

# **The Governor's Office of Student Achievement Comprehensive 2011 CRCT Analysis**



## **Analysis, Results and Recommendations**

Prepared for  
State Board of Education

April 5, 2012

# 2011 CRCT Erasure Analysis



- OSA repeated the erasure analysis in 2011 that was performed on the 2009 and 2010 CRCT answer documents:
  - Analysis performed by CTB-McGraw/Hill on all answer documents grades 3-8 for Reading, English/Language Arts, and Mathematics tests
  - $\approx 125,000$  answer documents per subject for each grade
  - Total wrong-to-right changes across a classroom were flagged at  $\geq 3$  SD above the state average
  - Individual classroom results were aggregated to school totals.

# 2011 CRCT Erasure Analysis



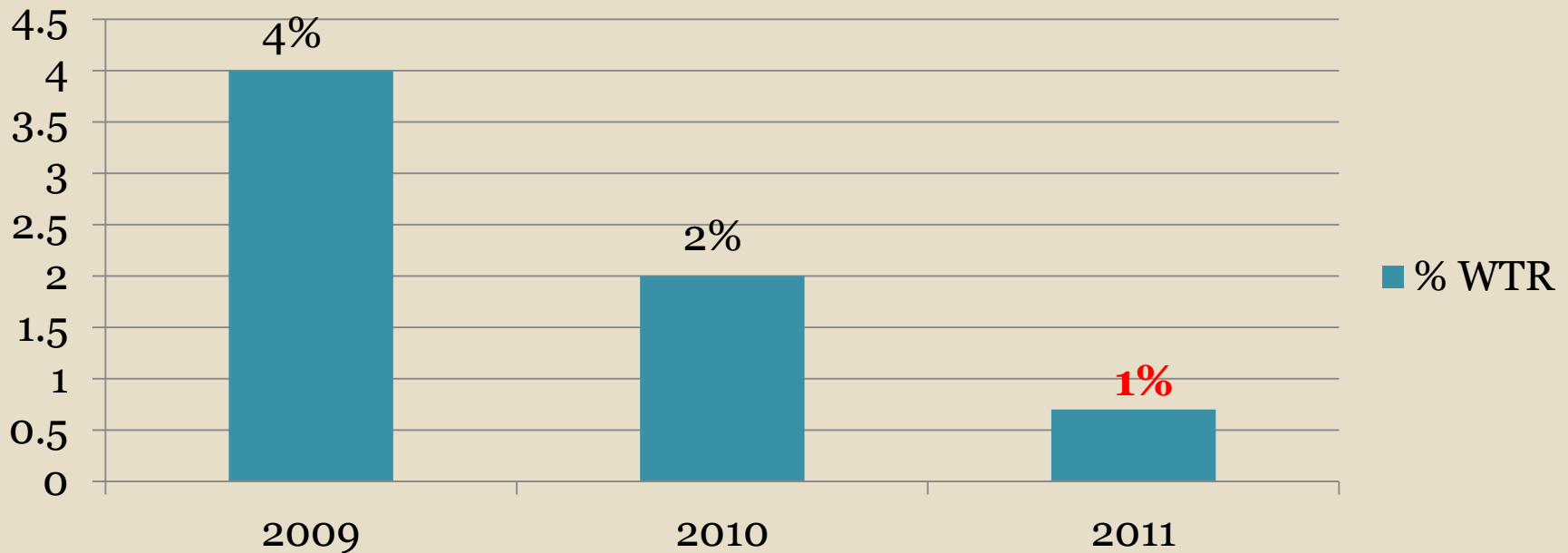
- OSA rolled classroom-level data up to a school level to determine the % of classrooms flagged in each school:  
$$\frac{\text{\# of reading, LA, math classrooms flagged in each school}}{\text{total \# of reading, LA, math classrooms in each school}}$$
- OSA also calculated the size of each flag
  - E.g., 3.2 SDs is very different from 8.4 SDs
- Local superintendents have been notified of the data for their schools

# 2011 CRCT Erasure Analysis



2011 results show improvement from previous years.

