

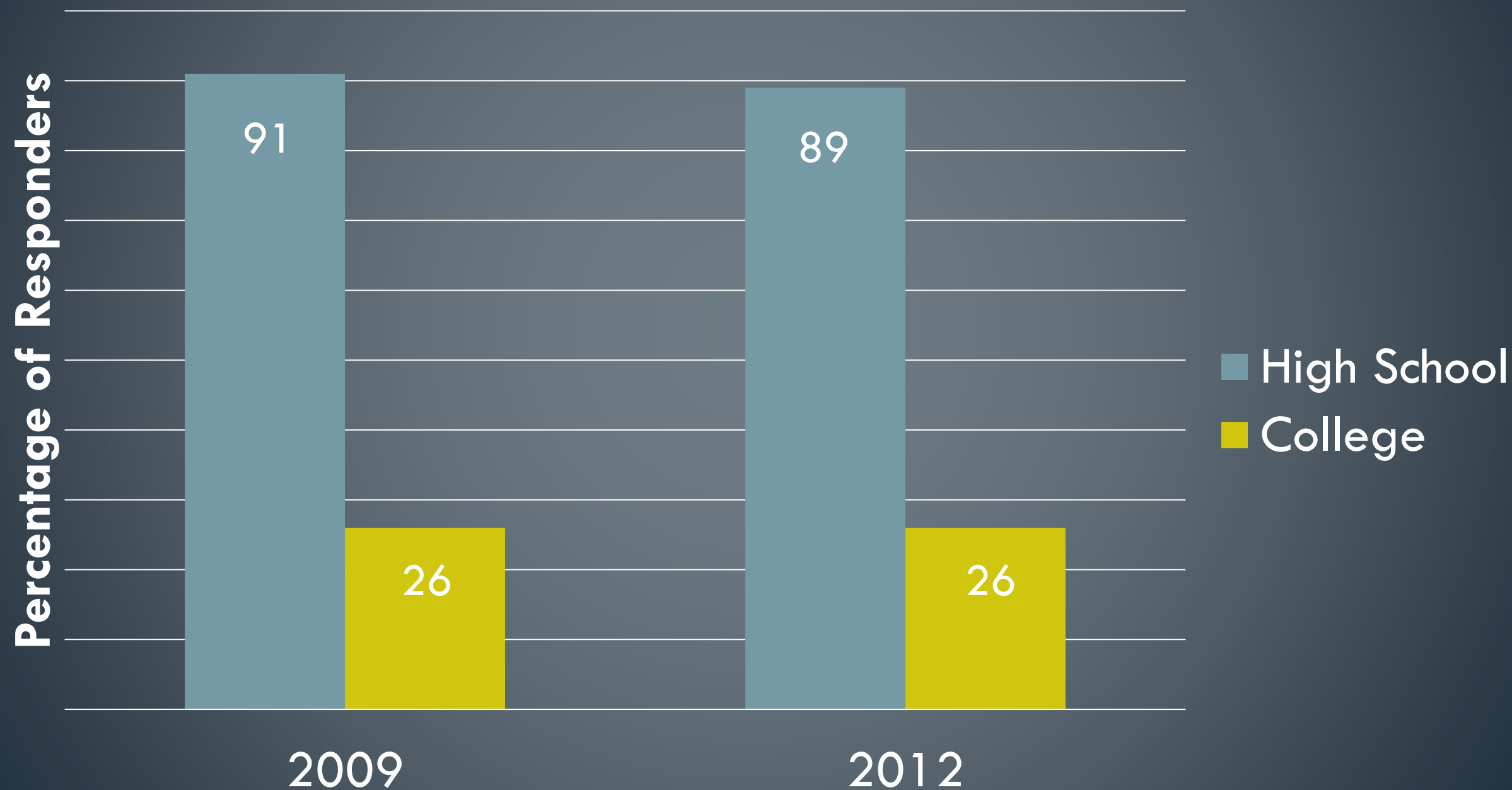
# What Does it Mean to “Understand” Mathematics?

ROBERT KAPLINSKY

***WHAT IS THE  
PURPOSE OF  
A K-12  
EDUCATION?***

- College readiness
  - ACT National Curriculum Survey
  - Surveyed 9,937 educators

# “Well” or “Very Well” Prepared for College



# ***WHAT IS THE PURPOSE OF A K-12 EDUCATION?***

- *College readiness*
- *Career readiness*
  - *Association of American Colleges and Universities survey*
  - *Surveyed over 300 employers with at least 25 employees and many new hires*

■ More ■ Less ■ Same

Critical thinking and analytical reasoning skills

Analyzing and solving complex problems

Communicating effectively orally and in writing

Applying knowledge and skills to real-world setting

Working w/ numbers and understanding statistics

***WHAT  
DOES IT  
LOOK  
LIKE...***

- when students can work with numbers but cannot:
  - critically think
  - applying knowledge and skills to real-world settings
  - analyze and solve complex problems



How far apart are the exits on this freeway: Jct 90 and Jefferson Blvd?







