Tutorly

Presentation to the Board
Los Angeles Leadership Academy
May 19, 2022

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Tutorly has helped improve math scores at LALA

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In ‘21-22, 142 students took 2,899 sessions (~20 sessions/student)

- A quarter of students increased their math grades by at least one letter grade—a 25% rise in GPA
- Assessment scores increased by 21%
- Tutored students improved performance on the MAP math exam
  - RIT score increase of 5.06 compared to non-tutored students who had a *decrease* of 0.16
  - Percentile increase of 5.40 compared to non-tutored students who increased only 0.18

LOS ANGELES LEADERSHIP ACADEMY

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Tutorly has helped improve math scores at LALA through 2,899 sessions for 142 students

(charts and graphs)

A higher % of tutored students improved math grades compared to non-tutored students

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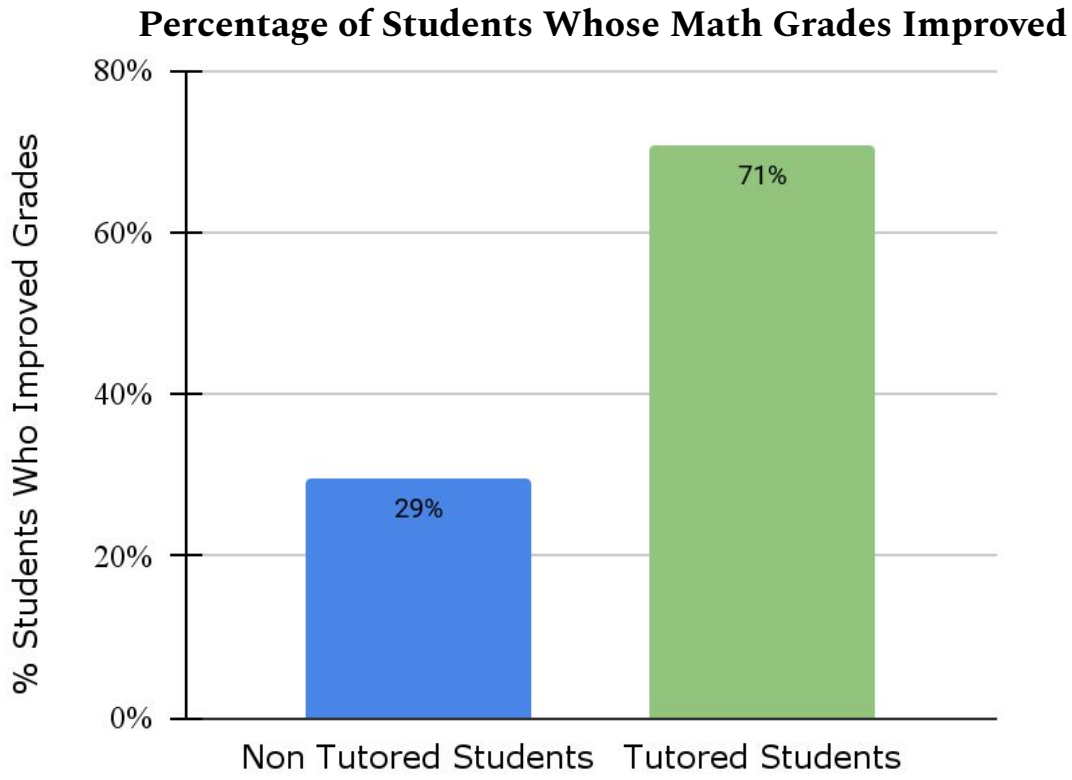

Nearly a quarter of students who participated in tutoring saw their math grades increase by at least 1 letter grade—a 25% rise in GPA

