

# ISAT Cohort Study 2011

Millburn CCSD 24  
January 9, 2012  
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# Goals

- Explain the ISAT Exceeds standard as it pertains to subject and grade
- Present 2008-2011 ISAT Meets/Exceeds district scores for each grade level
- Explain the concept of grade-level cohorts
- Present Millburn District's performance by grade-level cohorts
- Analyze the data using ISAT cohort data



# How Does One Define Exceed?

- Typically, the “Exceeds” percentile in a norm referenced test like CAT or SAT or ACT is 90<sup>th</sup> percentile and above.
- 90<sup>th</sup> to 94<sup>th</sup> percentile is considered “Low Exceeds.”
- 95<sup>th</sup> percentile and above is considered “Exceeds” to “High Exceeds”

# How Does Illinois Define Exceed in Connection to ISAT?

Definition depends on two variables

- Subject
- Grade

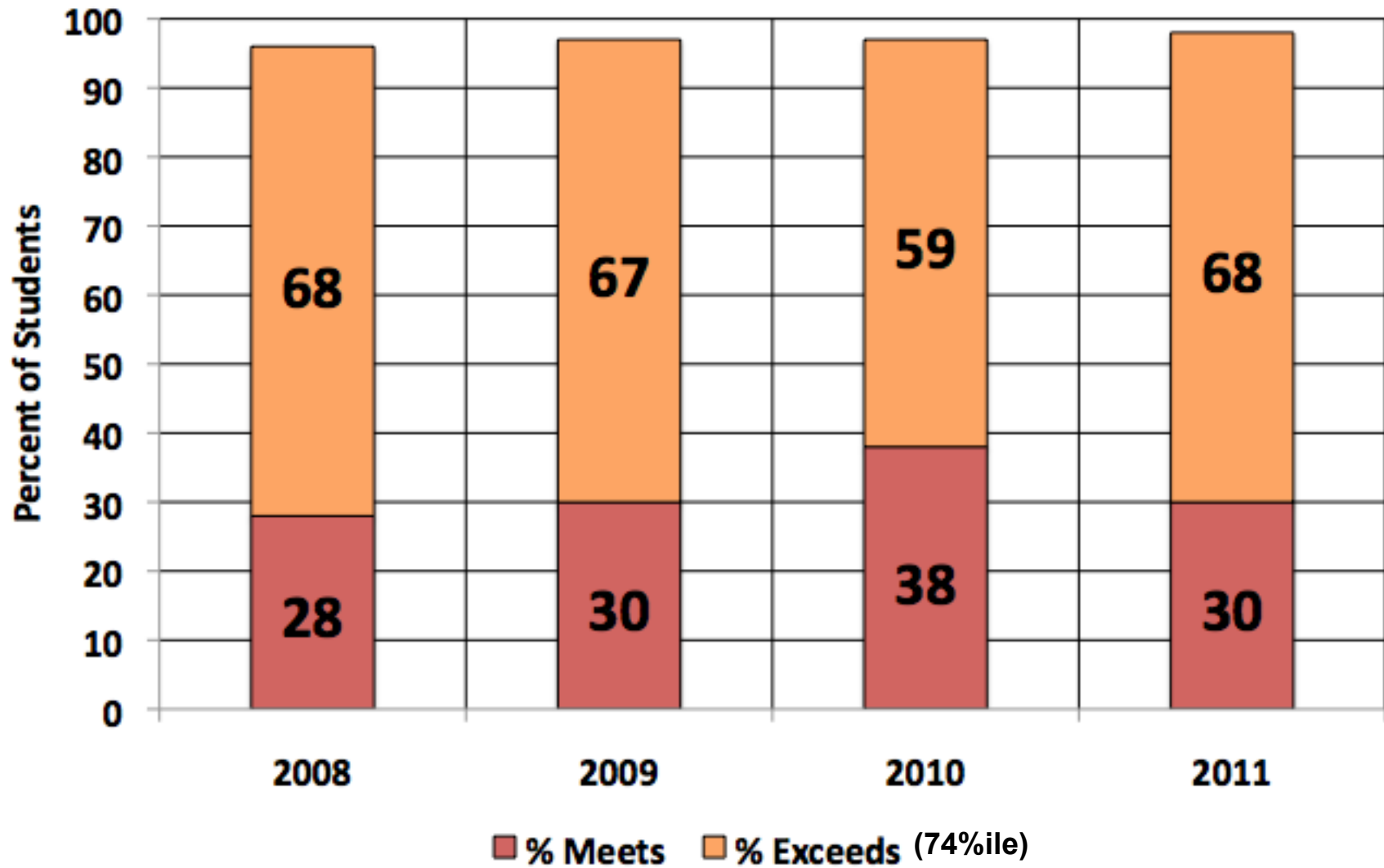
and... Something We Do Not Know



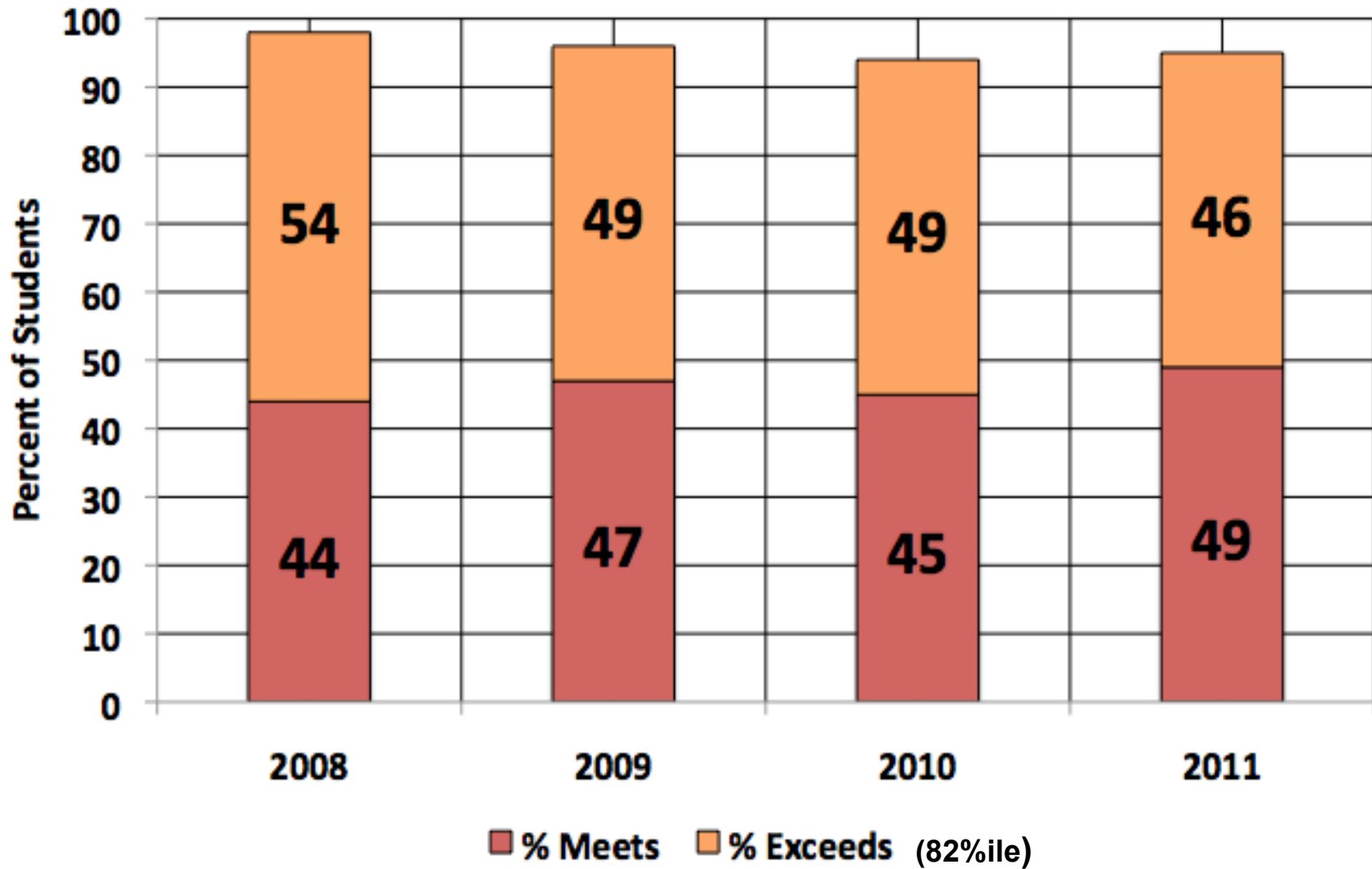
# Data by Grade

<b>Grade Level</b>	<b>ISAT Mathematics Exceeds Percentile</b>
<b>2<sup>nd</sup> Grade</b>	<b>N/A</b>
<b>3<sup>rd</sup> Grade</b>	<b>74<sup>th</sup></b>
<b>4<sup>th</sup> Grade</b>	<b>82<sup>nd</sup></b>
<b>5<sup>th</sup> Grade</b>	<b>89<sup>th</sup></b>
<b>6<sup>th</sup> Grade</b>	<b>85<sup>th</sup></b>
<b>7<sup>th</sup> Grade</b>	<b>76<sup>th</sup></b>
<b>8<sup>th</sup> Grade</b>	<b>70<sup>th</sup></b>
	<b>90<sup>th</sup>ile and above = TRUE EXCEEDS</b>

