



Reflex and Grade 6 Standardized Test Results

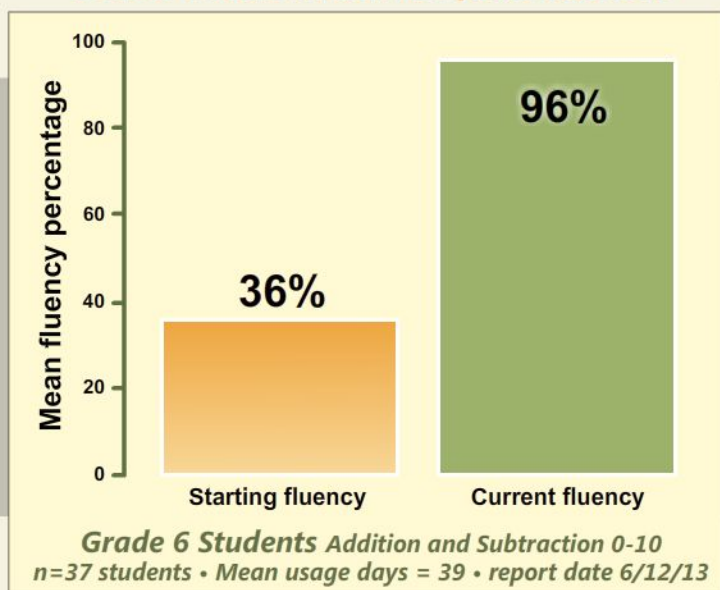
A study conducted at Sutherland Middle School in Albemarle County, VA found that students with regular Reflex usage substantially outperformed their peers in state testing and national normed performance testing.

Program

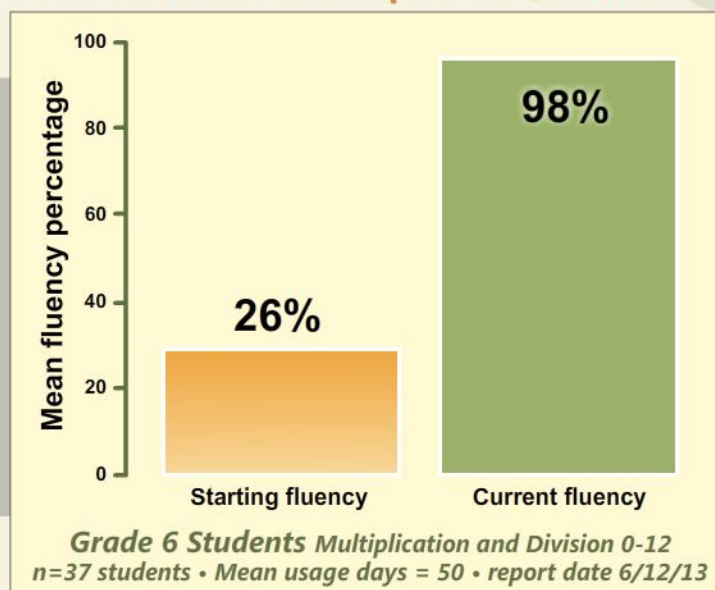
The teacher of the treatment classes required students to use Reflex one day per week in class and three days per week outside of class-time. The Reflex work was counted towards each student's participation grade. Additionally, the teacher emailed parents regularly about assignments, including Reflex, and had students graph their fluency weekly. This approach led to high fluency gains for all her students.

Students spent the first part of the year working in multiplication and division 0-12 and then moved on to shore up their fluency in addition and subtraction 0-10. Students started out fluent with approximately one-fourth of their multiplication and division facts. After an average of 50 days of Reflex, their fluency grew to an impressive 98%. In addition and subtraction, the same students went from 36% starting fluency to 96% with an average of 39 days of usage.

Reflex Results Addition/Subtraction



Reflex Results Multiplication/Division



See more results



www.reflexmath.com/results

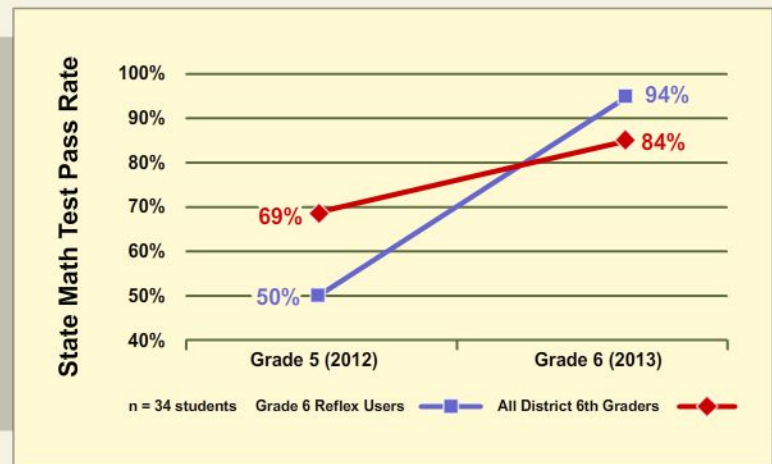


State Math Assessment Gains

The treatment group entered 6th grade behind their district peers. Only half had passed their grade 5 state math assessment the prior year compared to 69% of students district-wide.

After a year of regular Reflex usage in grade 6, the previously low performing group had closed the achievement gap and gone on to surpass the district average. 94% passed the grade 6 test compared to 84% division-wide. Additionally, while none of the Reflex users had passed the grade 5 test with an advanced score, 15% did so on the grade 6 test, once again exceeding the district average.

State Math Test Pass Rate Comparison

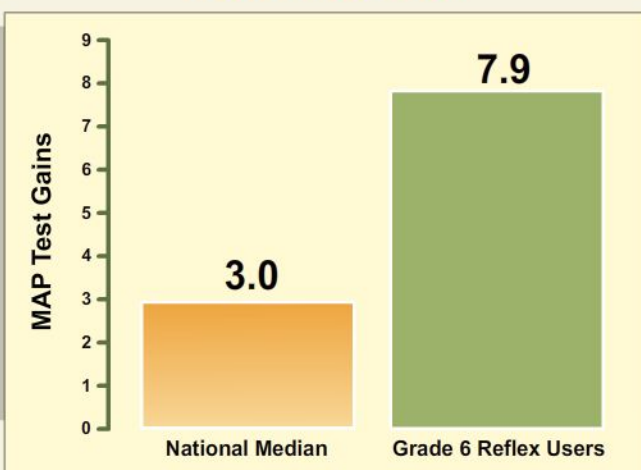


MAP Test Growth

The Measures of Academic Progress (MAP) math test is a nationally normed, computer adaptive assessment used in districts across the country. The test is typically administered multiple times during the school year to provide a detailed picture of each student's current mathematical level and to measure growth over time. Because the test is nationally normed, educators can also compare their students' growth to that of other students across the country.

The students that used Reflex in the study (n=35) took the math test in the fall and again in the winter. Growth for a typical grade 6 student over this time period is 3 points. The Reflex-using students in this study gained an average of 7.9 points, more than double the national average. This level of growth, achieved in approximately four months, is equivalent to what a typical 6th grader would take until the middle of grade 7 to achieve. The impact was broad-based. Over the four month period, the number of Reflex users in the lowest quartile nationally was reduced by half, and the number in the top quartile more than doubled.

MAP Test Gains from Fall to Winter



Improvement on MAP Test: Reflex Users vs. National Average