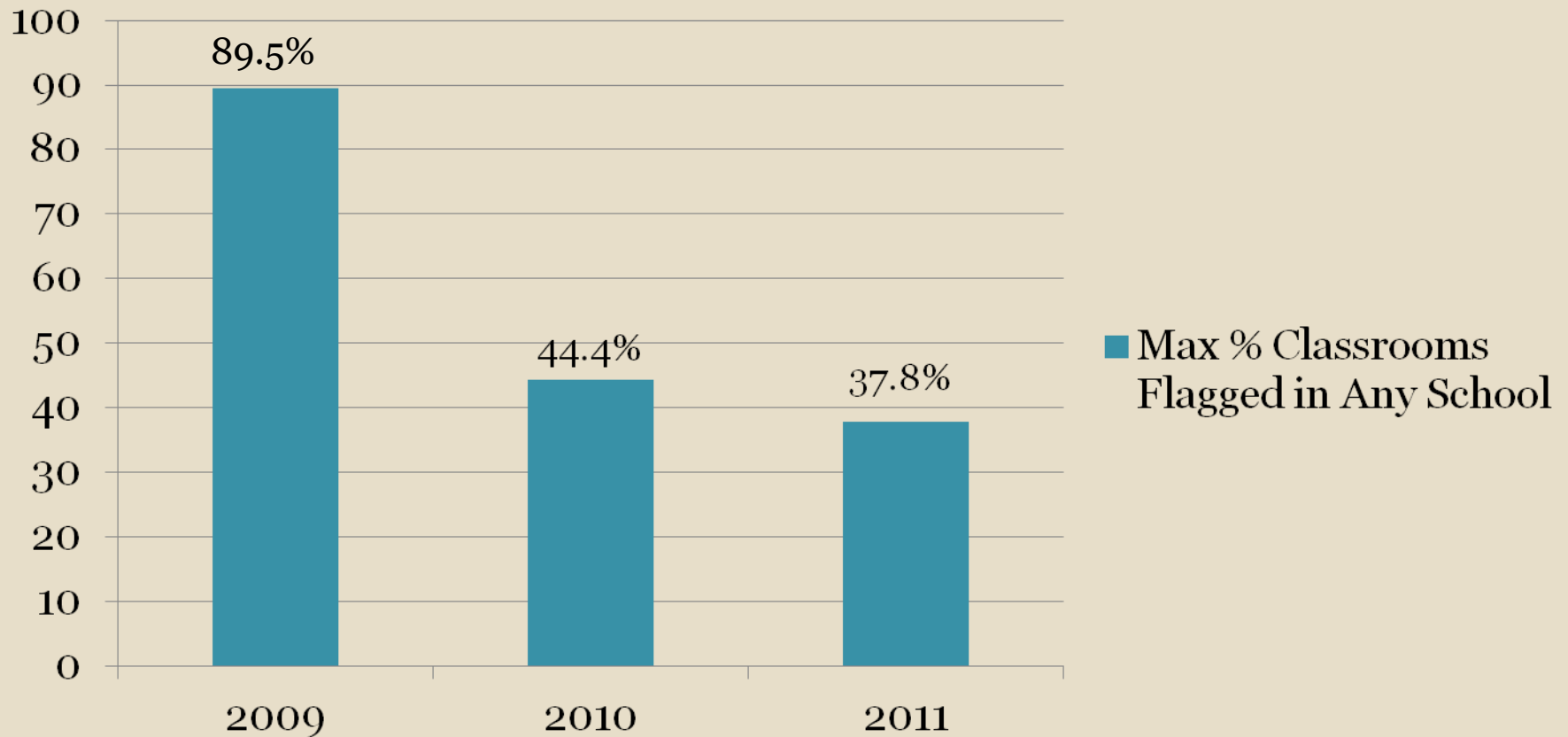
**$(\# \text{ classrooms flagged}) \div (\text{total } \# \text{ classrooms}) =$   
% classrooms flagged**