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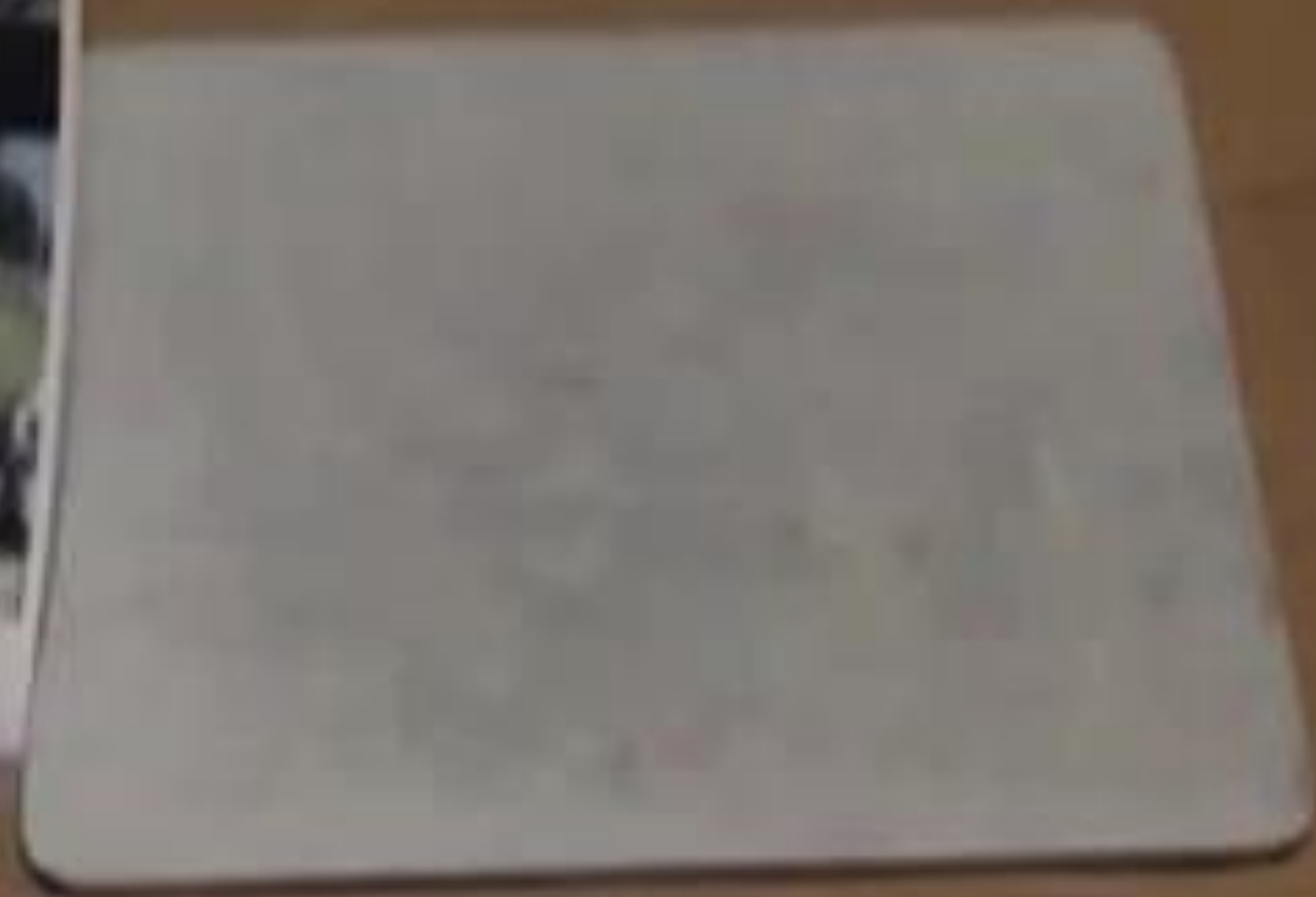
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# Contact

Robert Kaplinsky



[robert@robertkaplinsky.com](mailto:robert@robertkaplinsky.com)



[robertkaplinsky.com/camt/](http://robertkaplinsky.com/camt/)



[@robertkaplinsky](https://twitter.com/robertkaplinsky)