## ISAT - 3rd Grade District Math Meets/Exceeds

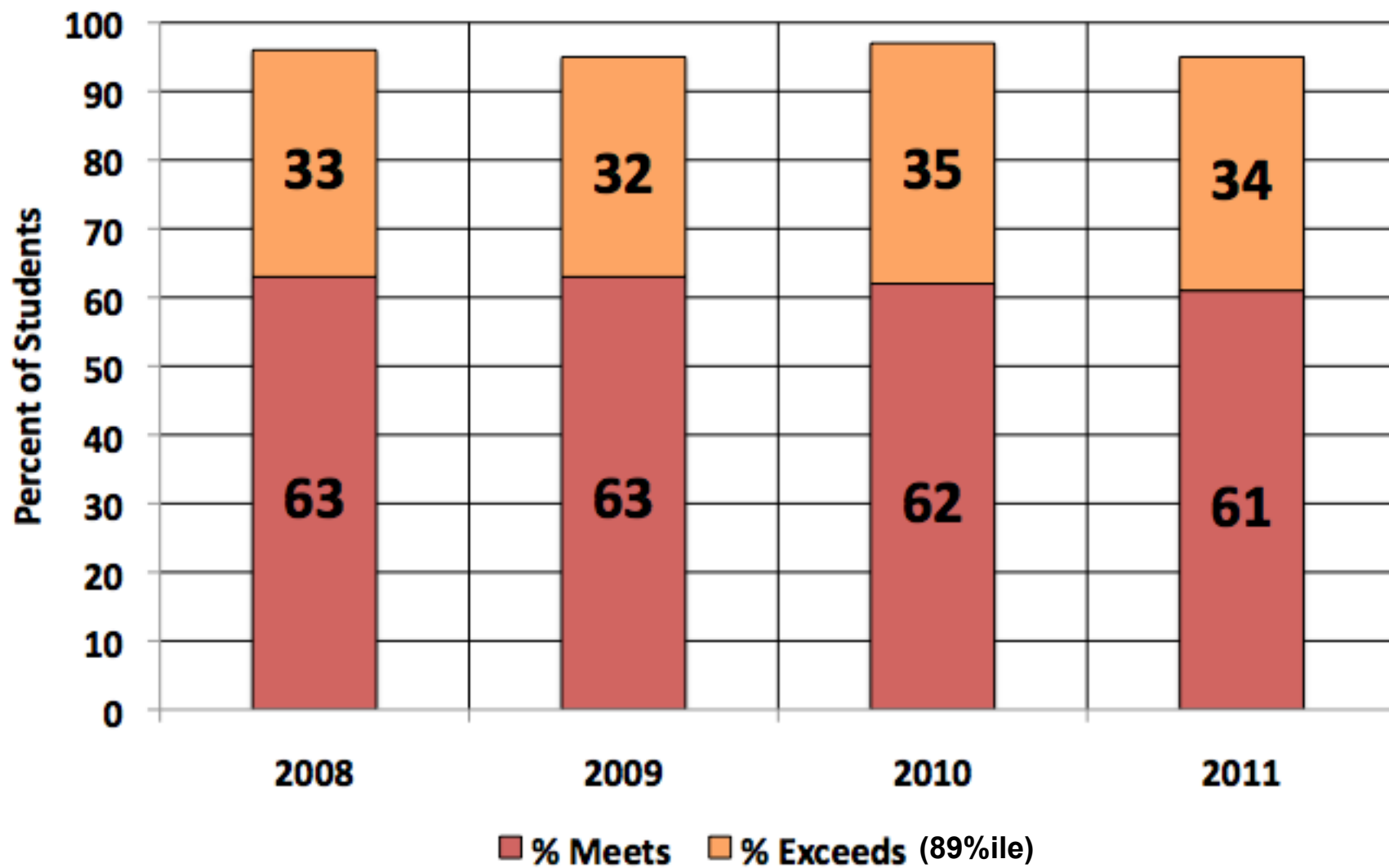


## ISAT - 4th Grade District Math Meets/Exceeds

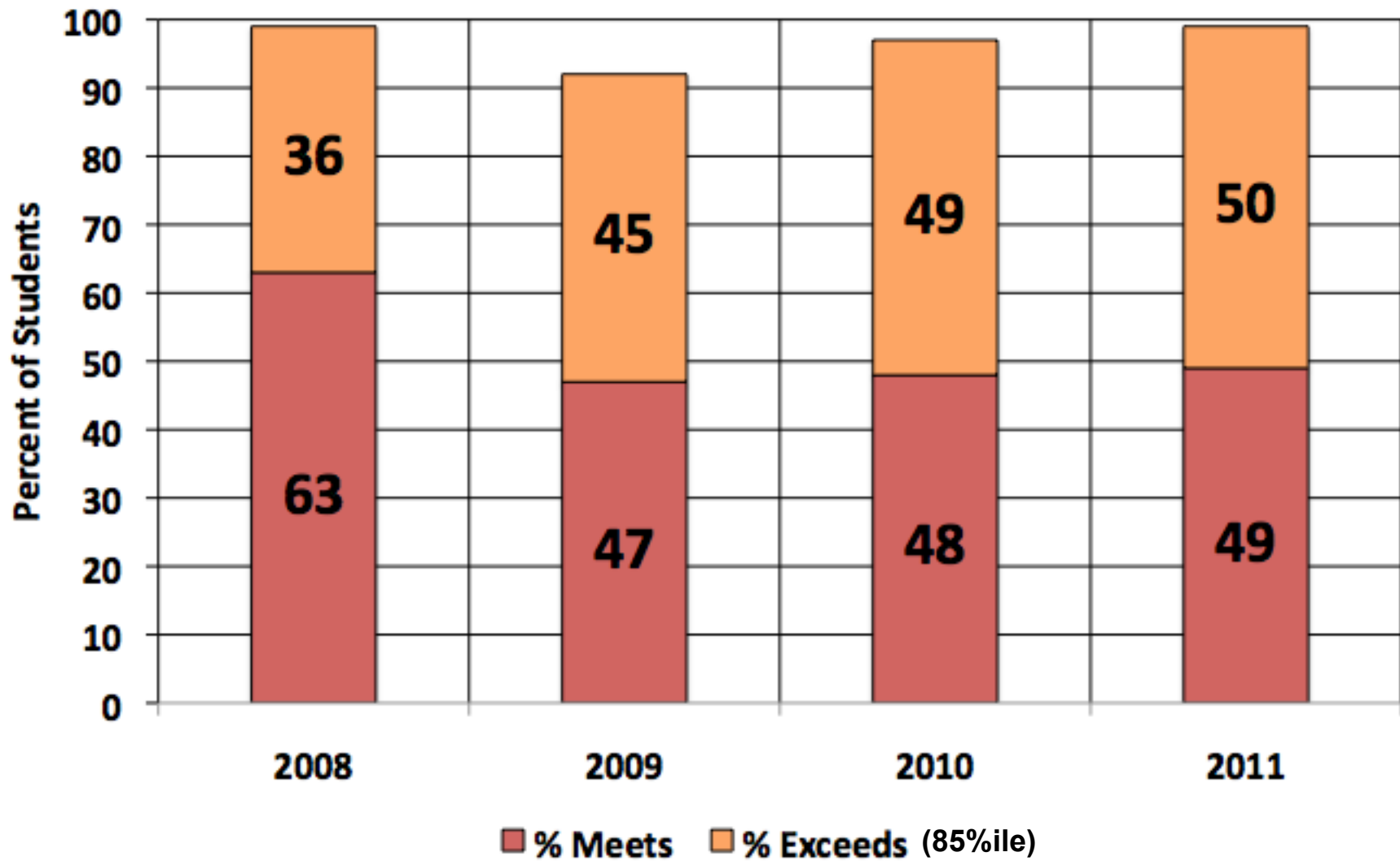




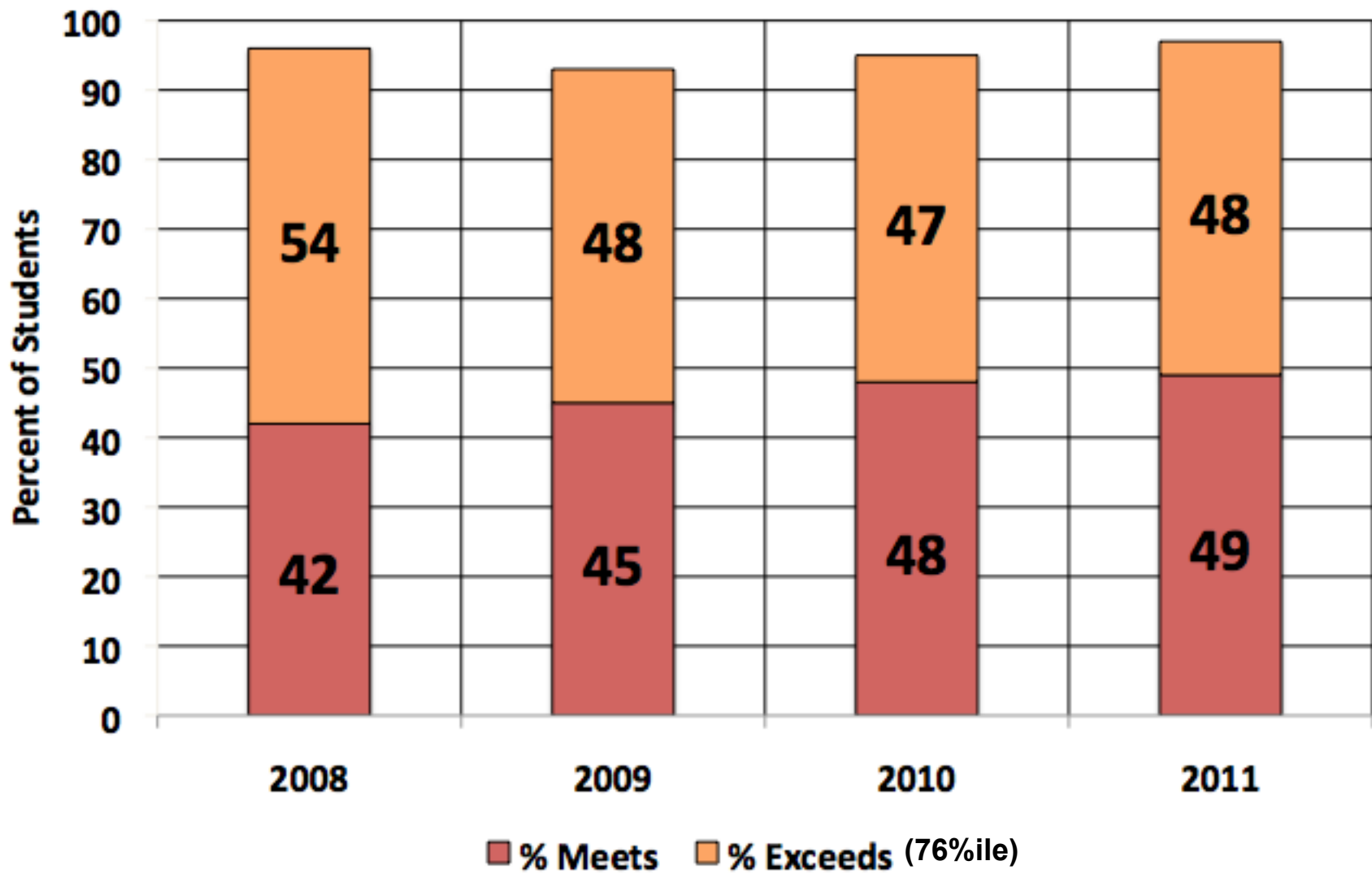
## ISAT - 5th Grade District Math Meets/Exceeds