Tutoring at LALA was correlated with gains in MAP math scores and percentiles

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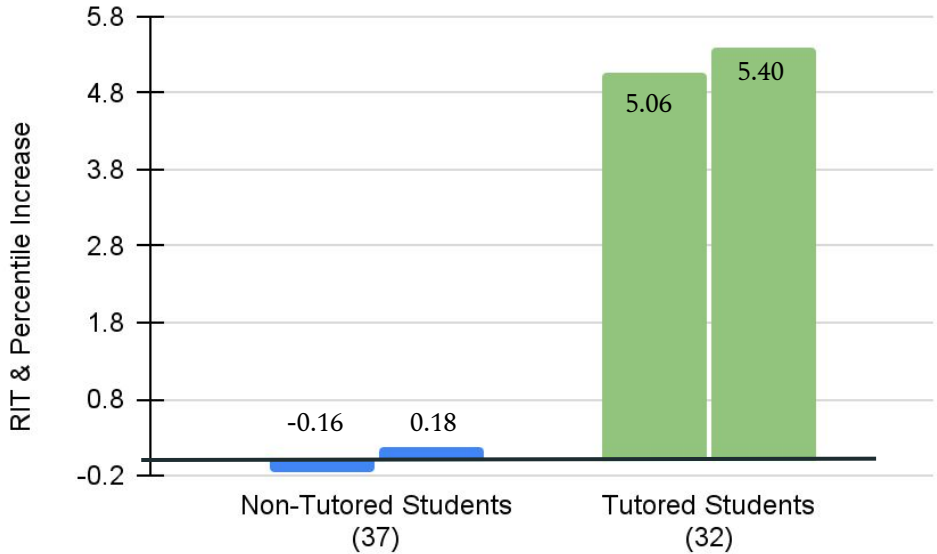
Comparison of MAP Math Improvement from Spring '21 to Winter '22



Explanation of MAP analysis in appendix

Note: RIT stands for Rasch UnIT and is a measurement scale developed to simplify the interpretation of test scores

MAP math percentile improved as a function of sessions tutored

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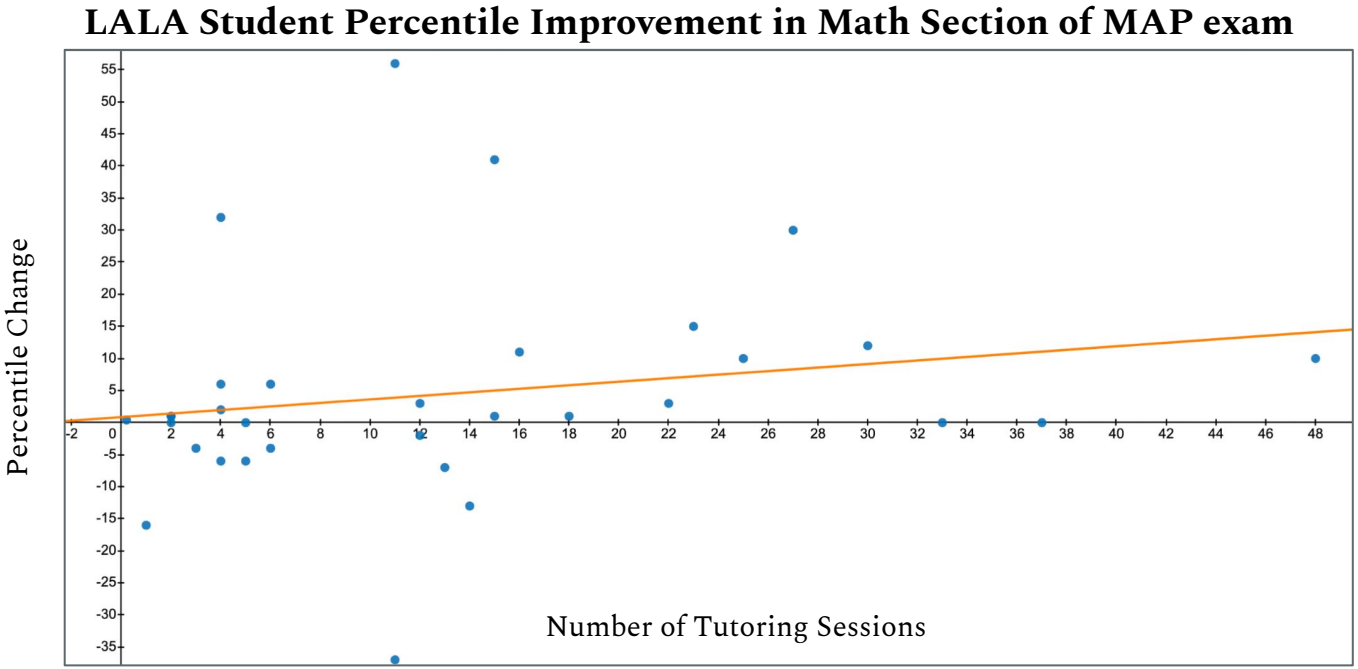

Explanation of MAP analysis in appendix

Each point on the graph represents the average increase in percentile (y-axis) for students who participated in the indicated number of tutoring sessions (x-axis). The linear regression equation is Y = 0.2761*X + 0.8637.

