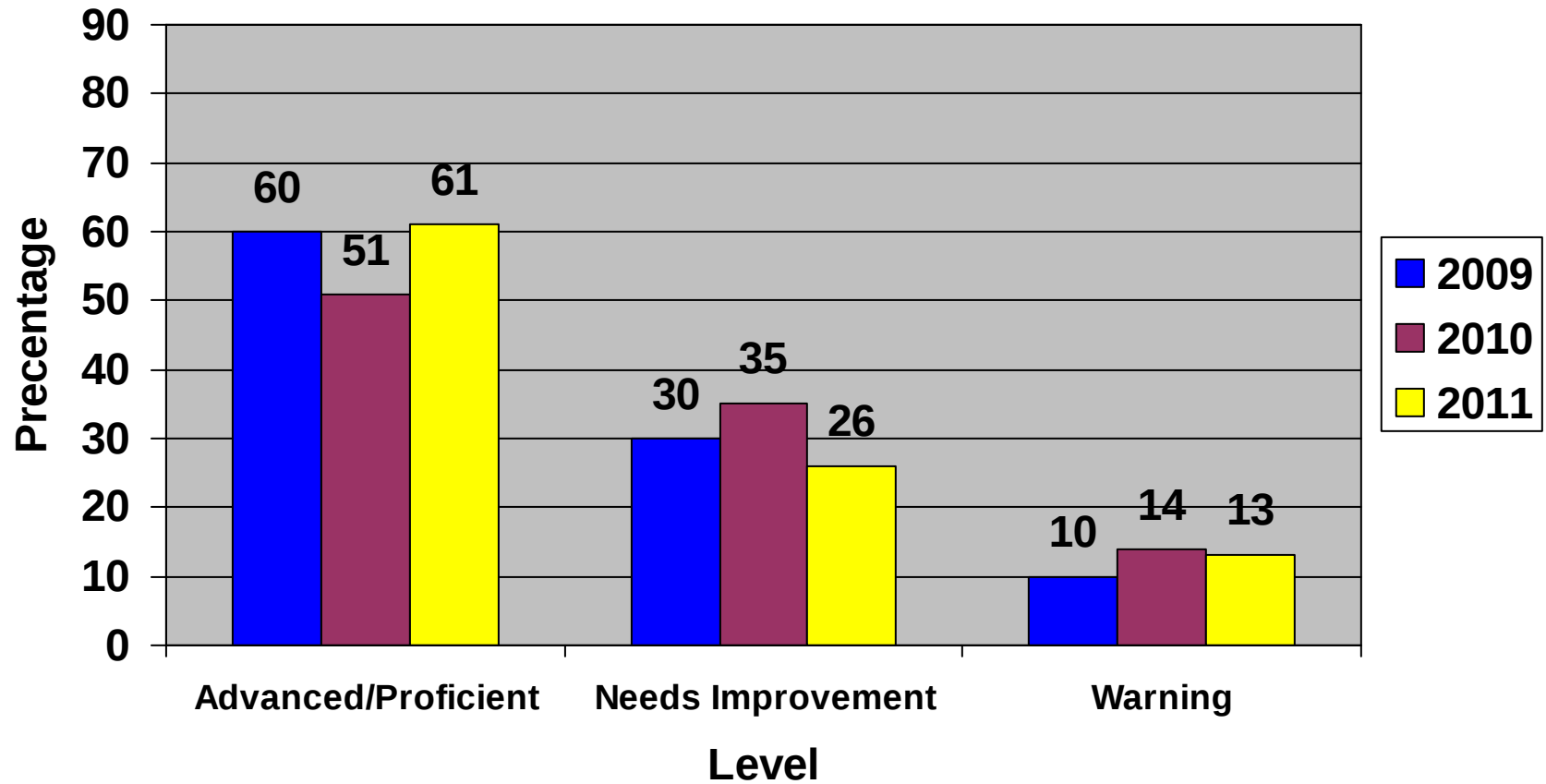


English Language Arts Grade 5

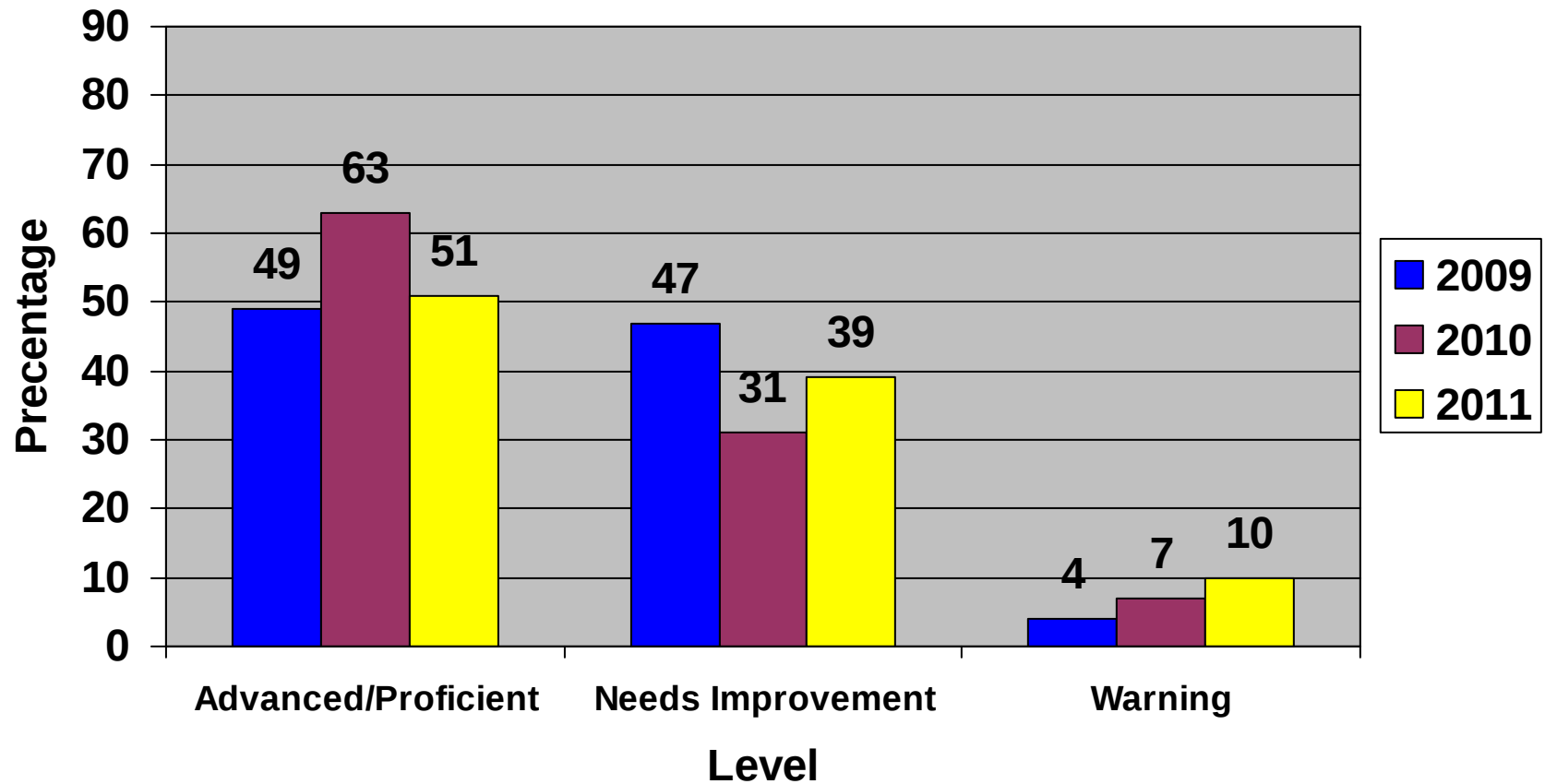


Mathematics

