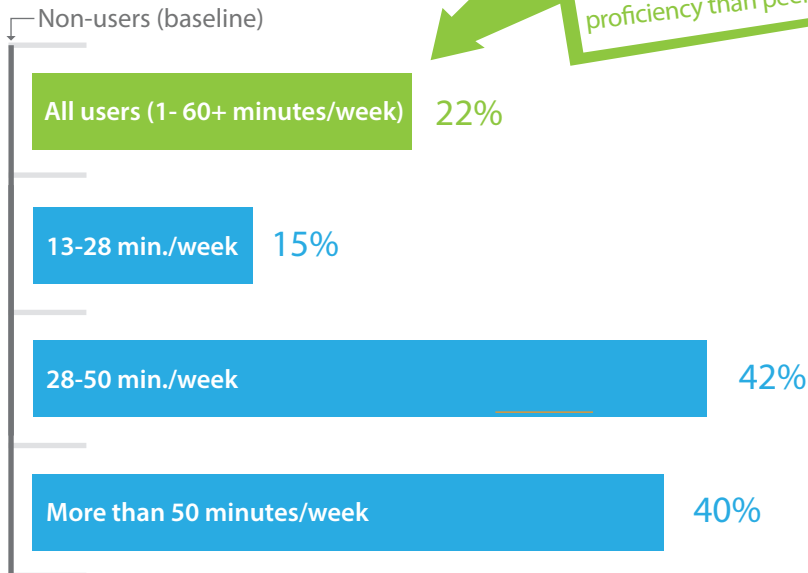


# STEM Action Center - Math Personalized Learning Grants

Overall, students who used the software were **22% more likely to be proficient in math** in SY16-17 than similar non-users.\*

These students are 22% more likely to attain grade level proficiency than peers.



Programs assess students' understanding of math and provide personalized content, adaptively targeting knowledge gaps and providing immediate feedback.

## Quick Facts

586 schools from 33 districts & 39 charters

147,238 Students

For \$19/year per student math scores improved & teachers reported increased job satisfaction.

23% of Utah Students have access to software

100% of purchased licenses were used

## Teacher and Administrator Commitment and Support

- **94%** of teachers agreed the software **increased their instructional effectiveness.**
- **79%** of teachers agreed the software **helped students strengthen important skills.**
- **93%** of administrators agreed the software **had a positive impact on students' math performance.**
- **68%** of teachers agreed the math software **increased their satisfaction with their job.**

"I can easily assess my students and see immediately what concepts they are missing and help more one-on-one."  
-Teacher

The K-12 Mathematics Personalized Learning Software Grant provides funds to LEAs and schools through a competitive grant process to support the use of mathematics software that is individualized, self-adapting, engaging, and provides frequent feedback while addressing core standards in math. The Utah Education Policy Center at the University of Utah, in partnership with Utah Valley University School of Education, are serving as the external evaluators for the grant program.

HOW?

# Innovation from the Software

The software provided **new ways to solve math problems.**

 **89%** of teachers agreed

 **77%** of elementary students agreed

 **63%** of secondary students agreed

The software **built student confidence in math.**

**81%** of teachers agreed 

**68%** of elementary students agreed 

**53%** of secondary students agreed 

NEW WAYS TO SOLVE PROBLEMS



CONFIDENCE IN MATH



Over 90% of teachers and administrators were satisfied with the software and would recommend the software to others.

## What Teachers Say They Appreciate

- Software is adaptive to the students' levels.
- Students can work at their own pace and track their own progress.
- The software complements in-class teaching.
- Programs support the Utah Core Standards.
- The software is engaging.
- The software facilitates mathematical thinking and problem solving.
- Language learners and low literacy students benefit from the visual components.
- Data reports increase instructional effectiveness.
- Regular use is associated with academic gains.



**93%**

of teachers felt the software was a good complement to classroom instruction



**89%**

of teachers felt the program was well aligned to Utah Core Standards

\*Variables held constant in the models included 2015-16 SAGE math scores, low income, race/ethnicity, gender, grade level, and school Title I status.