MAP math RIT scores improved as a function of sessions tutored

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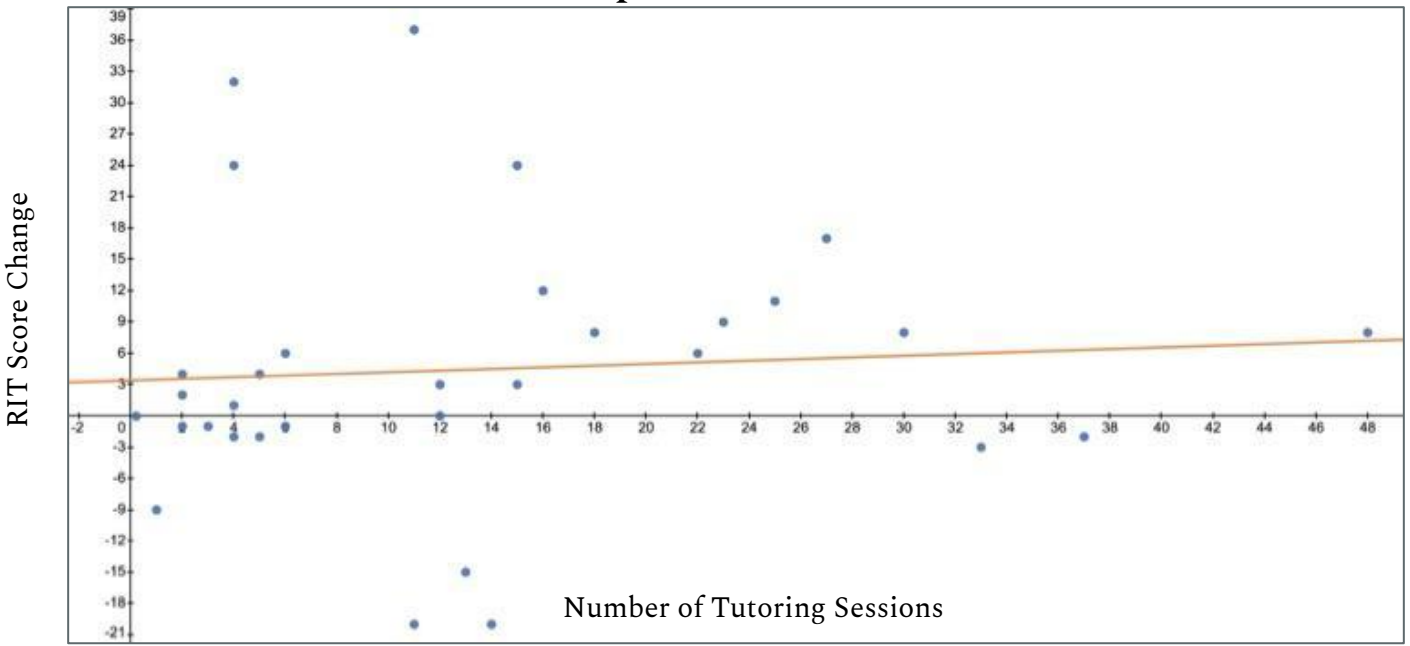
LALA Student RIT Score Improvement in Math Section of MAP exam



Explanation of MAP analysis in appendix

Each point on the graph represents the average increase in RIT score (y-axis) for students who participated in the indicated number of tutoring sessions (x-axis). The linear regression equation is Y = 0.07966*X + 3.397.