## ISAT - 6th Grade District Math Meets/Exceeds

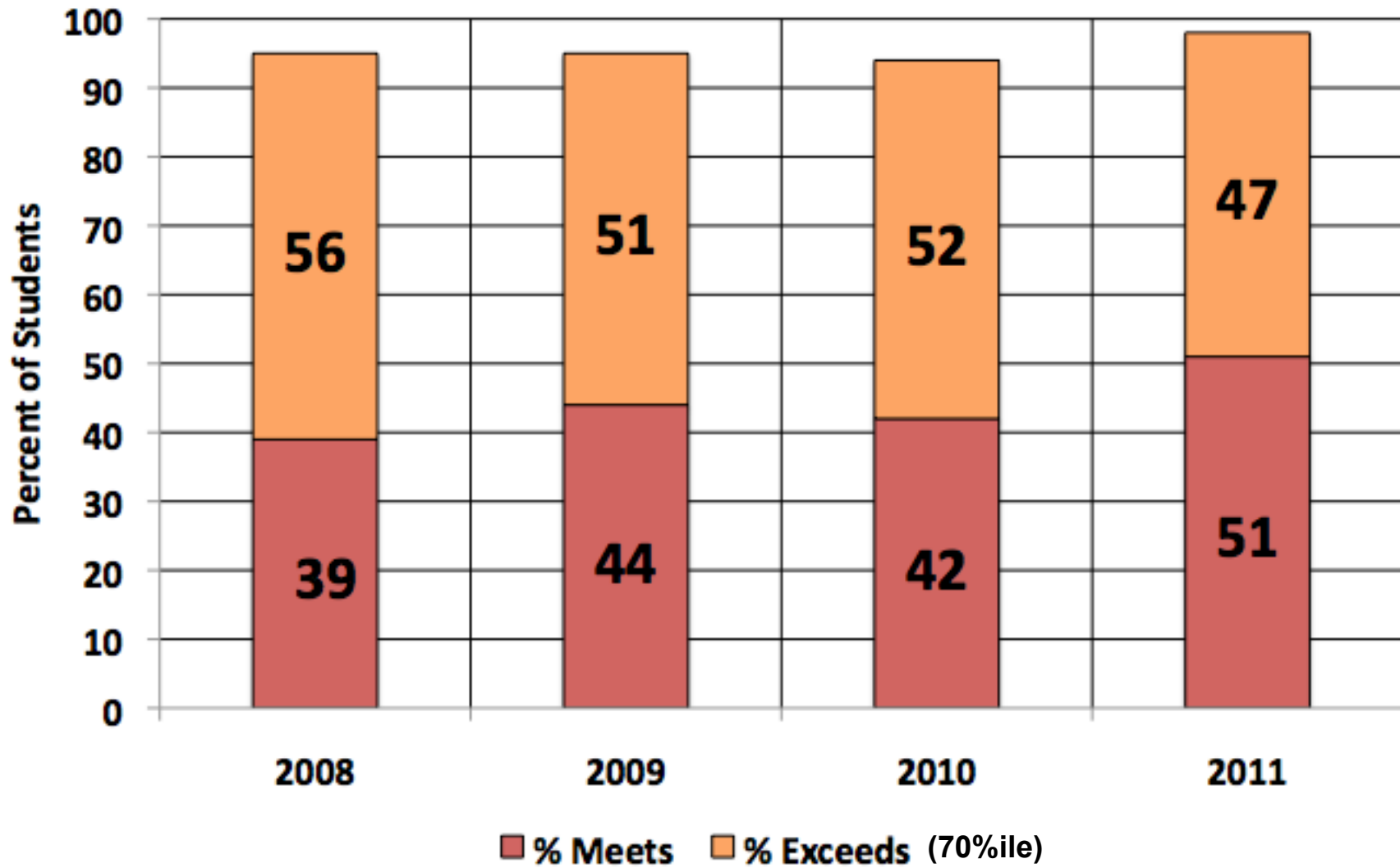


## ISAT - 7th Grade District Math Meets/Exceeds



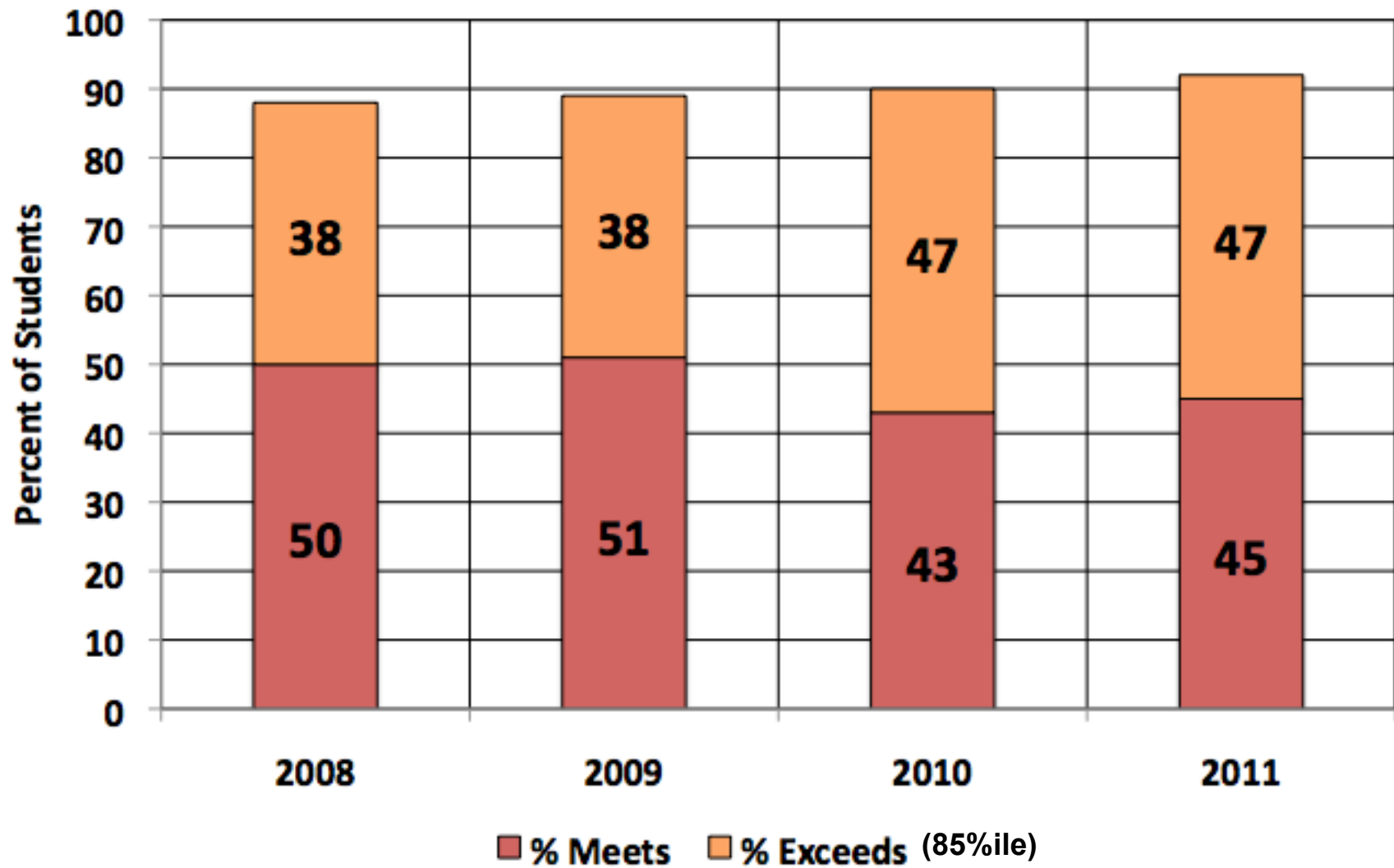


## ISAT - 8th Grade District Math Meets/Exceeds



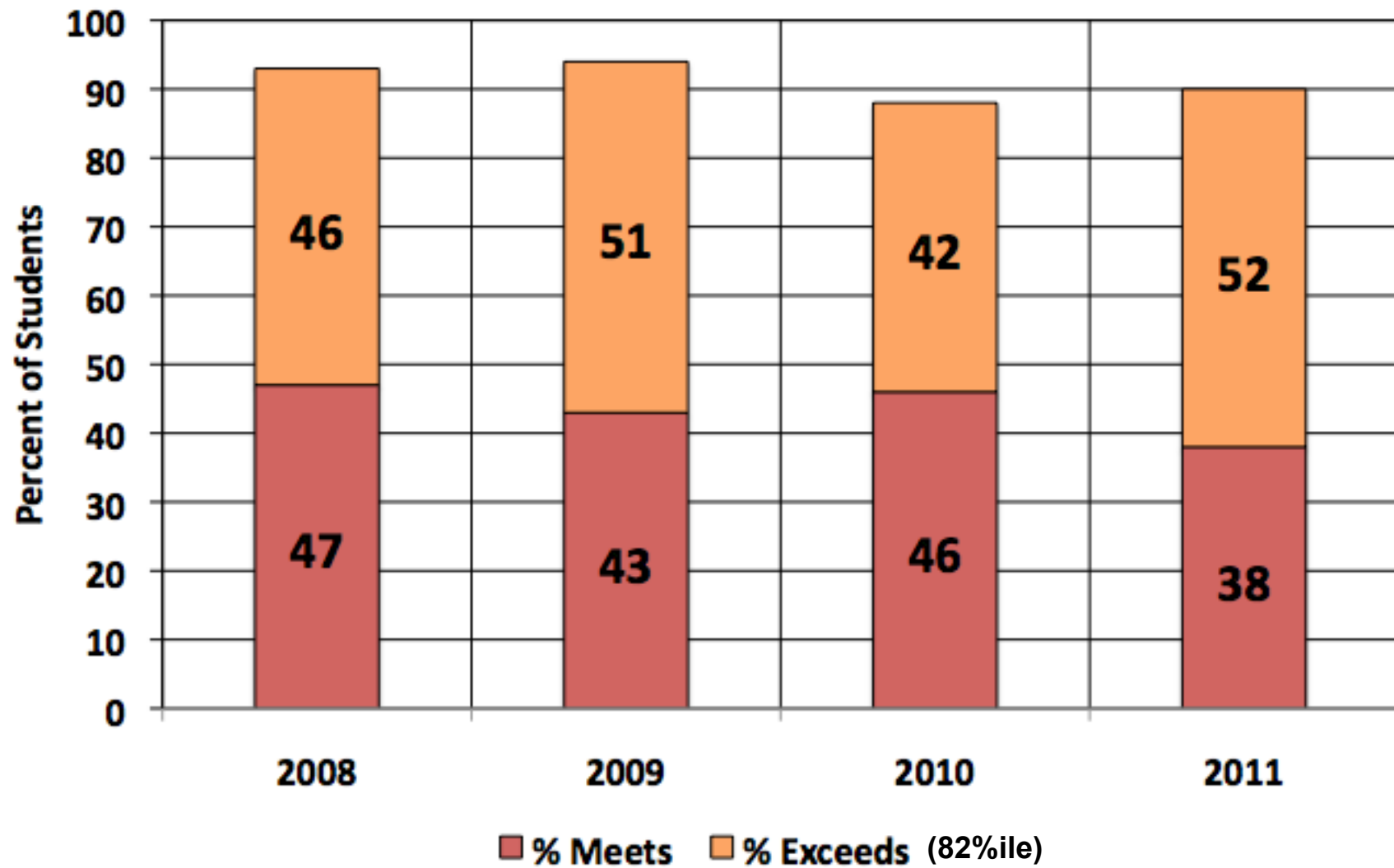
<b>Grade Level</b>	<b>ISAT Reading Exceeds Percentile</b>
<b>2<sup>nd</sup> Grade</b>	<b>N/A</b>
<b>3<sup>rd</sup> Grade</b>	<b>85<sup>th</sup></b>
<b>4<sup>th</sup> Grade</b>	<b>82<sup>nd</sup></b>
<b>5<sup>th</sup> Grade</b>	<b>82<sup>nd</sup></b>
<b>6<sup>th</sup> Grade</b>	<b>79<sup>th</sup></b>
<b>7<sup>th</sup> Grade</b>	<b>88<sup>th</sup></b>
<b>8<sup>th</sup> Grade</b>	<b>91<sup>st</sup></b>
	<b>90<sup>th</sup>ile and above = TRUE EXCEEDS</b>