# State Max: Classrooms Flagged



## Maximum % Classrooms Flagged in Any School

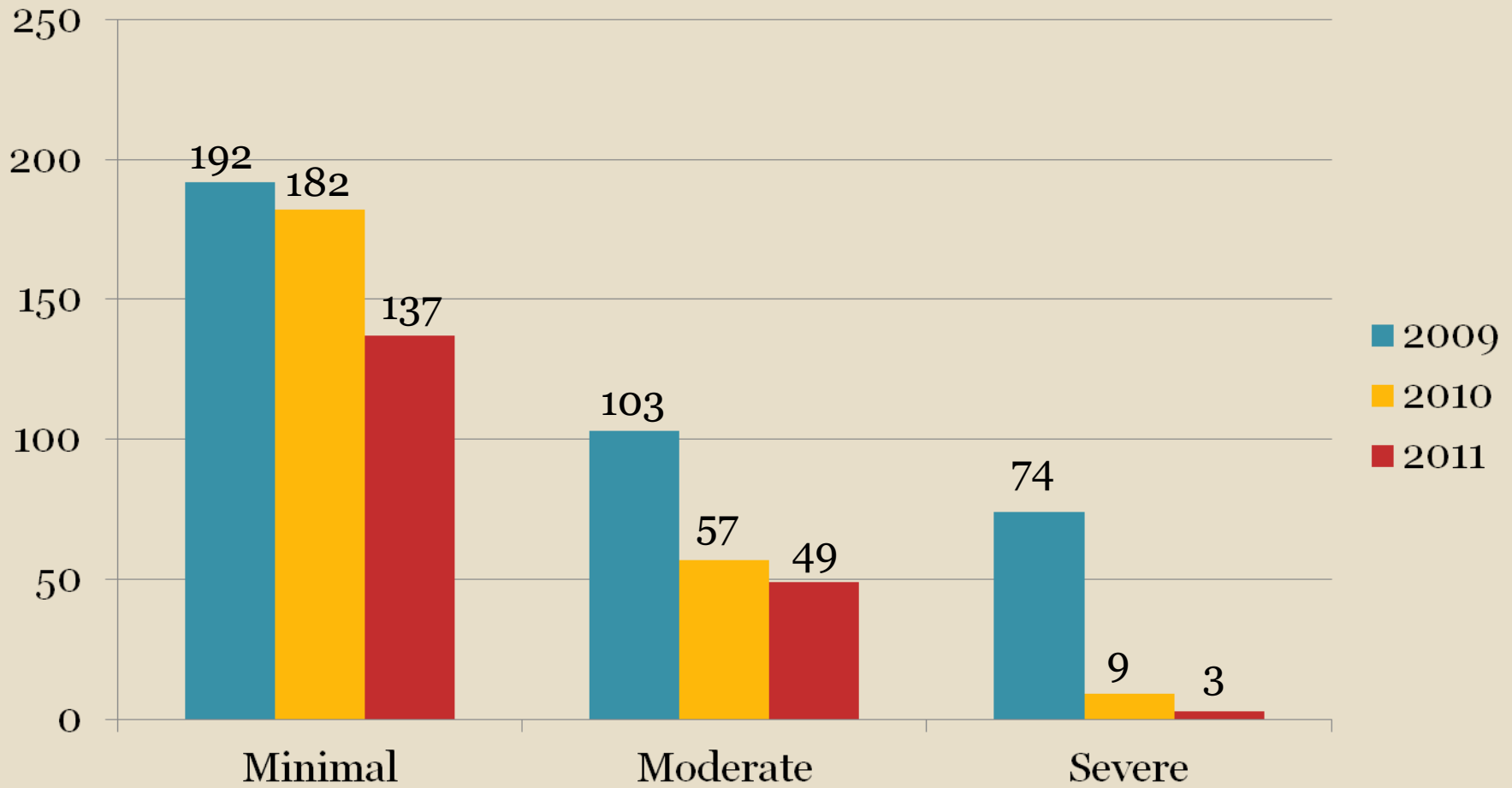


# Categories of Concern

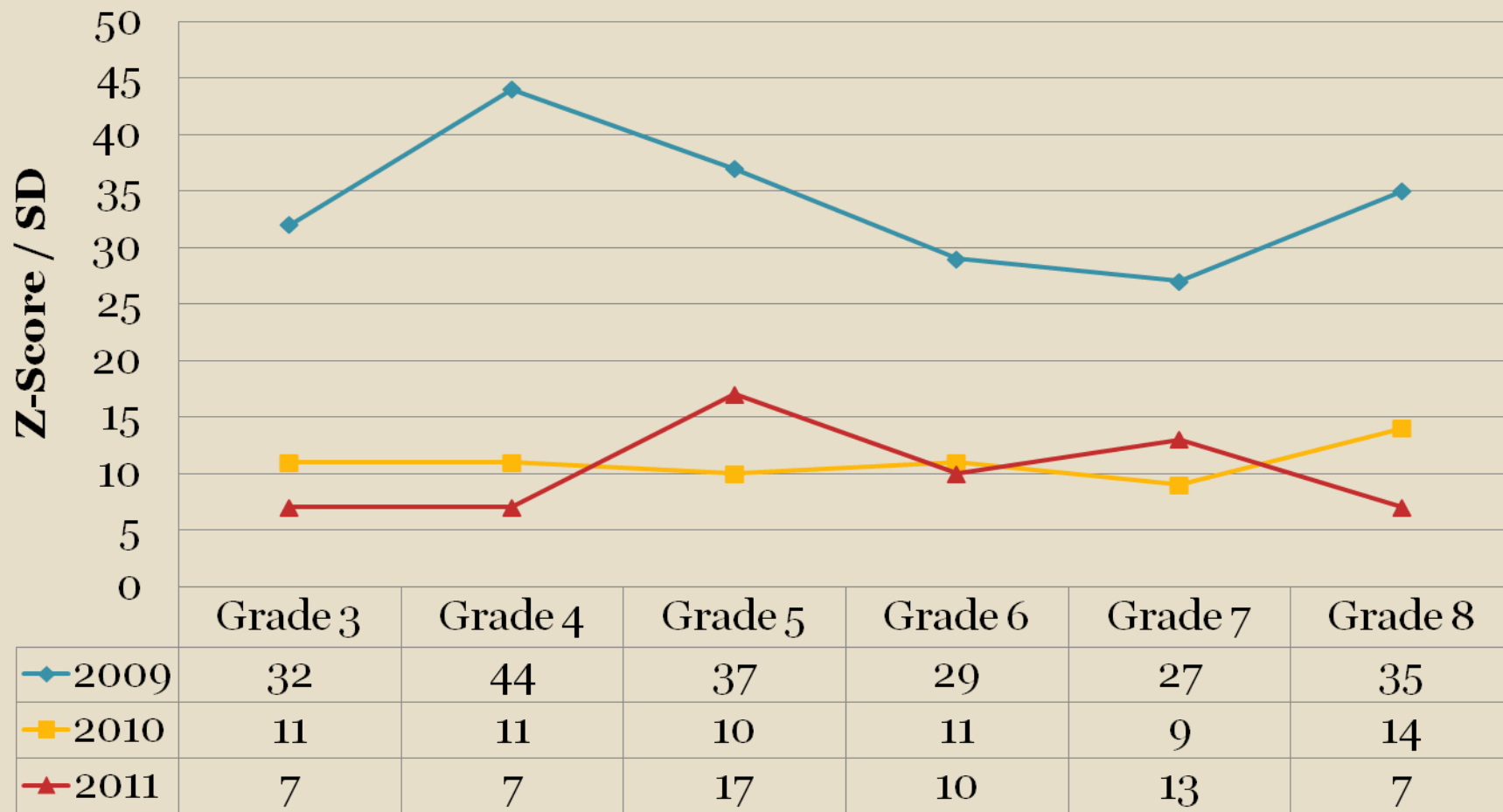


- Clear of Concern = 0% - 5% of classrooms flagged
- Minimal Concern = 6% - 10% of classrooms flagged
- Moderate Concern = 11%-24% of classrooms flagged
- Severe Concern = 25% or more of classrooms flagged