LALA student performance improved by 21 percentage points

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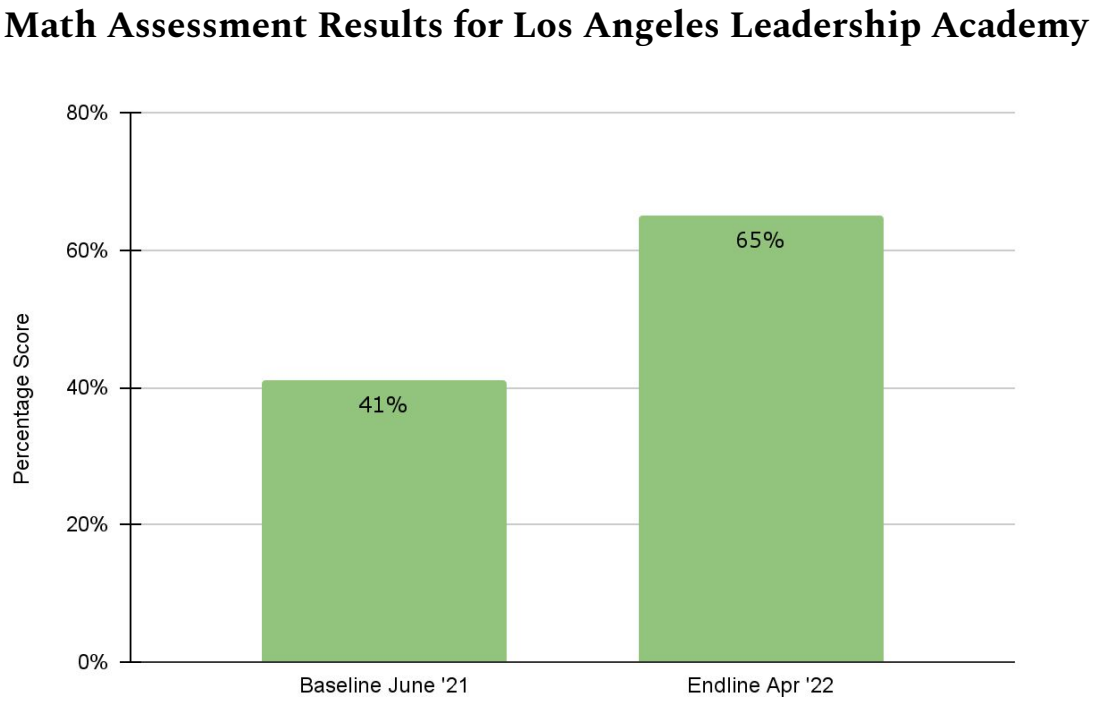

Explanation of analysis in appendix

Supplemental College Counseling Services

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- 106 sessions for 18 seniors who had a GPA of ≥ 2.5, eligible to apply to the California State University systems

- Results
  - Private colleges – 2
  - University of California – 6
  - California State University – 5
  - Community Colleges – 3
  - Opted for the workforce – 2

A-G Completion Improvement Initiative

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- Builds on 2021-22 work with a focus on 1-1 tutoring
- Budget of $99,825 for 1,650 sessions for at-risk students
  - for A-G subjects
  - for college counseling

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Tutorly's High Impact Tutoring

Tutorly uses high-impact online tutoring which research has deemed best-in-class

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Key characteristics of high-impact tutoring:

- Tutoring materials aligned with school curriculum
- High frequency of sessions—3 or more sessions per week for 50 minutes each
- Consistent tutor in 1:1 sessions to build strong relationships between tutor and student
- Intensive training and oversight of tutors to ensure quality interactions
- Formative assessment to closely monitor student progress