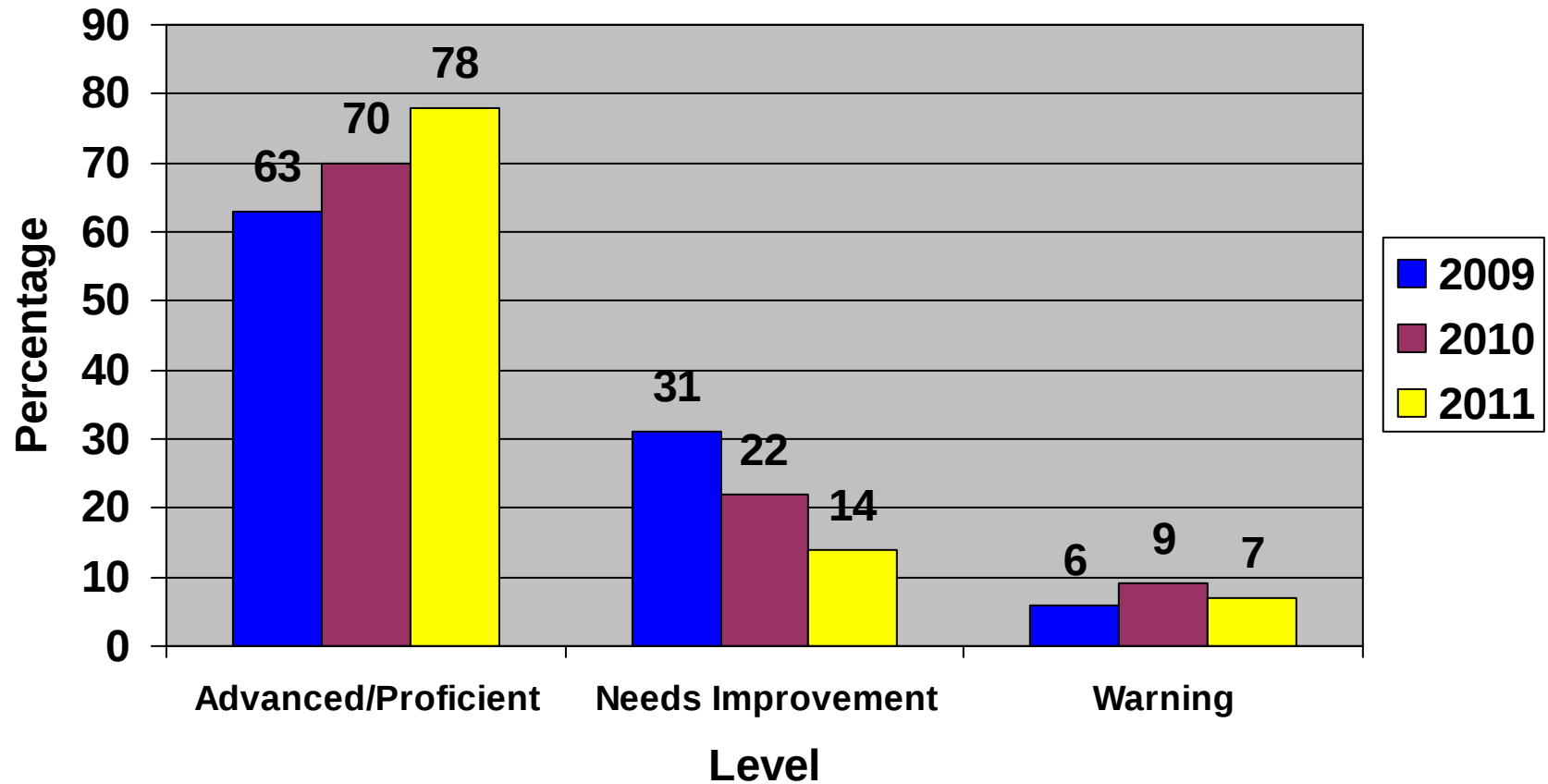
Grade 5



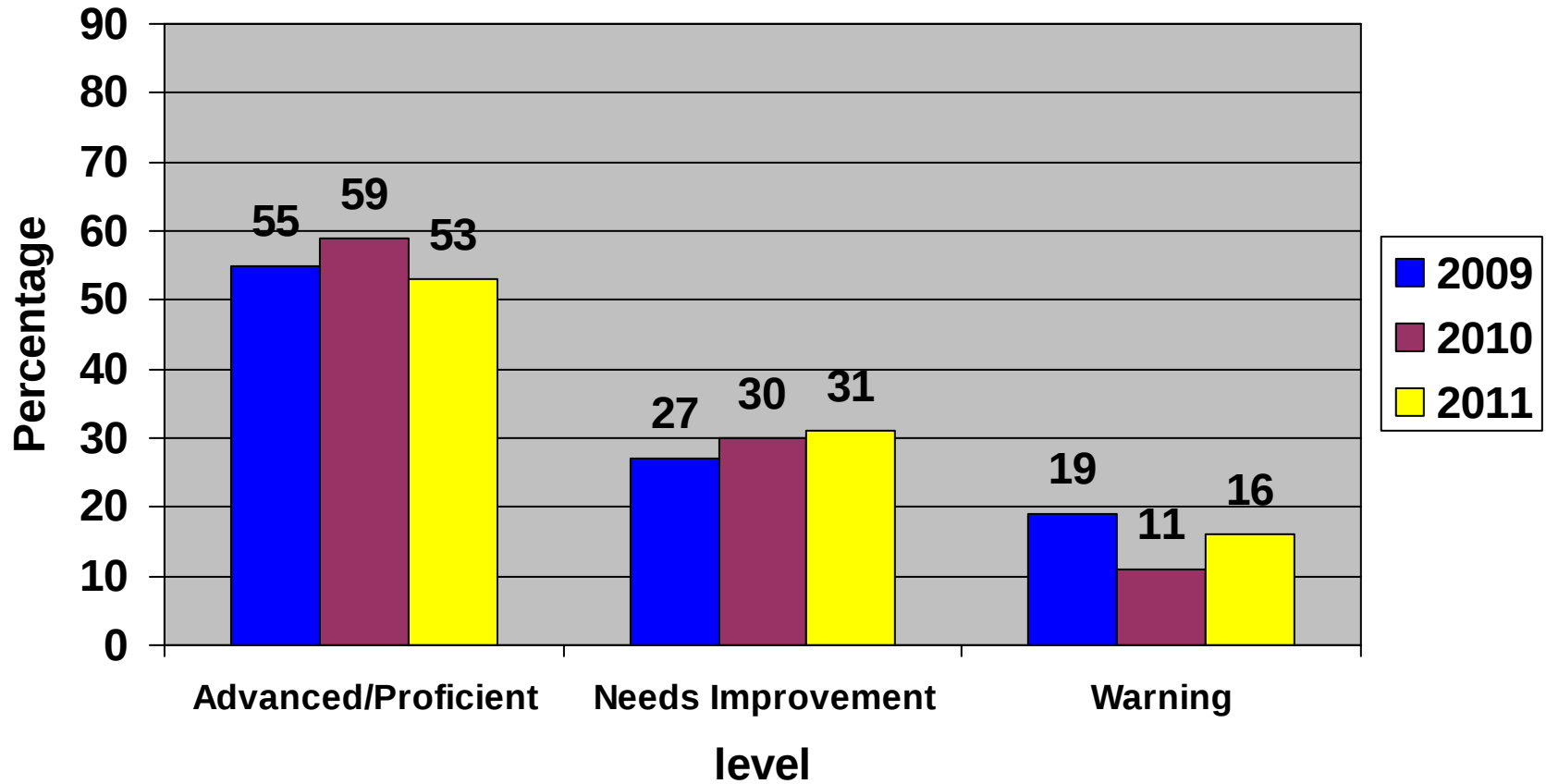
Science & Technology/Engineering Grade 5



