

HOW MIGHT WE ADDRESS CHALLENGES IN EARLY CHILDHOOD EDUCATION FOR STUDENTS WITH DYSCALCULIA?

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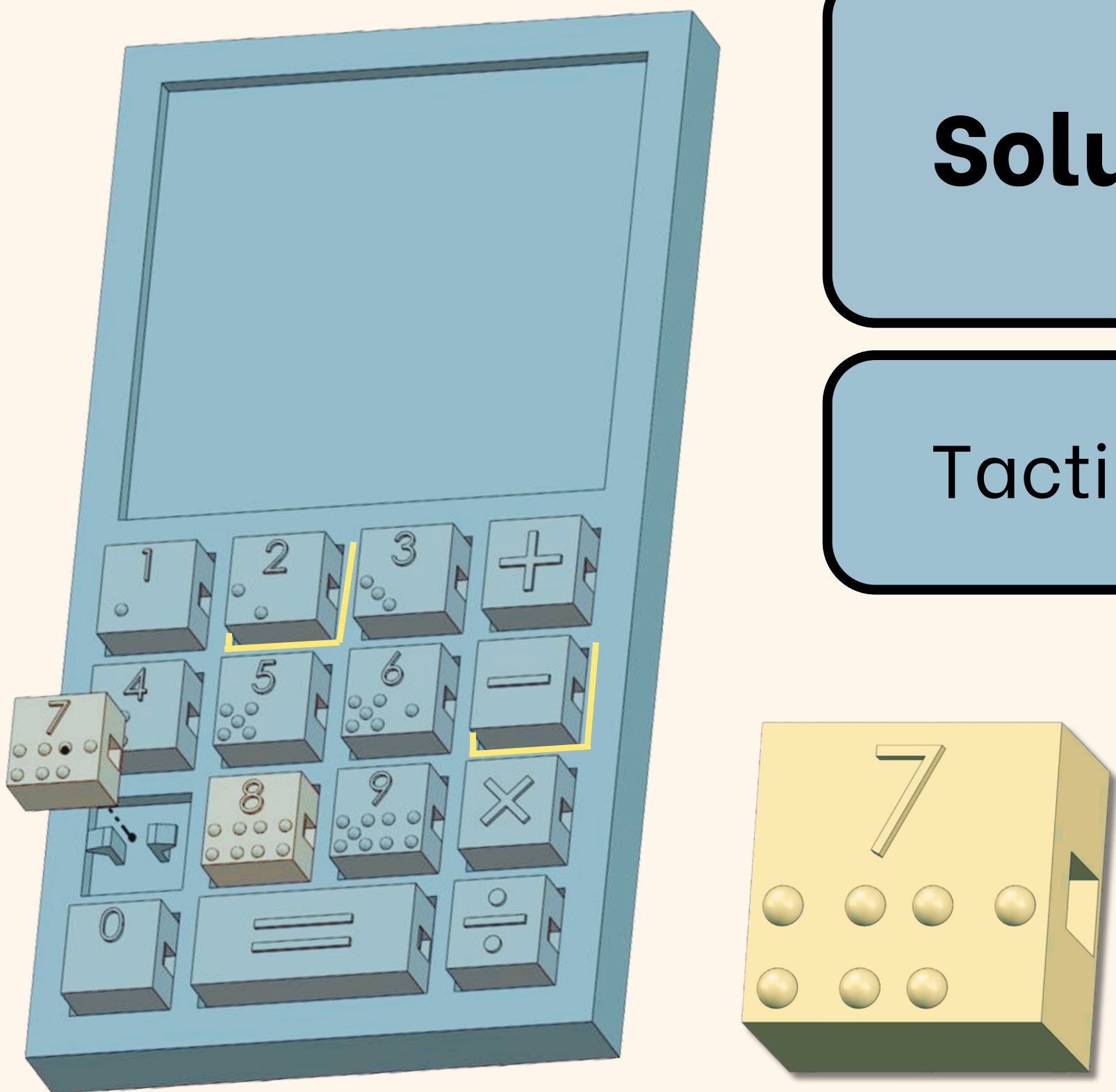


480 million people have **dyscalculia**: hindering understanding of magnitudes of numbers