NATIONAL STUDENT SUPPORT ACCELERATOR

equalizing access to quality tutoring

BROWN

Tutoring sessions are highly interactive

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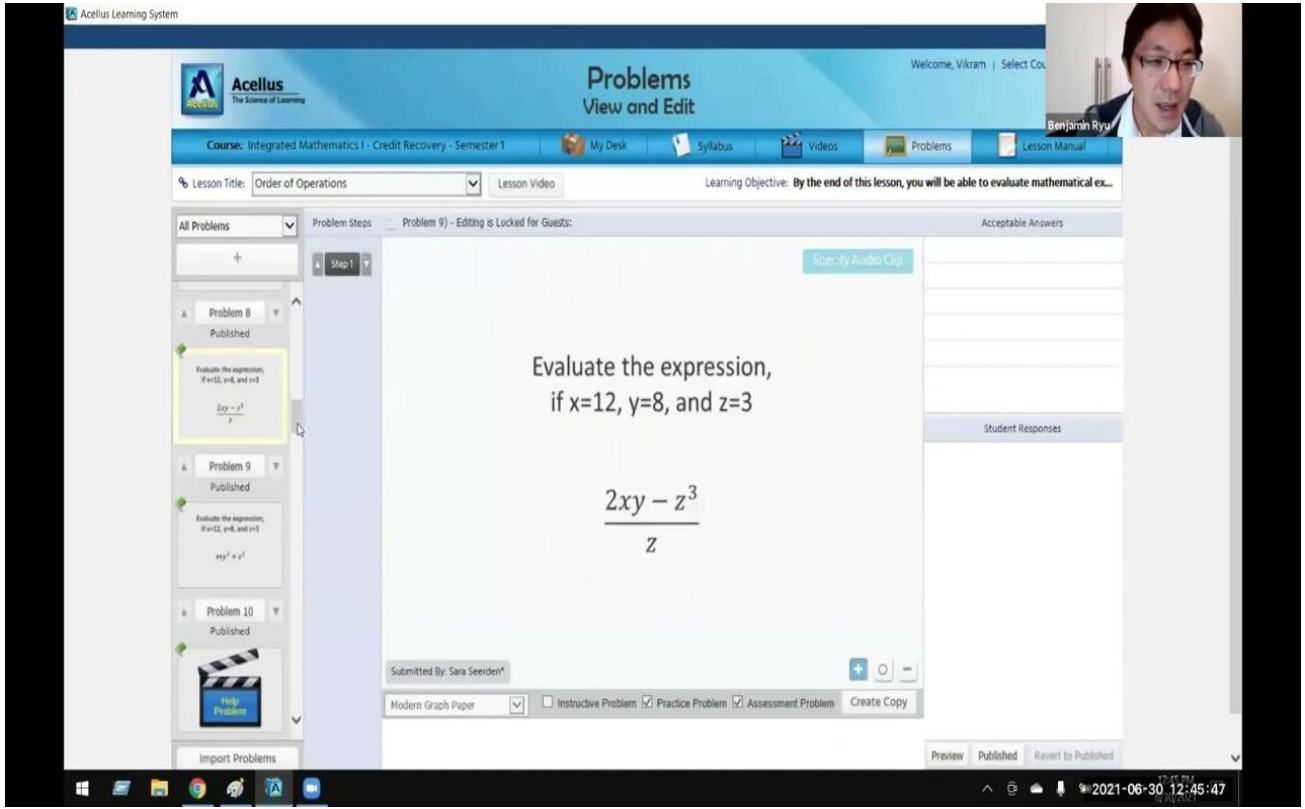

Tutors check for understanding at each step, ensuring student learning.