## ISAT - 3rd Grade Reading Meets/Exceeds District

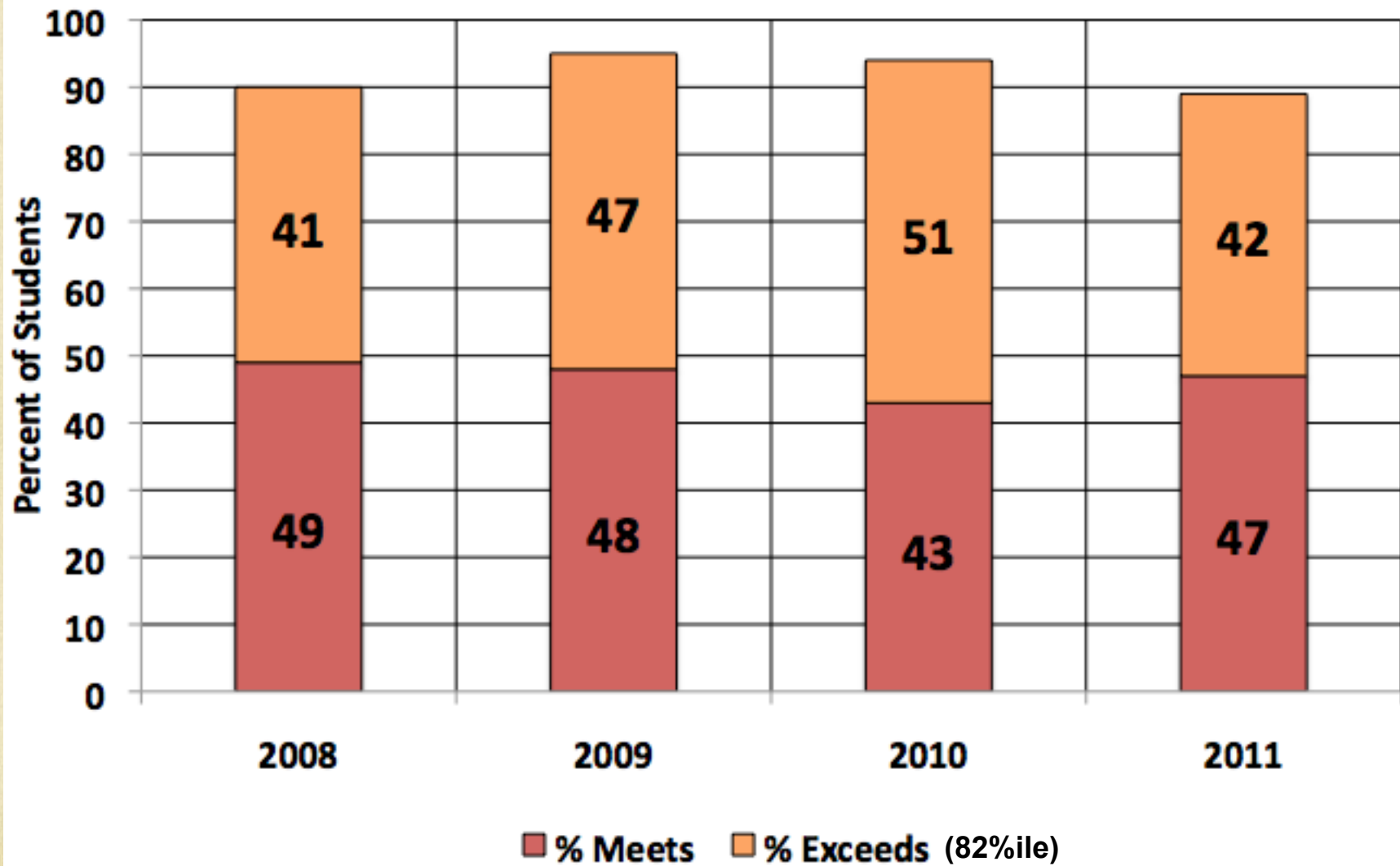




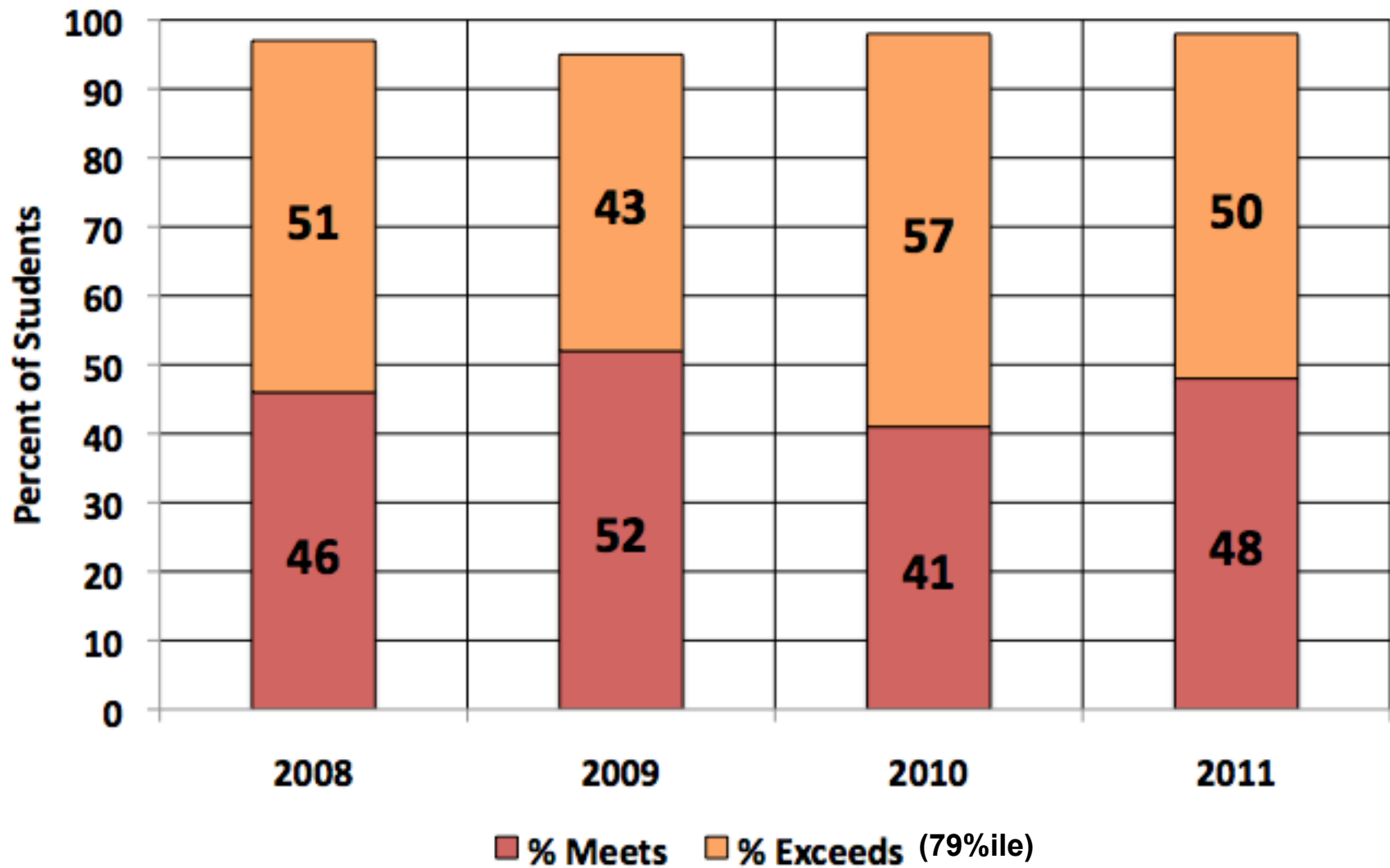
## ISAT - 4th Grade Reading Meets/Exceeds District