↓ Self-confidence Independence throughout **student** and **working** life

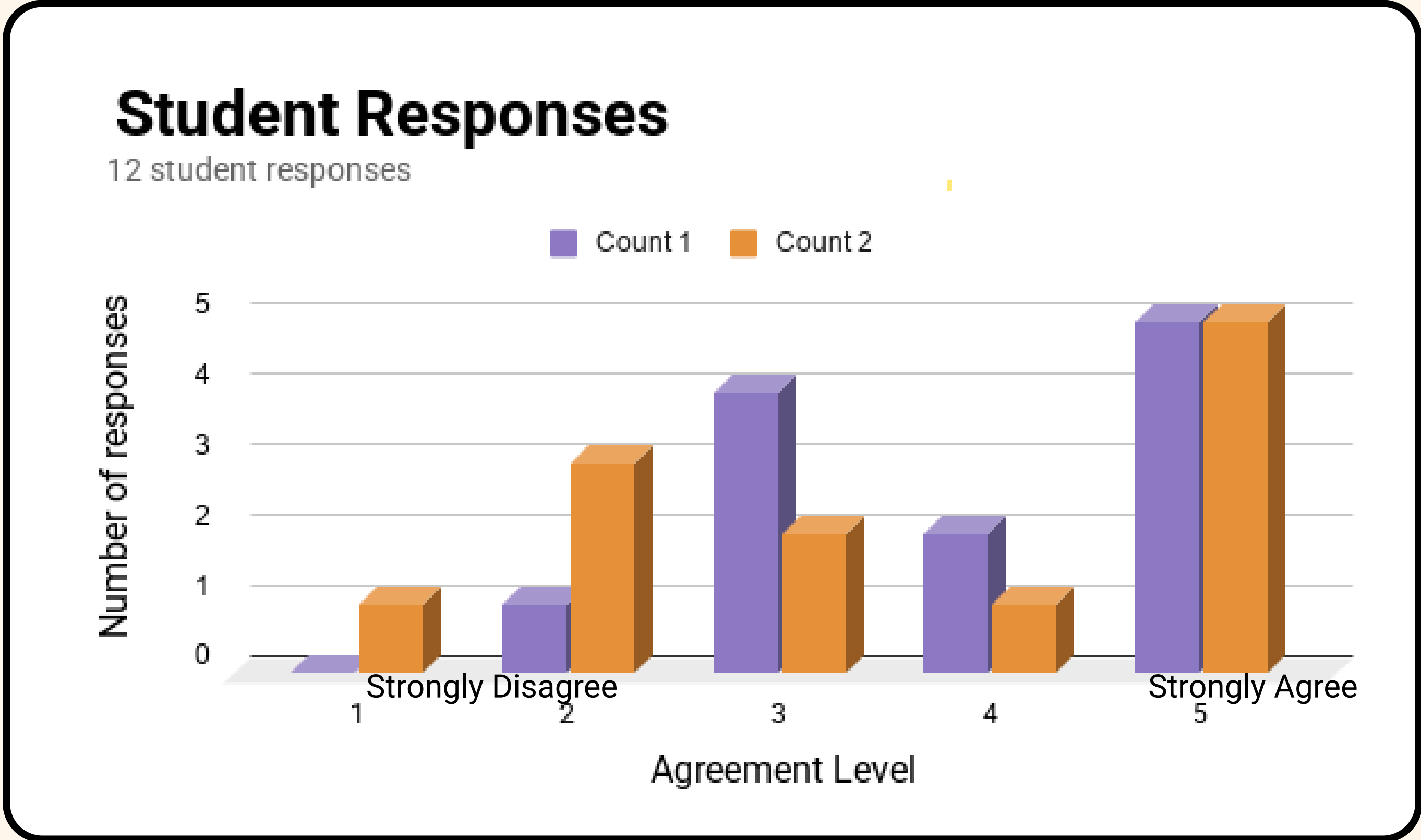
Solution A compact, digital, visualization tool. Combination of tactile and visual elements to support mental math reasoning.

Tactile + pictoral -- Early Intervention -- Solo-user



Do you think this would help you not count every dot?

If you had this, would you use it instead of counting?



- **Qualitative survey** for students between 1st and 4th grade
- Simplified idea due to **time constraint**
 - Hope to eventually complete second experiment, testing efficacy of our visual designs and their ability to support learning.
 - Would work with **Atlanta Public Schools** and **Fulton County School District**

Future Plans

- Connect to students through teachers
- Work with **textbook companies** for distribution