# # of Schools by Category

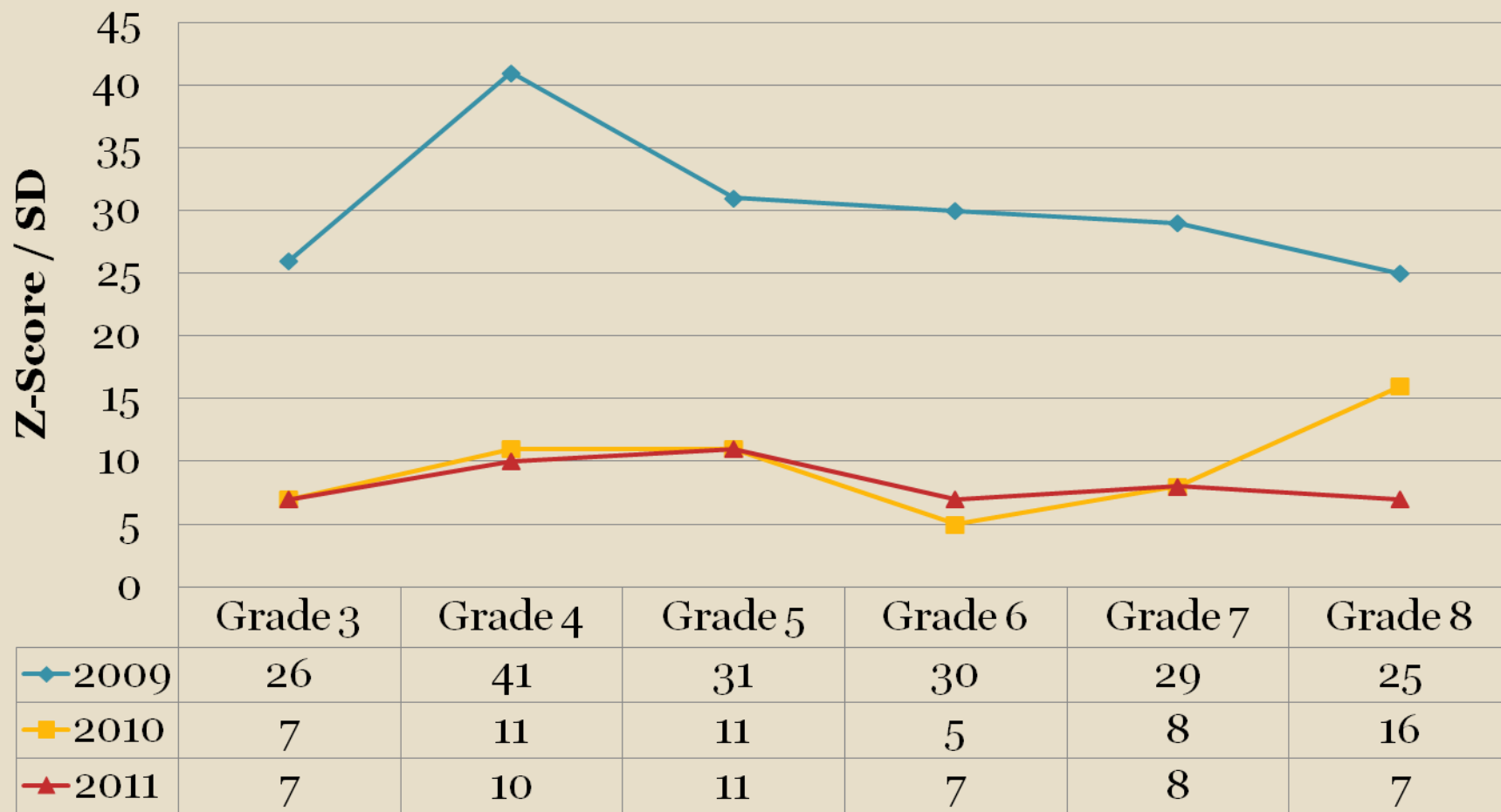


# Maximum Z-Scores: Reading

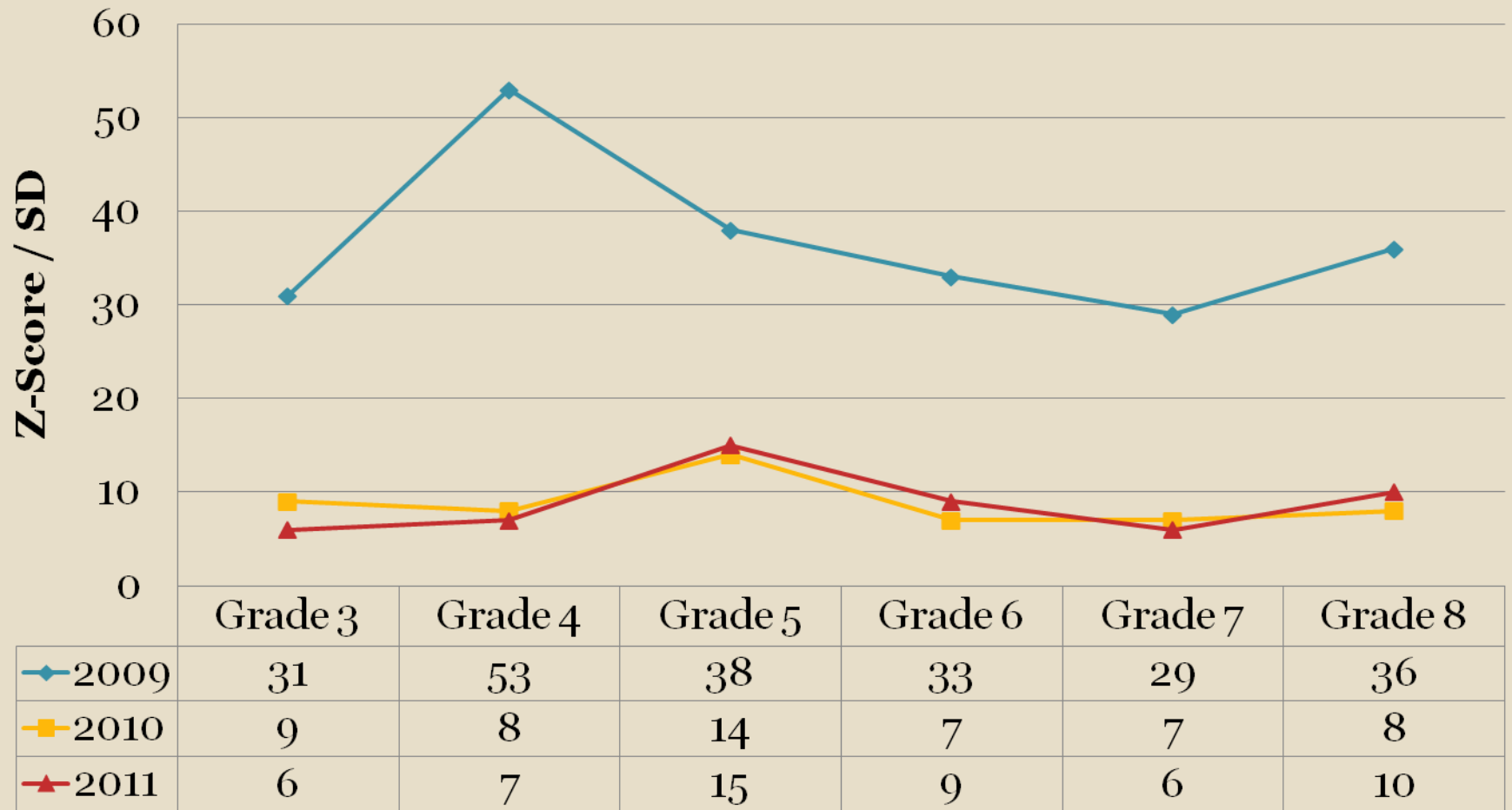




# Maximum Z-Scores: ELA



# Maximum Z-Scores: Mathematics



# Recommendations for the SBOE



- Place state monitors in severe concern schools during the 2012 CRCT Administration.
- Utilize state monitors for random checks in moderate concern schools during the 2012 CRCT Administration.
- Rotate teachers in minimal, moderate, and severe concern schools during the 2012 CRCT Administration.
- Share data files with superintendents to facilitate:
  - ✦ Investigations undertaken independently by LEAs (with schools in minimal, moderate, and/or severe concern),
  - ✦ Submit the results of the investigations to OSA, and
  - ✦ Identify students adversely affected who may need supports or interventions.
- Conduct on-site audits as necessary.