## ISAT - 5th Grade Reading Meets/Exceeds District

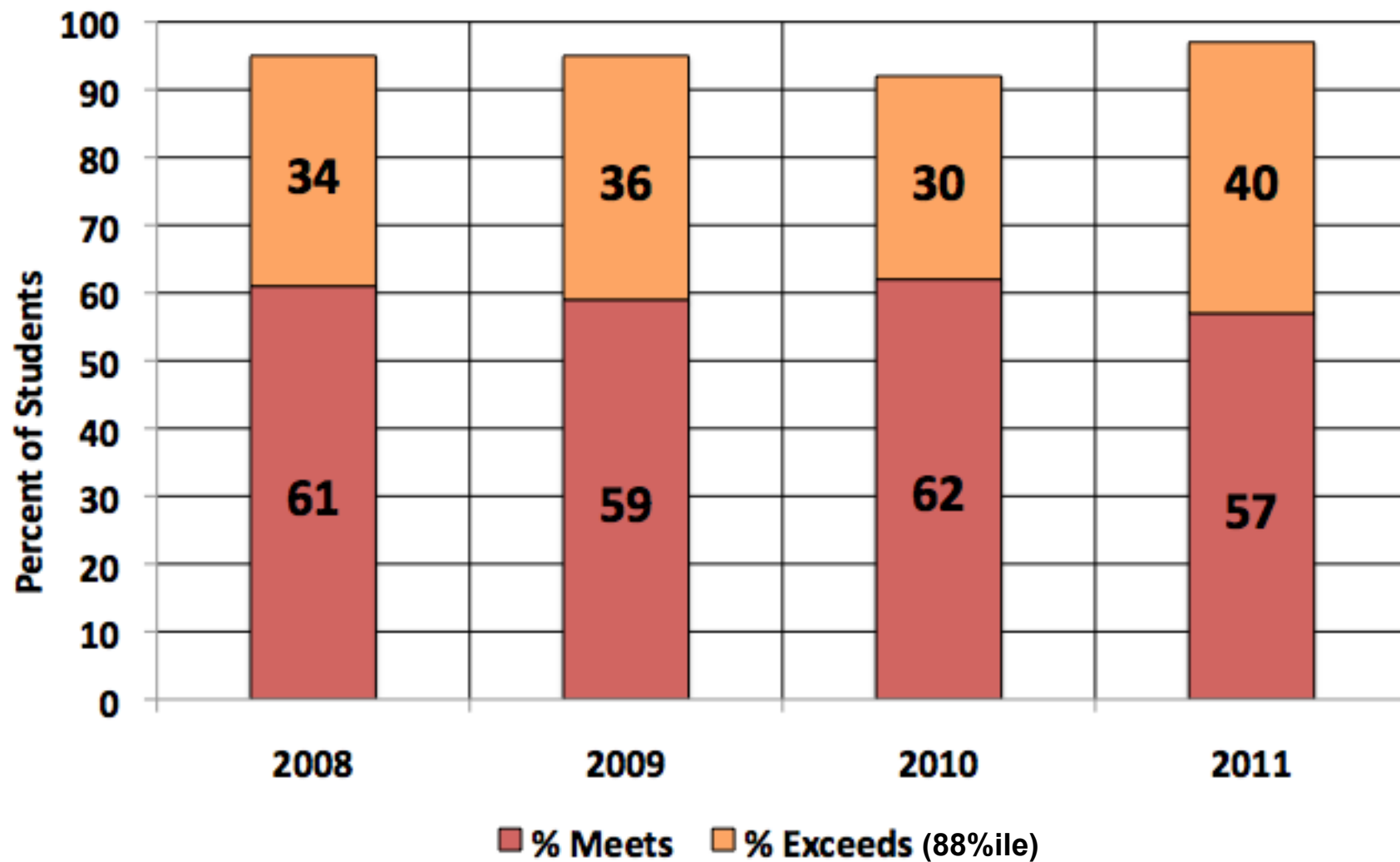


## ISAT - 6th Grade Reading Meets/Exceeds District

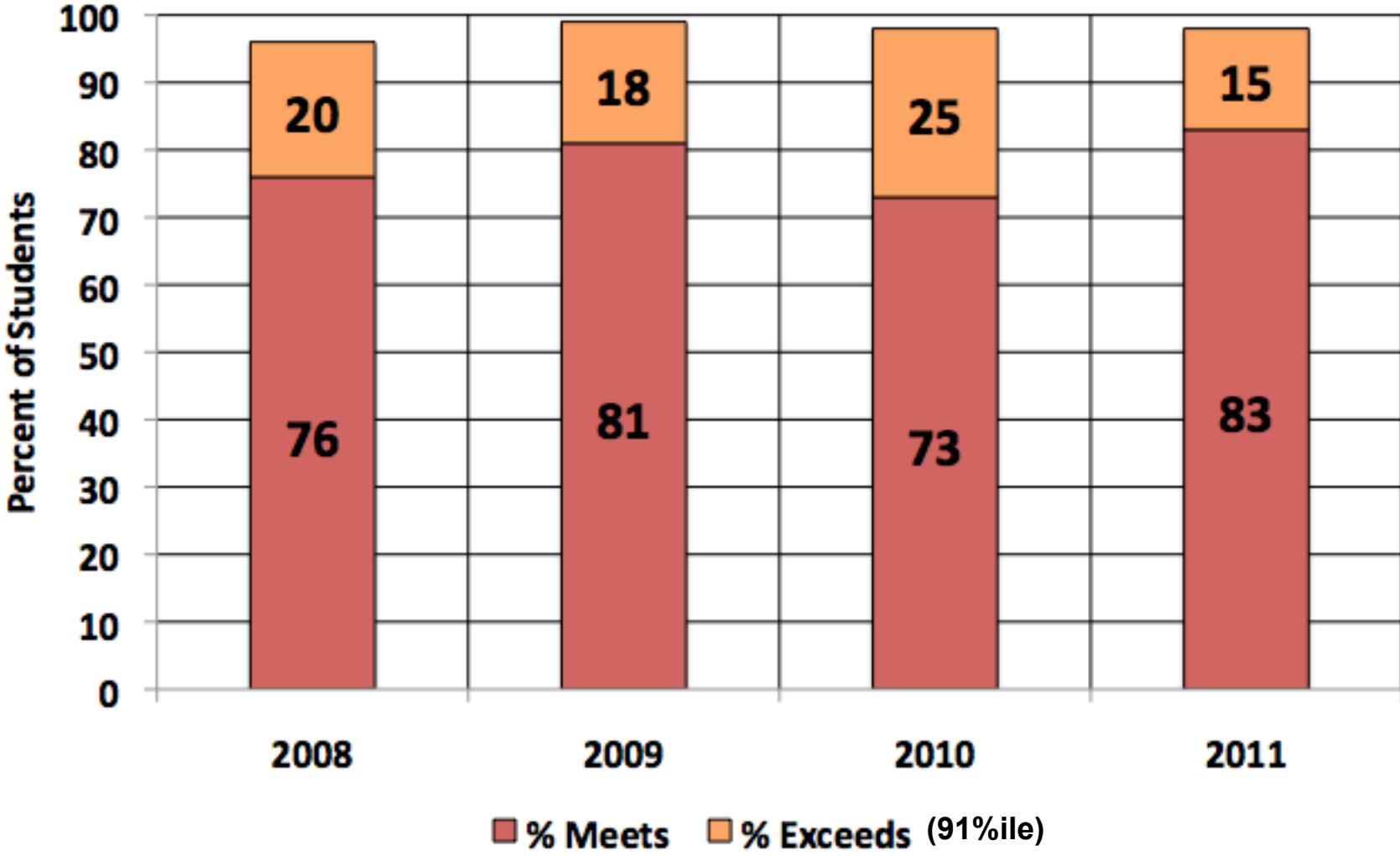




## ISAT - 7th Grade Reading Meets/Exceeds District



# ISAT - 8th Grade Reading Meets/Exceeds District



# Data by Cohort



# Concept of Cohorts

Dictionary Definition: A cohort is a group of individuals that have a statistical factor (age, class, grade, etc.) in common in a demographic study.

Definition for our Purpose: A cohort is a group of students whose Meets/Exceeds test results are documented over time (from 3<sup>rd</sup> grade through their grade level in Spring 2011) in the district.

# Purpose for Viewing Cohorts

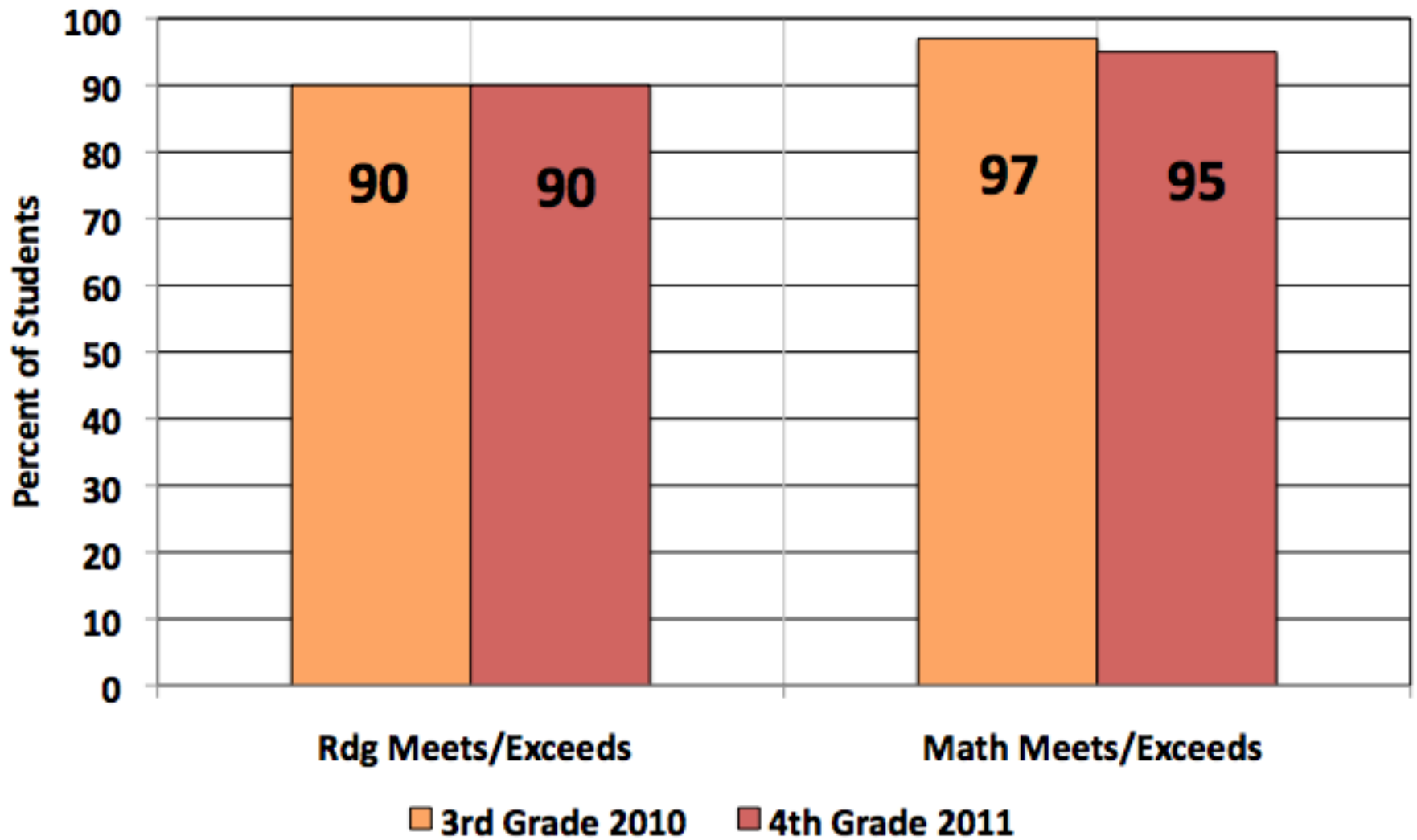
Is the success level of the students in the cohort being sustained?