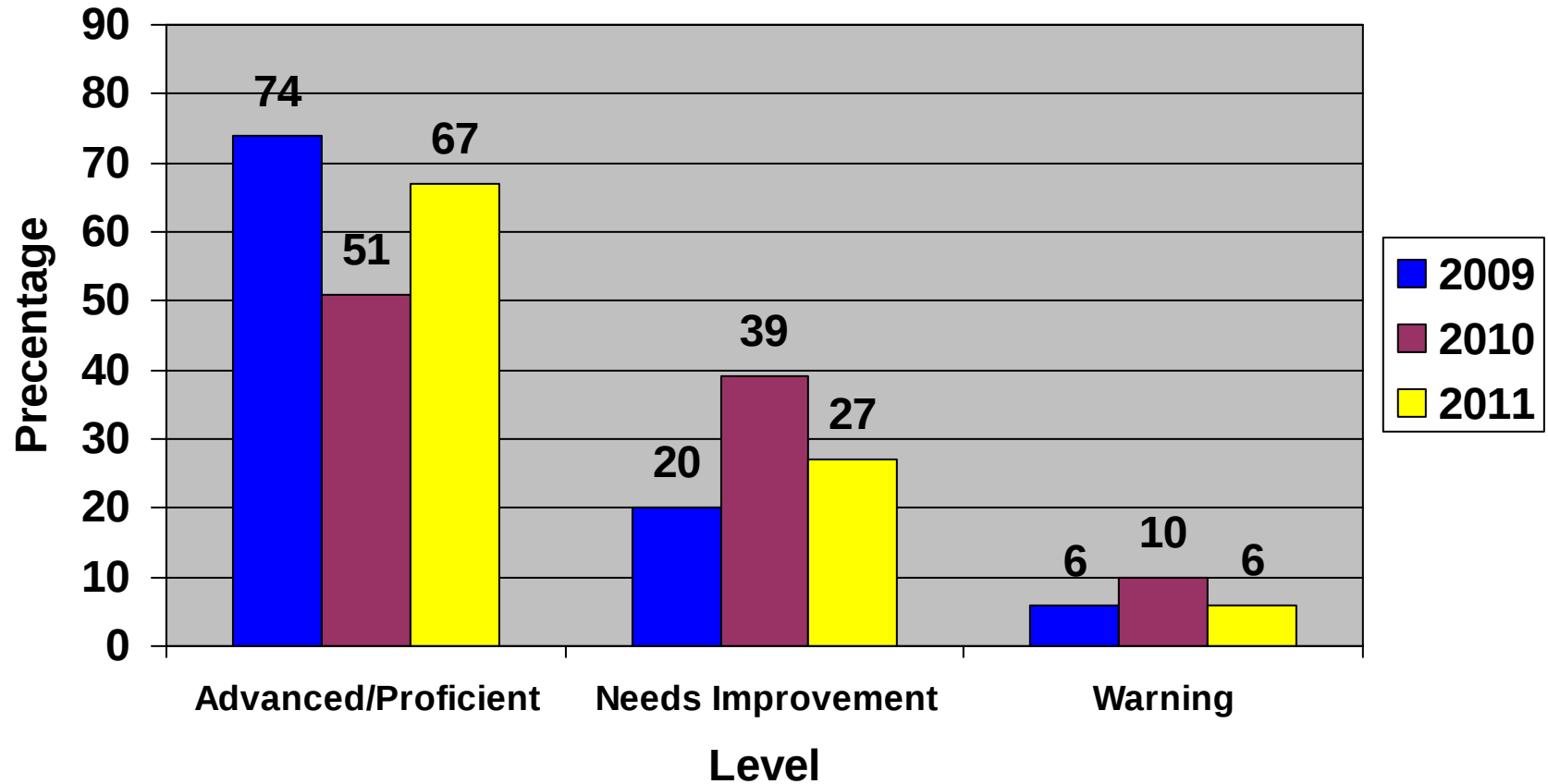
English Language Arts Grade 6



Mathematics Grade 6

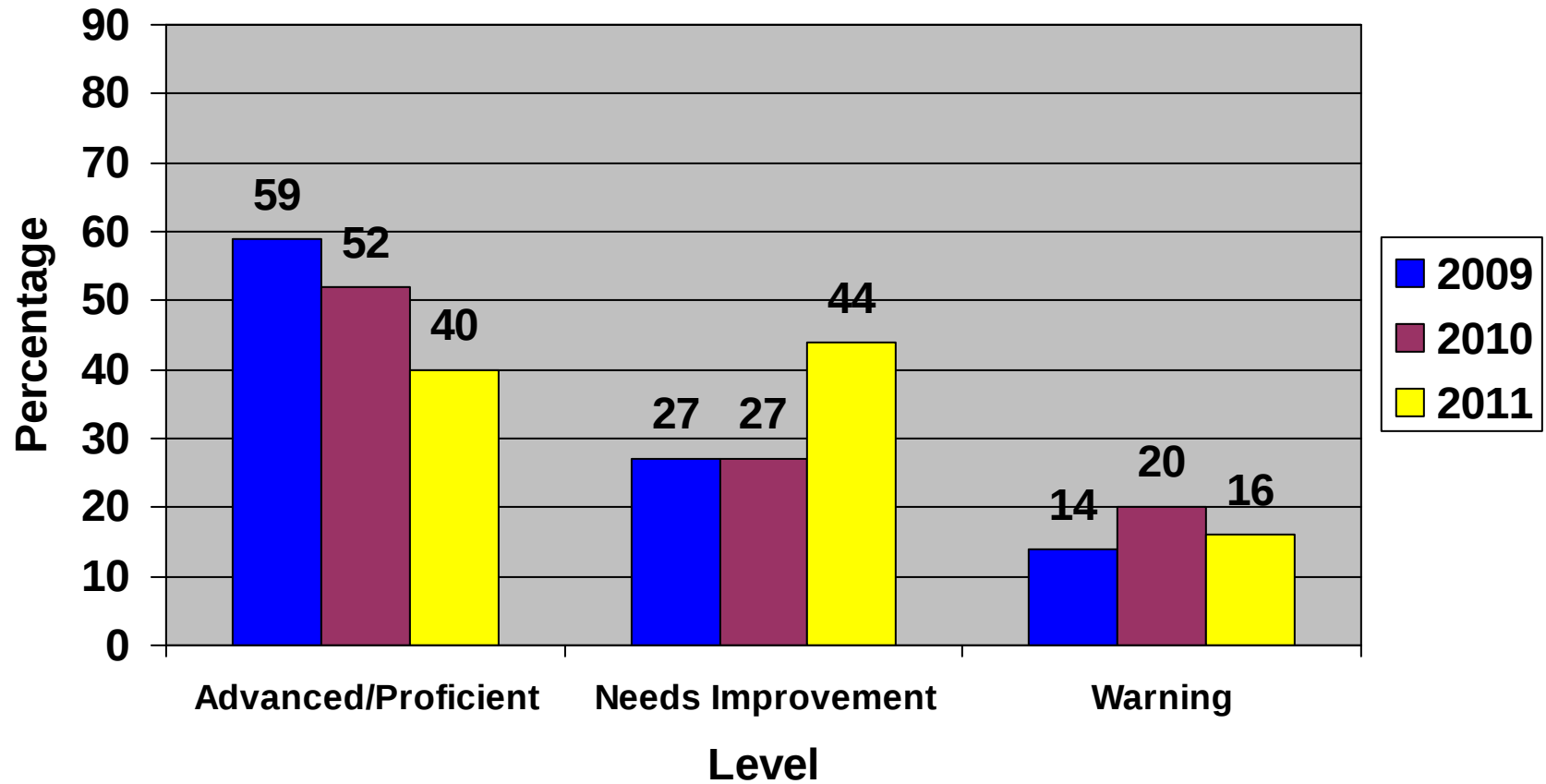


English Language Arts Grade 7

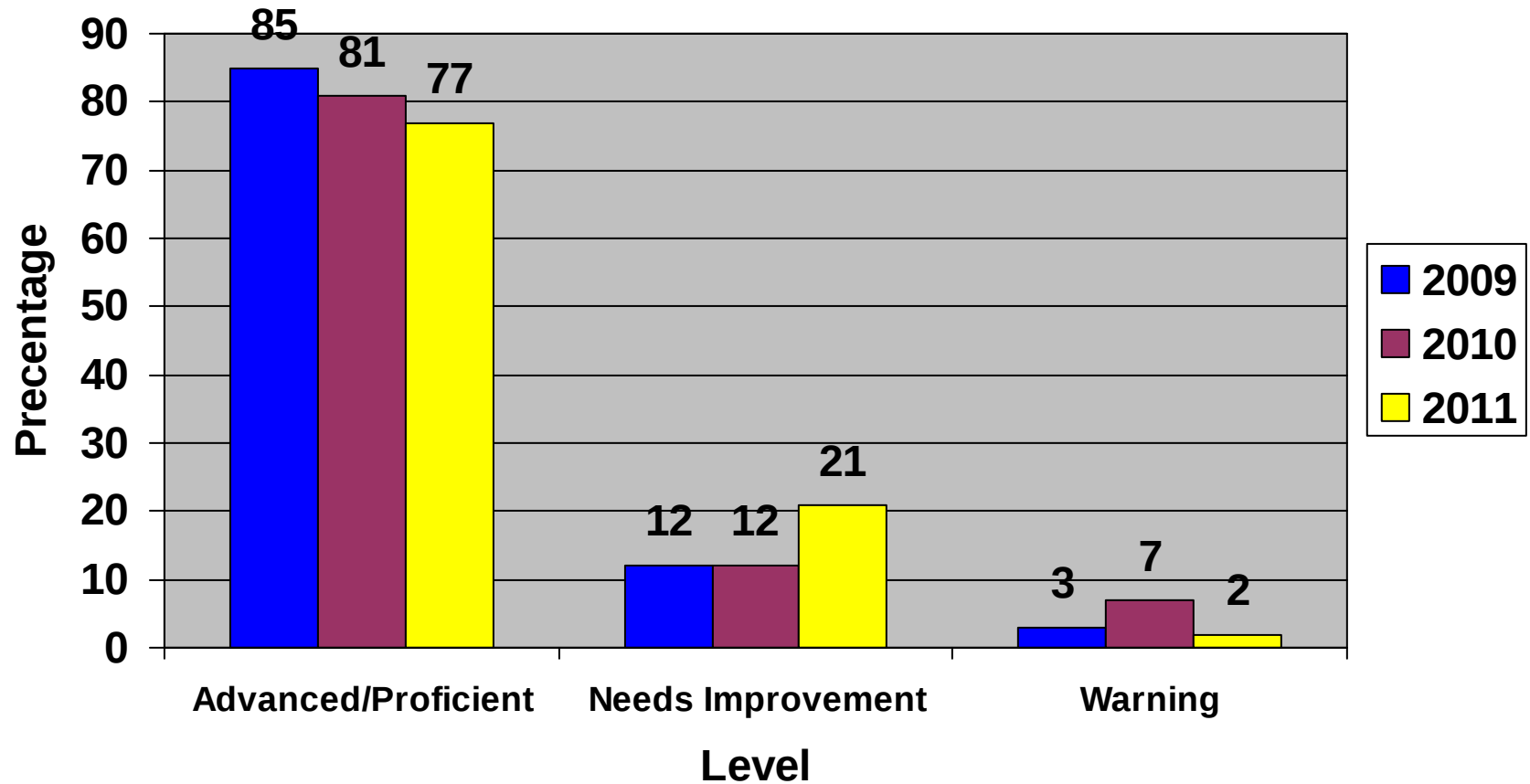


Mathematics

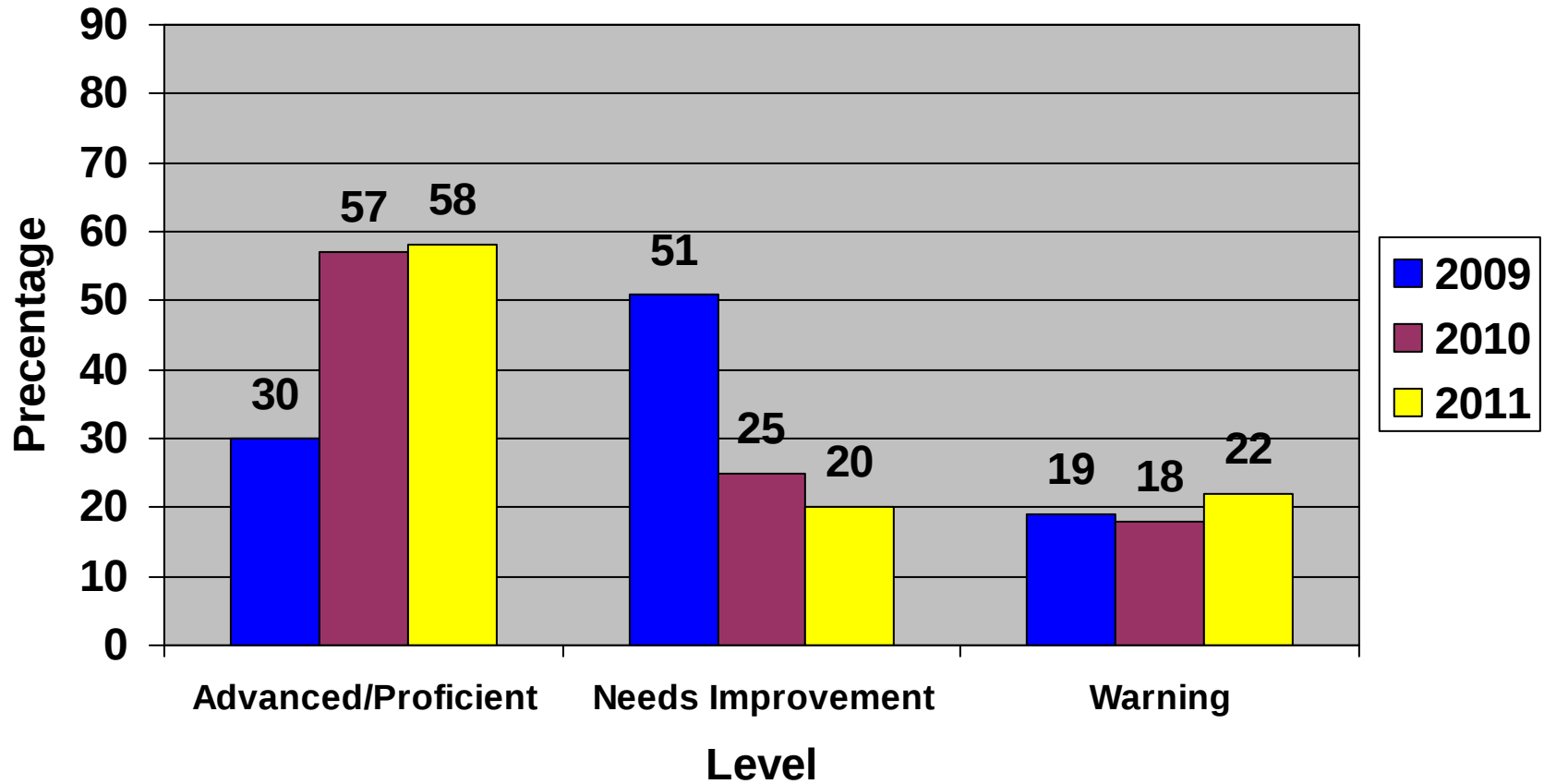
Grade 7



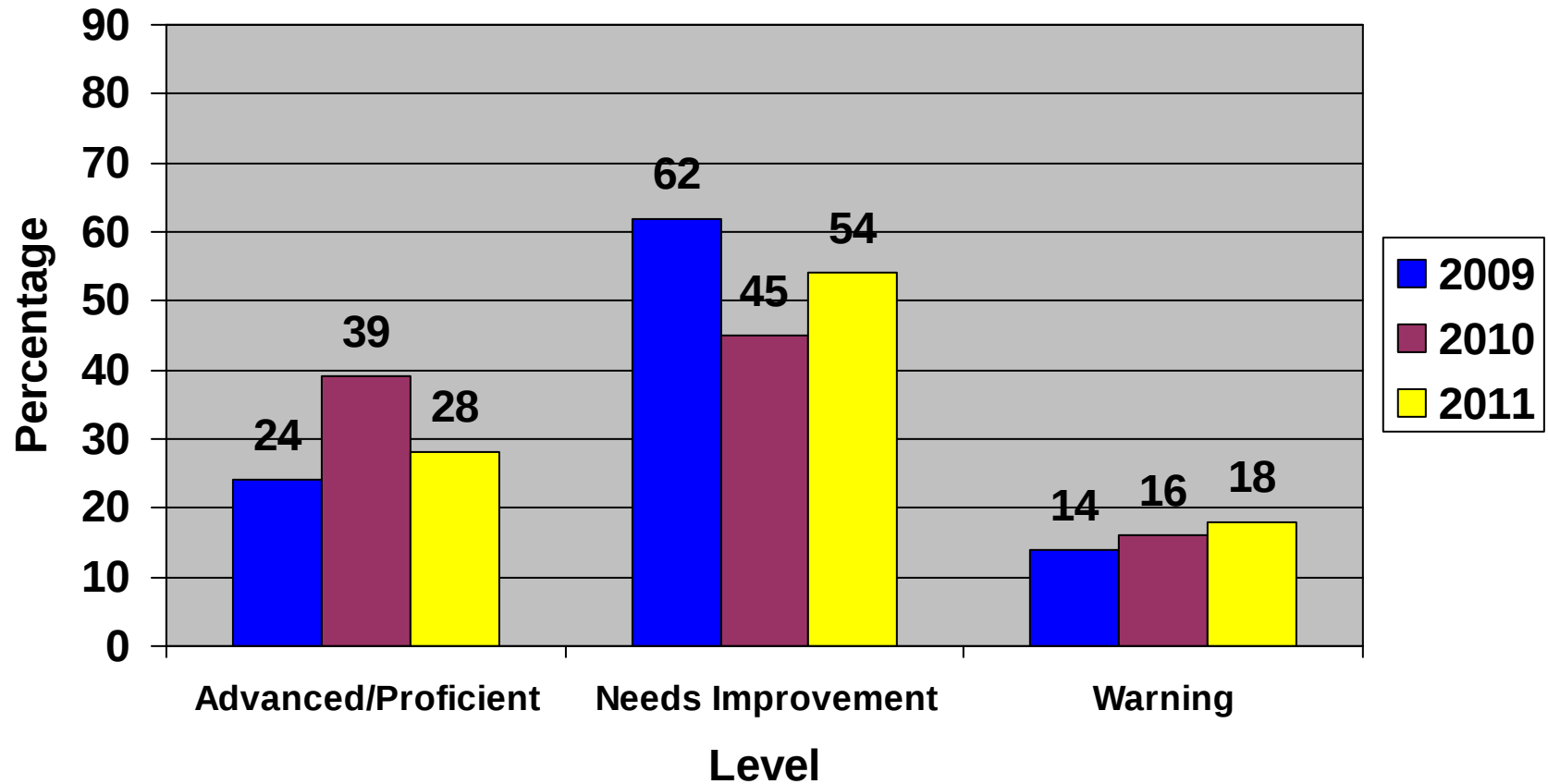
English Language Arts Grade 8



Mathematics Grade 8

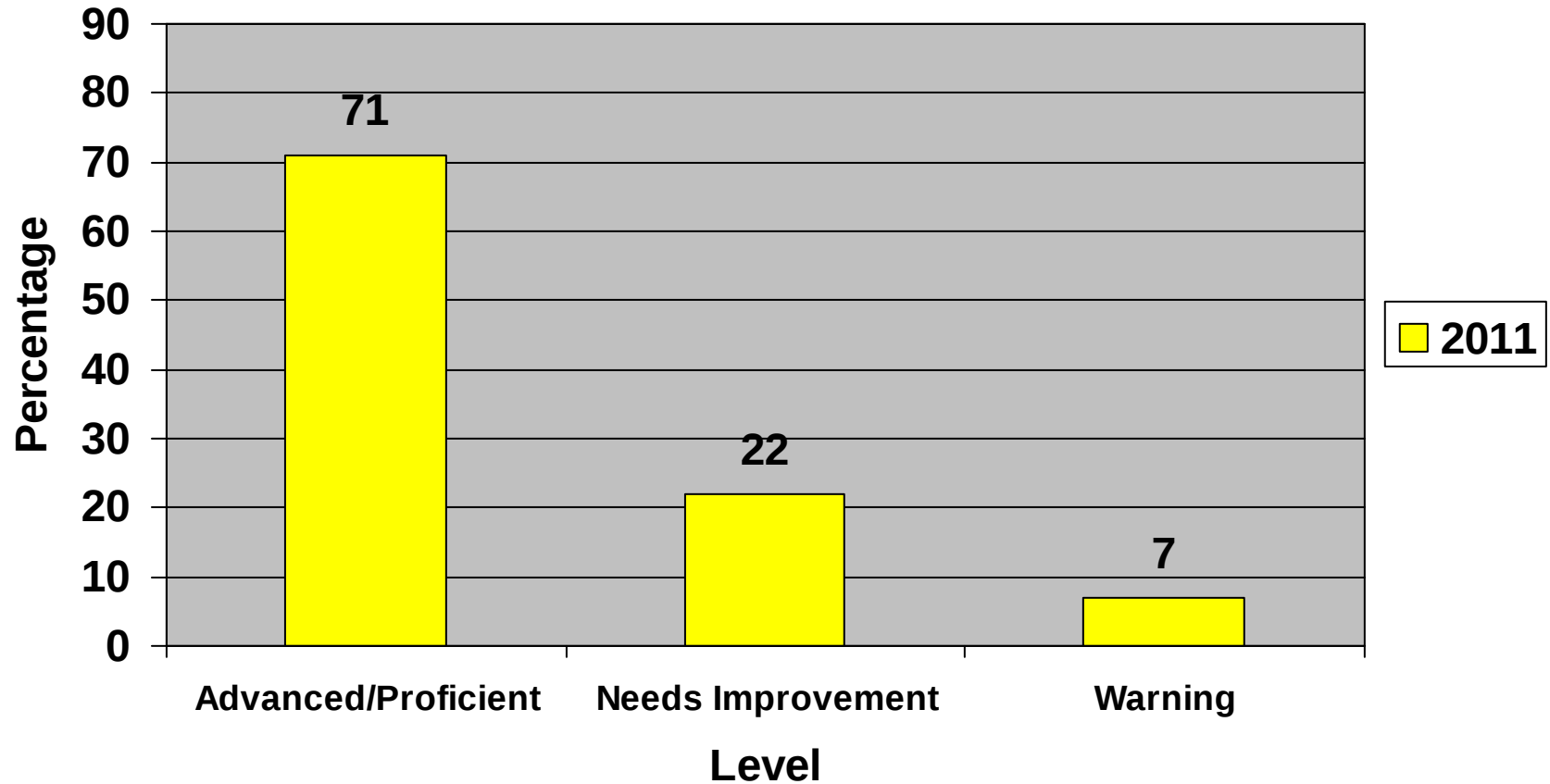


Science & Technology/Engineering Grade 8

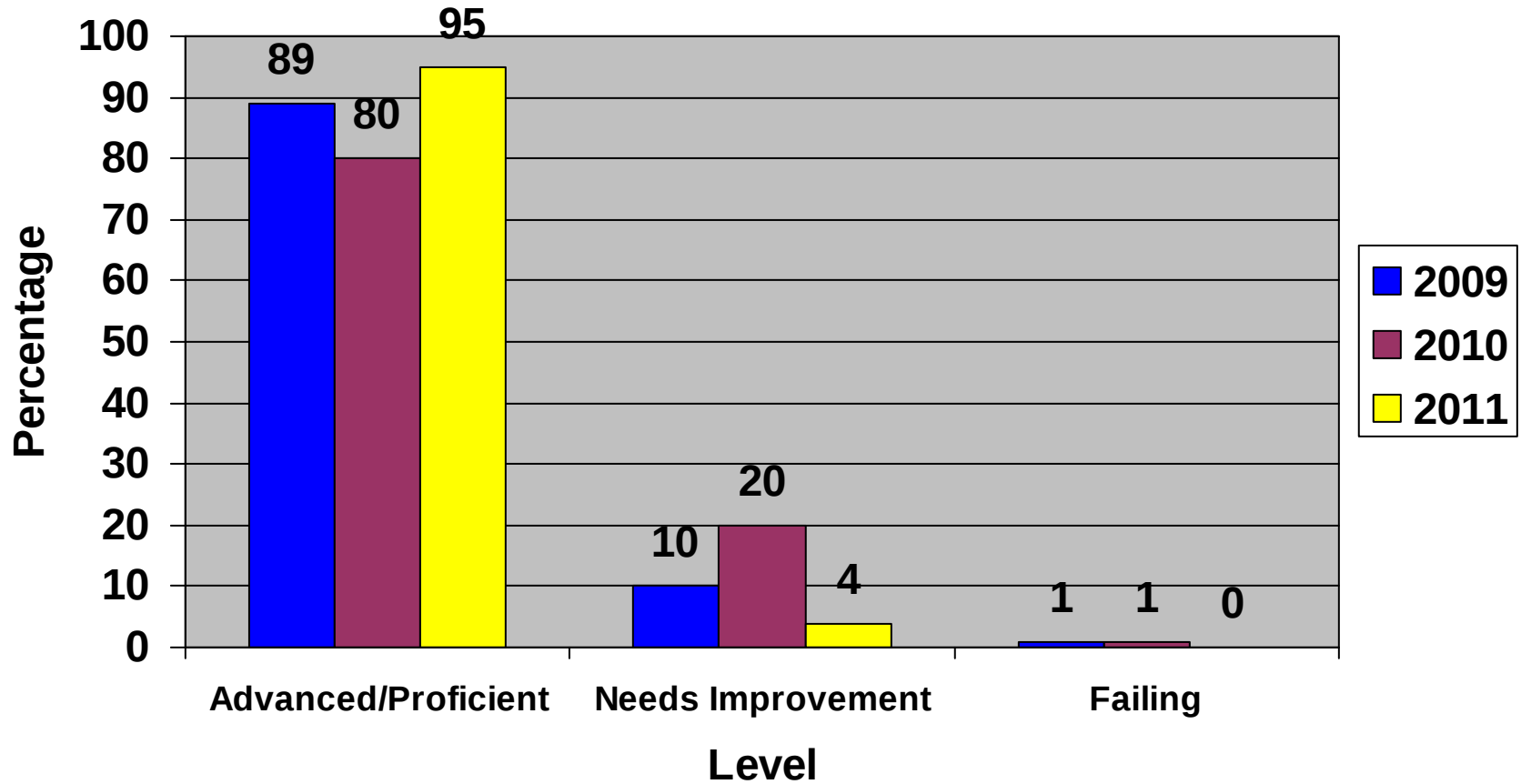


Introduction to Physics

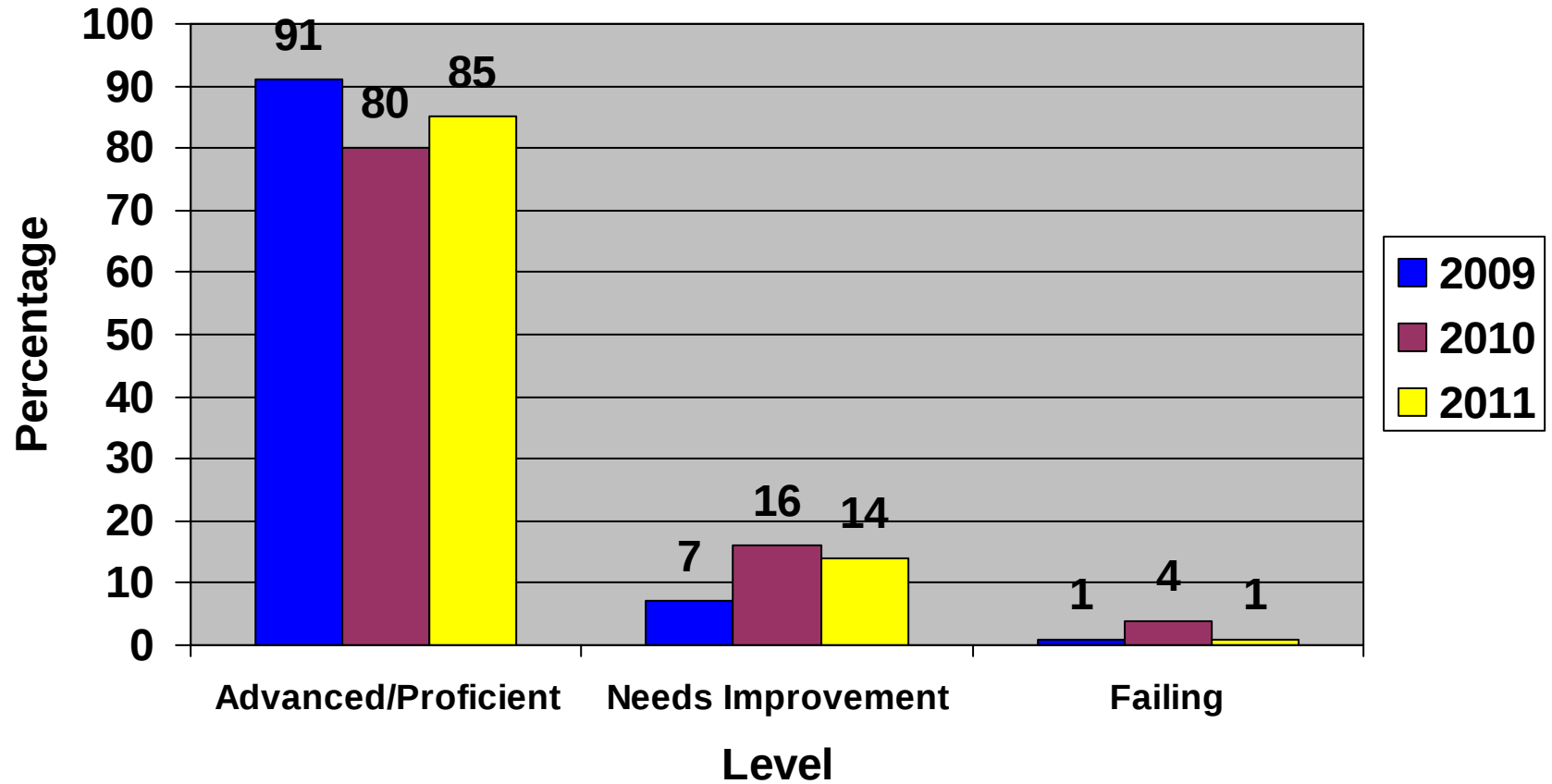
Grade 9



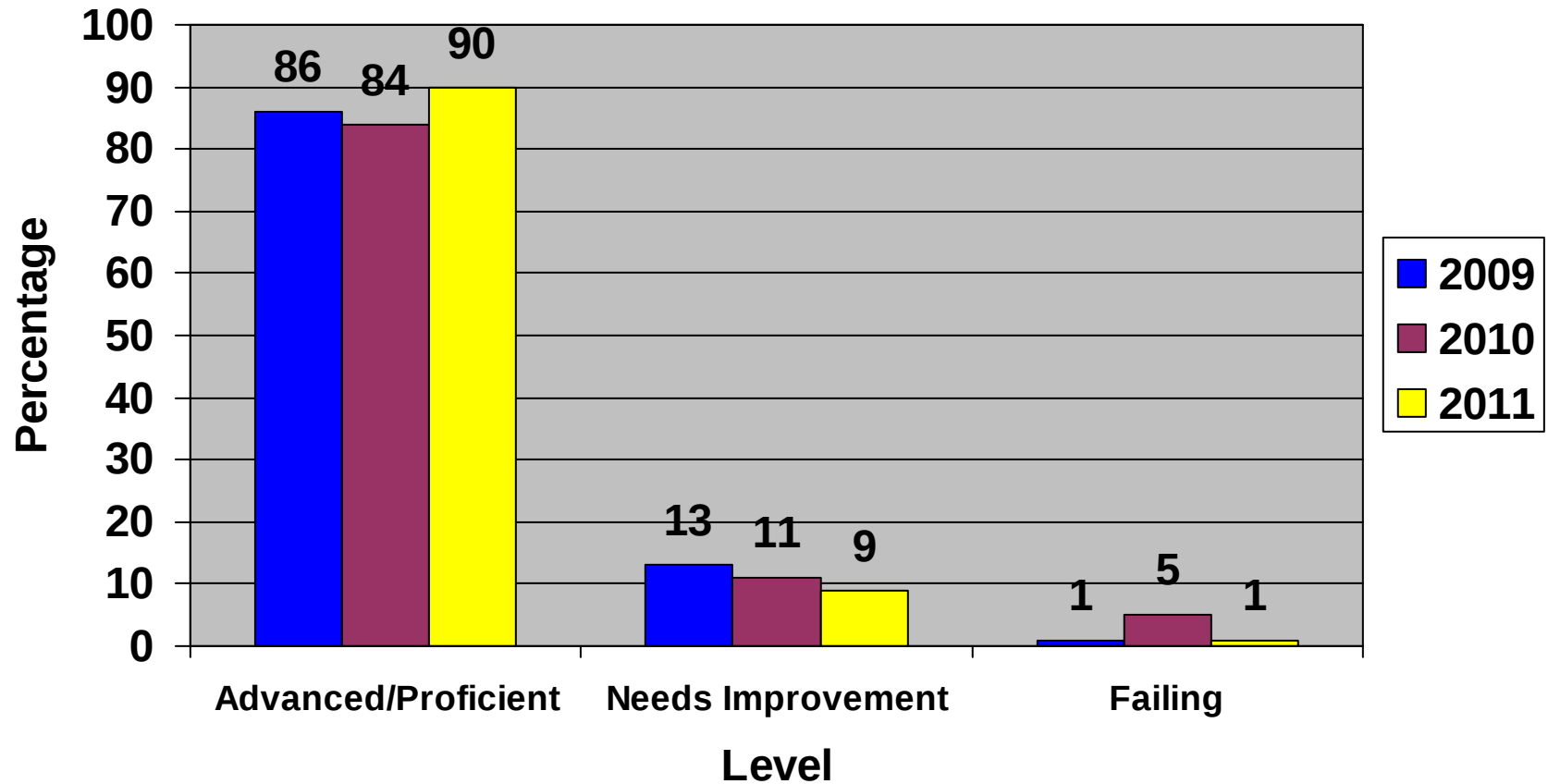
English Language Arts Grade 10



Mathematics Grade 10



Science & Technology/Engineering Grade 10



District Analysis & Review Tool

DART

District Analysis and Review Tool