Click on the arrow for a link to 1-2 min clips of various tutors

Two-way whiteboard makes student and tutor feel they are in the same room

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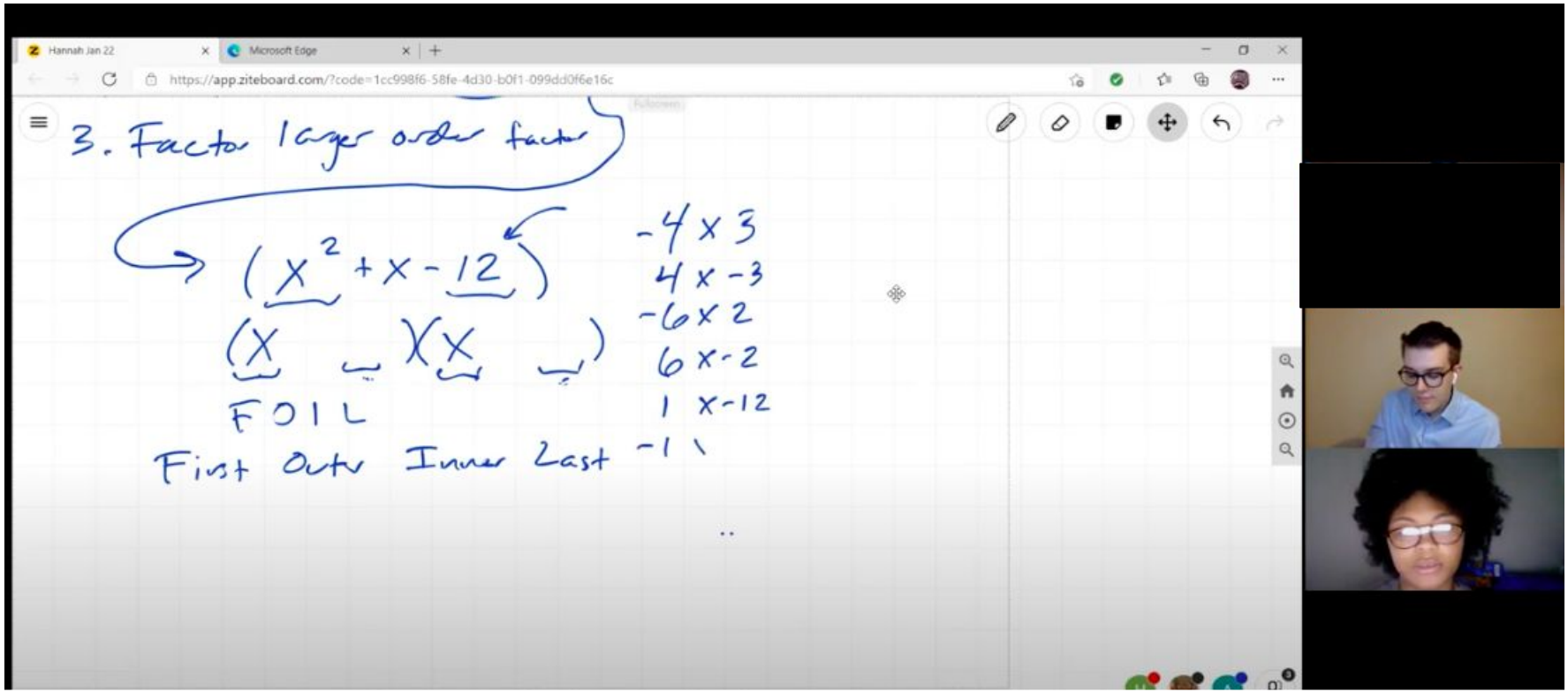

Collaborative key takeaway closure exercise consolidates student learning

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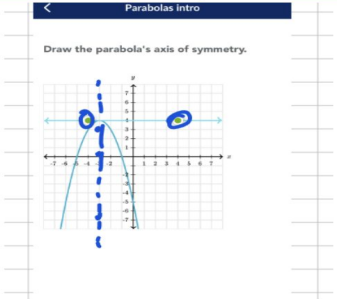
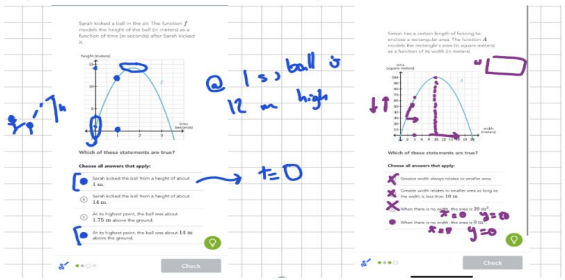
Tutor: Ben

- This document is a way to review what you learned and create your own study guide after each session
- In-session, please have a dedicated space to take **hand-written notes :)**

September 27 **Whiteboard link**

What were the most important questions we solved together?



- 

What important math rules/concepts did we use?

- Parabola
- Vertex
- Axis of symmetry - dividing line between a parabola
- Open upward, open downward