Are the students continuing to grow in their knowledge and skills over the years?



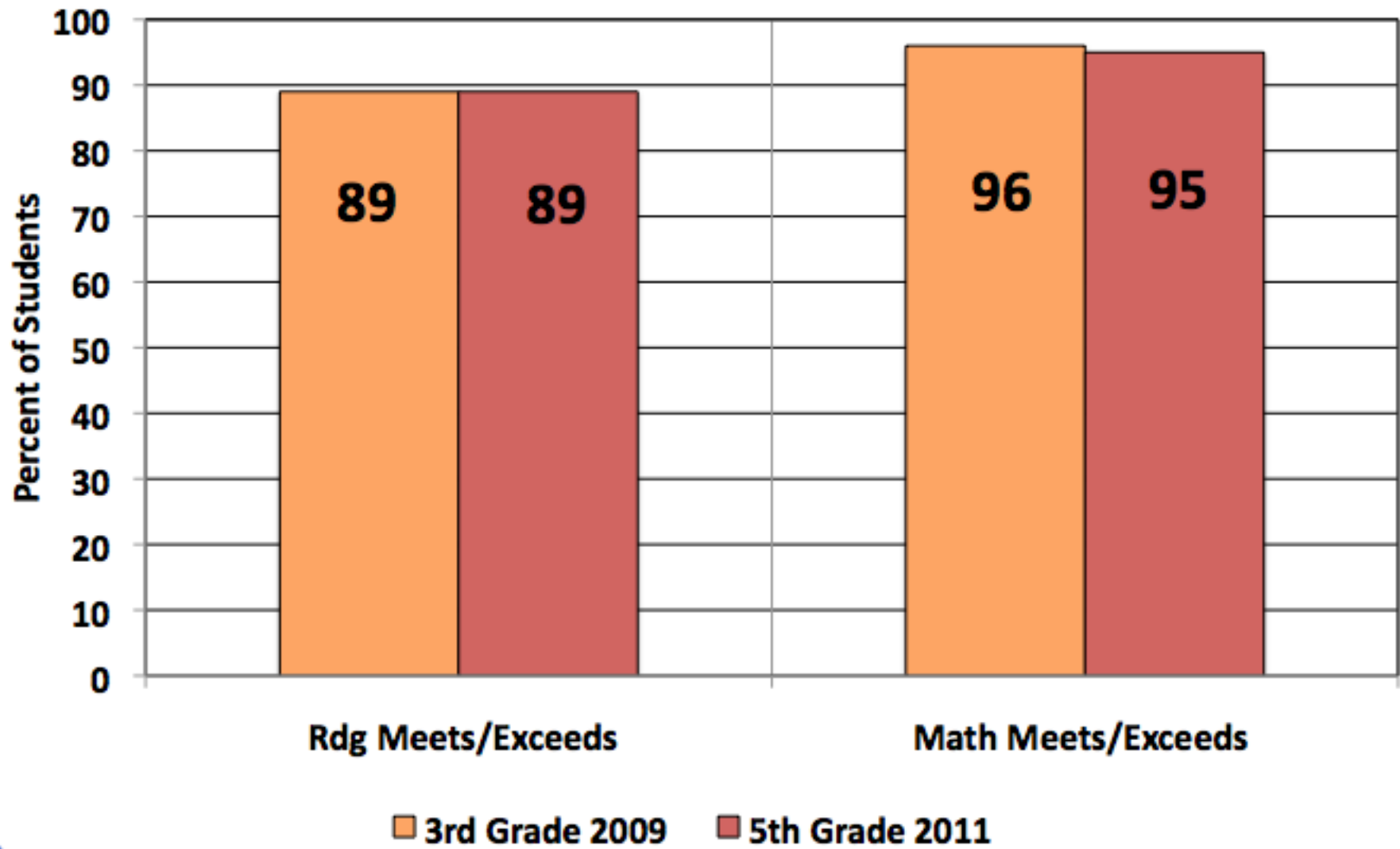
# Reading and Math

### ISAT - Cohort Gr. 3 to Gr. 4

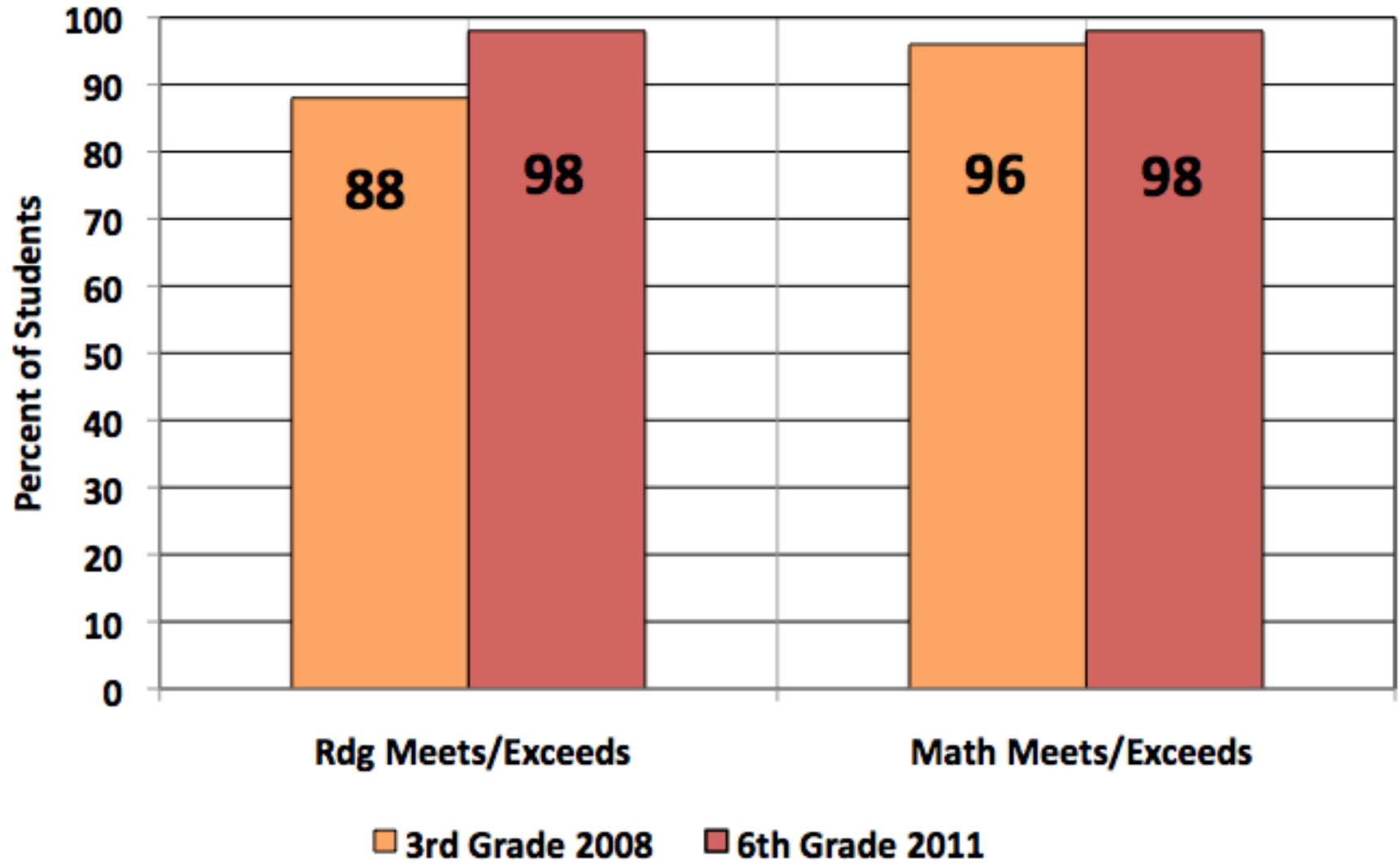




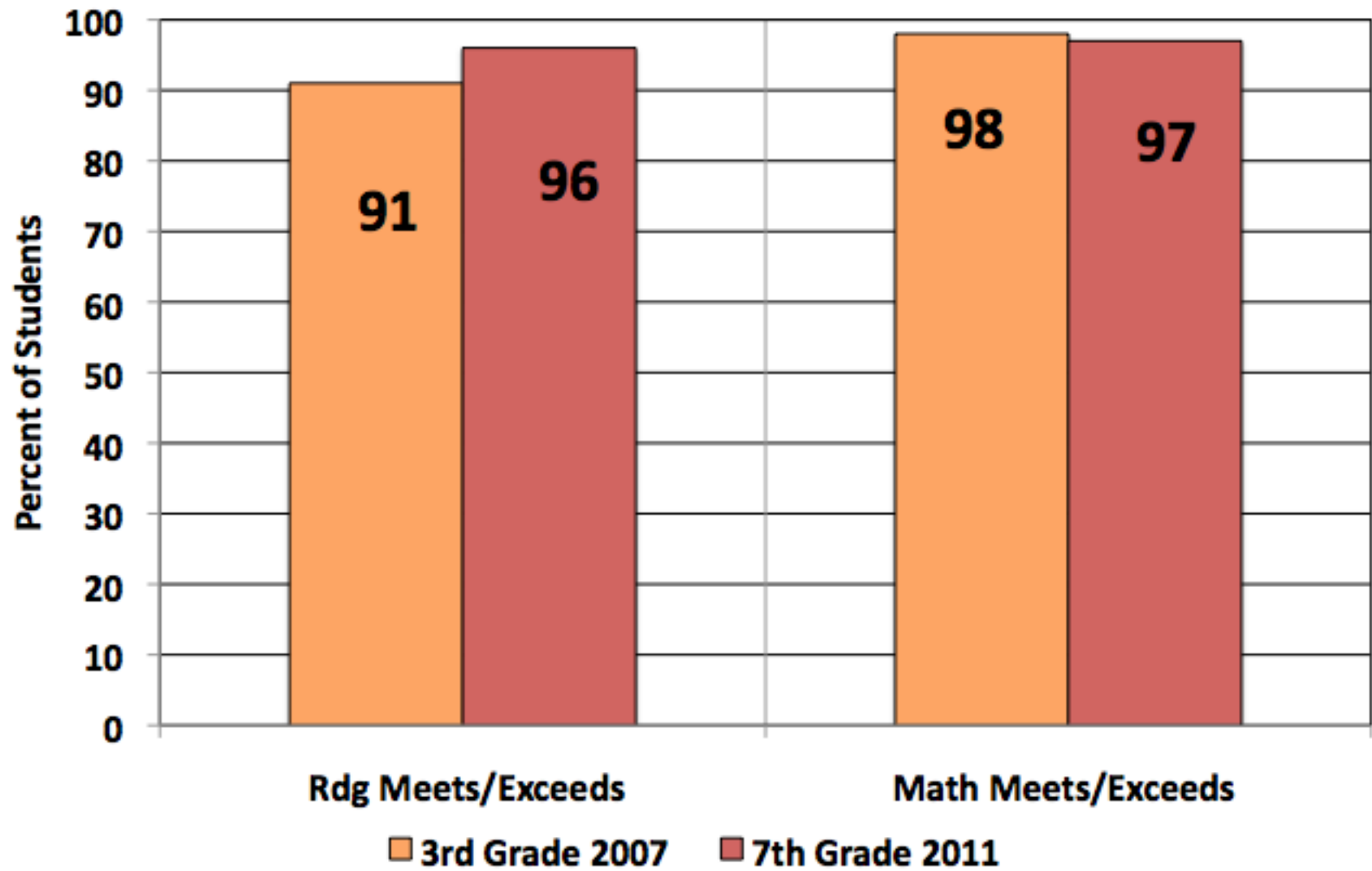
### ISAT - Cohort Gr. 3 to Gr. 5



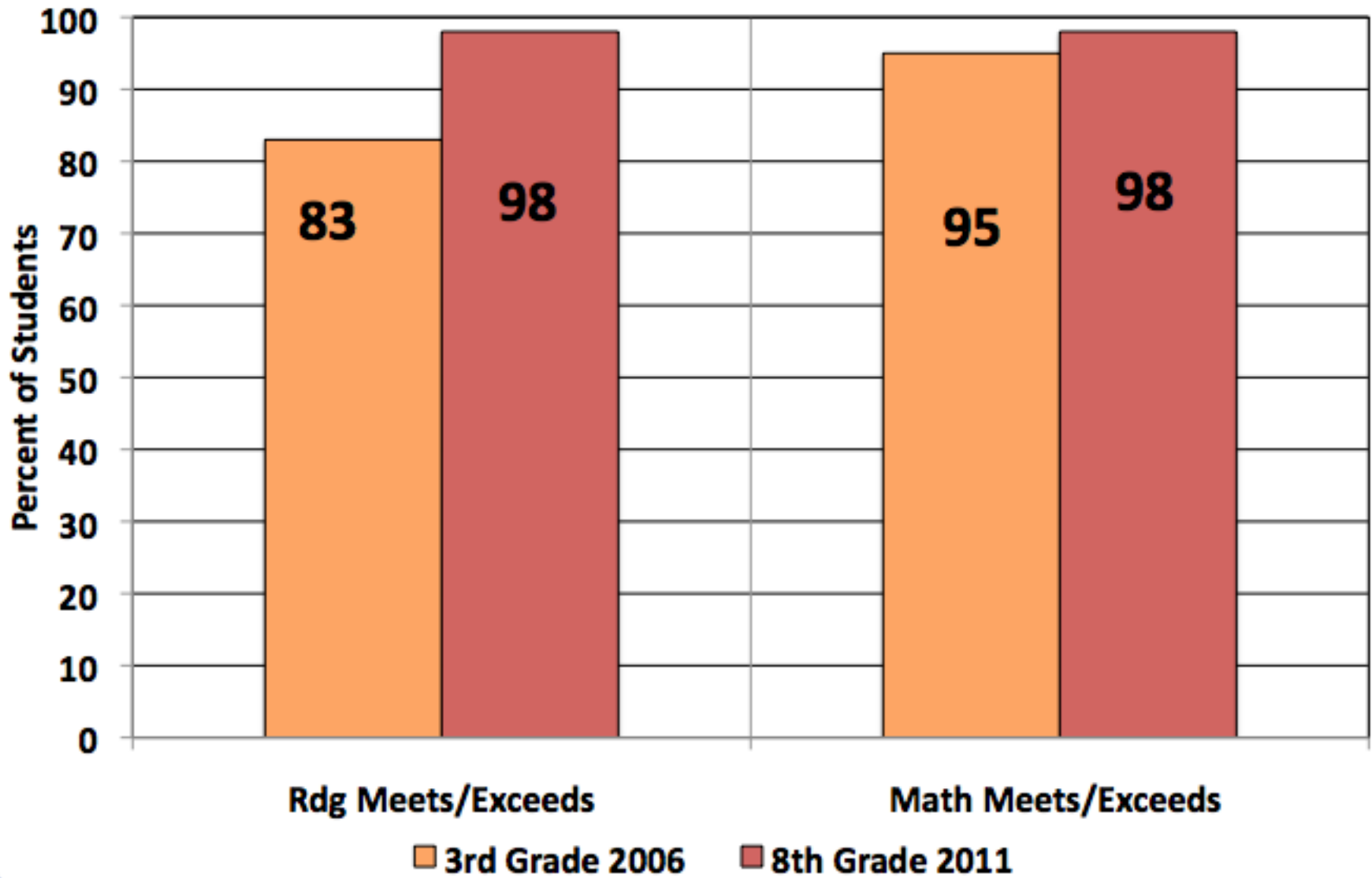
### ISAT - Cohort Gr. 3 to Gr. 6



### ISAT - Cohort Gr. 3 to Gr. 7



### ISAT - Cohort Gr. 3 to Gr. 8





# How Does One Define Meets?

- Typically, the “Meets” percentile in a norm referenced test like CAT or SAT or ACT is 50<sup>th</sup> percentile and above.
- 50<sup>th</sup> to 70<sup>th</sup> percentile is considered “Low Meets.”
- 70<sup>th</sup> to 80<sup>th</sup> percentile is considered “Meets;” the 80<sup>th</sup> to 89<sup>th</sup> percentile is considered “High Meets.”

# Meets Standards Percentile

GRADE LEVEL	READING	MATHEMATICS
3RD	35%ile	20%ile
4TH	27%ile	15%ile
5TH	32%ile	21%ile
6TH	21%ile	25%ile
7TH	20%ile	32%ile
8TH	20%ile	22%ile

**50%ile and above is a “true” meets score**

# Conclusion

Over time, from third grade to the grade it was in when the ISAT test was given in 2011, each cohort has either generally maintained or improved their level of achievement in both math and reading (based on percent of students meeting or exceeding standards).



Comments?



Source of Data:

<http://iirc.niu.edu>