- Allows user to make meaningful comparisons to comparable school districts
- Comparable districts provided by DESE based on student enrollment and demographics
 - % of low income students
 - Total enrollment
 - % of limited English proficient students
 - % of special education students
 - Grade configuration

District Analysis and Review Tool

Comparable Districts' Data for 2010

	2010 MCAS % Advanced/Proficient		2010 MCAS Growth	
	ELA	Math	ELA	Math
Adams-Cheshire	61%	50%	42.0	49.0
Avon	69%	61%	52.0	50.0
Central Berkshire	70%	56%	36.0	43.0
Fairhaven	71%	55%	39.0	43.0
Hull	66%	57%	36.0	45.0
Mohawk Trail	67%	55%	44.0	49.0
Oxford	65%	51%	48.0	47.0
Pioneer Valley	65%	52%	51.0	49.0
Quaboag Regional	61%	49%	45.0	50.0
Southern Berkshire	72%	54%	51.0	57.0
Spencer - E. Brookfield	65%	49%	37.0	46.0

District Analysis and Review Tool

Comparable Districts' Data for 2011

	2011 MCAS % Advanced/Proficient		2011 MCAS Growth	
	ELA	Math	ELA	Math
Adams-Cheshire	61%	44%	48.0	41.0
Avon	73%	62%	57.0	55.5
Central Berkshire	70%	55%	40.0	38.5
Fairhaven	74%	58%	40.0	39.0
Hull	74%	58%	52.0	45.5
Mohawk Trail	67%	59%	40.0	48.0
Oxford	64%	51%	42.0	50.0
Pioneer Valley	69%	55%	53.0	53.0
Quaboag Regional	63%	53%	45.0	57.0
Southern Berkshire	77%	53%	58.0	48.0
Spencer - E. Brookfield	61%	47%	31.0	39.0

MCAS Improvement Efforts

Jacobs School

MCAS Improvement Efforts

2010-2011	2011-2012
•Targeted students with needs improvement or warning in MCAS for tutoring during school •Literacy coaches and grade level teachers developed common lessons •Created and discussed school MCAS goal with students •Created PIM team to analyze data	•Continue targeted tutoring during school •Provide math professional development •Continue year-long professional development in writing •Engage PIM team to analyze data

Memorial School

MCAS Improvement Efforts

2011-2012

- Develop math performance and improvement program
- Provide coordinated professional development in Writing (John Collins)
- Create 8th grade science targeted units of review
- Laser-like focus on data analysis through PIM

Hull High School

MCAS Improvement Efforts

2010-2011	2011-2012
• Provided professional development time to look at data and developed a school-wide plan • Engaged open response writing each week in ELA, Introductory Physics and math classes	• Create professional learning communities ▪ Examining data ▪ Presenting findings and plan to faculty • Provide open response writing each week in ELA, Introductory Physics and math classes • Provide tutoring

District MCAS Improvement Efforts

2010-2011

- Facilitated ELA open response writing district wide
- Visited three schools with teachers and administrators to glean best practices
- Focused on Collins' Writing at the Jacobs School
- Convened a Teaching, Learning and Professional Development Committee

District MCAS Improvement Efforts

July and August 2011

- Provided Differentiated Instruction I–cohort 1 (4 credit course/Simmons College)
- Convened K-12 ELA Vertical Team
- Engaged trainers – Categories 3 and 4 to support English Language Learners
- Redesign teacher mentoring program

District

MCAS Improvement Efforts

2011-2012 Fall

- Provided training to administrators in Instruction Rounds
- Provide Differentiated Instruction I–cohort 2 (4 credit course/Simmons College)
- Provide Category I training (1 credit course/Endicott College)
- Provide TestWiz training

District MCAS Improvement Efforts 2011-2012

- Provide Category 4 training for MS/HS cohort of teachers – district trainers
- Analyze data on K-8 district data day (November 1)
- Extend Collins Writing to Middle School
- Provide professional development in reading, math, and formative assessment

District MCAS Improvement Efforts

2011-2012

- Reconvene ELA Vertical Team and the Teaching, Learning and Professional Development Team
- Convene Math Vertical Team
- Identify consultant to provide embedded professional development in mathematics
- Provide Category 2 and Collins' Writing courses
- Engage K-12 professional development in May – reflections of promising practices

Hull Public Schools

Continuous Progress