Personalized homepages are a hub for student resources

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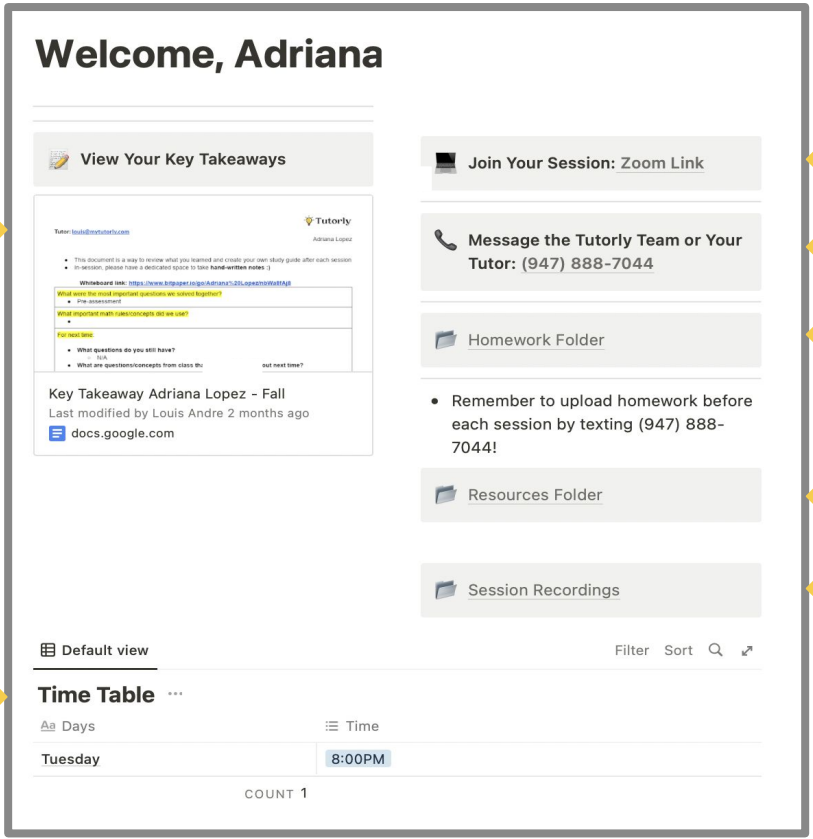
Key Takeaways

Schedule



Easy-to-find Zoom link

24/7 H.W. & scheduling help

Student homework uploads

Tutor-shared resources

Session recordings

24/7 text line provides help in real time

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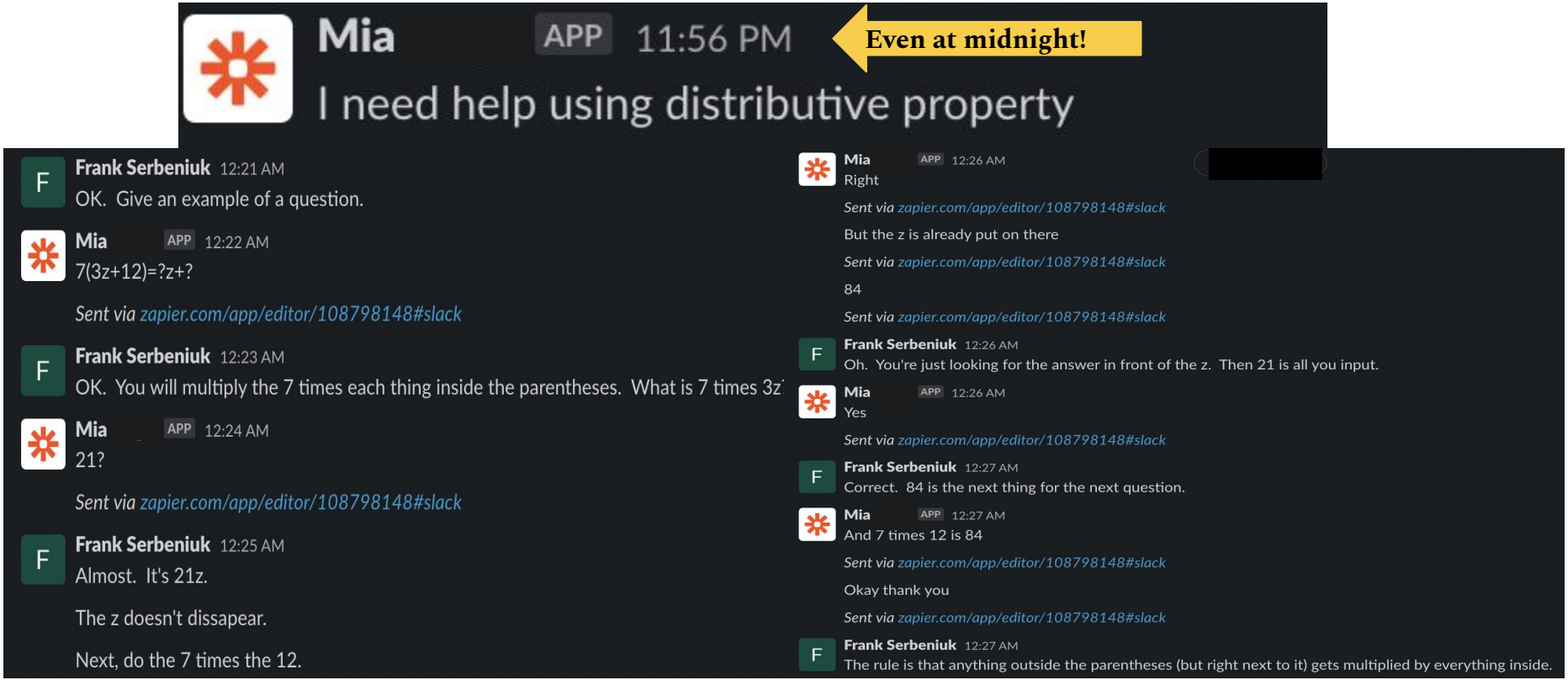

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Tutor Training

Highly selective tutor recruitment and rigorous training ensure high-quality sessions

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- We find the best tutors
  - Tutorly identifies tutors through licensing access to a proprietary global database and then inviting the best tutors to apply
  - Tutors go through a rigorous application process, including proficiency tests, simulated sessions, and background check
  - Less than 5% of applicants are accepted
- We train to elevate their quality
  - 30+ hours of tutor training in pedagogy and ed-tech
  - Tutor training team regularly reviews sessions, providing detailed feedback for tutors

Eleven Tutor training modules (1 of 2)

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① The Tutorly Model

- Video
- Presentation
- Tutorly Rubric
- Post-Session Test

② Tutoring Setup

- Video
- Presentation
- Post-Session Test

③ Your First Session

- Video
- Presentation
- Relationship Building
- Post-Session Test

④ Tutoring Session Logistics

- Video
- Presentation
- Tutor Timesheet
- Tutoring Self-Reflection
- Post-Session Test

⑤ Making Students Independent Learners

- Video
- Presentation
- Post-Session Test

⑥ Closing the Session

- Video
- Presentation
- Post-Session Test

Eleven Tutor training modules (2 of 2)

Tutorly

⑦ Trauma-Informed Tutoring

- Video
- Presentation
- Post-Session Test

⑧ Behavior Management

- Video
- Presentation
- Handling Difficult Tutoring Situations & Difficult Students (UCF Upward Bound)
- Post-Session Test

⑨ Meeting Students

- Video
- Presentation

⑩ Bitpaper

- How to Use Bitpaper
- Best Whiteboard Practices

⑪ ELD Training

- Making Math Content Accessible to ELL's
- Intro/Using Language to Support ELL's
- Using Charts, Manipulatives, Visuals and Tech Tools to Support ELLs in Math
- Scaffolded Instruction
- ELL Support Resource Guide for Tutorly Math

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More details on our website

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Appendix

Explanation of MAP analysis (slides 5-7)

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- Charts and graphs show improvement in student performance of LALA grade 9-11 students in the math section of Spring ‘21 MAP test versus the Winter ’22 MAP
- Data includes only students who tested for both Spring ‘21 and Winter ’22. Data does not include grade 12 students, since they did not take Spring ‘21 MAP. Data excludes one outlier who had a 61 RIT score increase and 83 percentile increase.
- From July 2021 until December 2021 (with the bulk of students commencing in September 2021), **the average number of sessions for tutored students was 14.3 which was correlated with an average RIT increase of 5.06 and an average percentile increase of 5.40**
- Non-tutored students included students with one or zero tutoring sessions because many students had at least one session, since a teacher had mandated an initial session for a homework assignment. So **the average number of sessions for non-tutored students was 0.24 which was correlated with an average RIT *decrease* of 0.16 (i.e., a and an average percentile increase of 0.18**

Explanation of Assessment Process (slide 8)

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- To measure student progress, a subject matter expert designed pre- and post-assessments based on LALA's curriculum
- For more information, look at our assessment materials here
- Tutorly team proctored assessments using Imocha; see here
- Students increased scores on the assessments by 24 percentage points, as shown in the chart on slide 12