



ExploreLearning Reflex

New York Progress Report

2023-2024 School Year

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Program Description

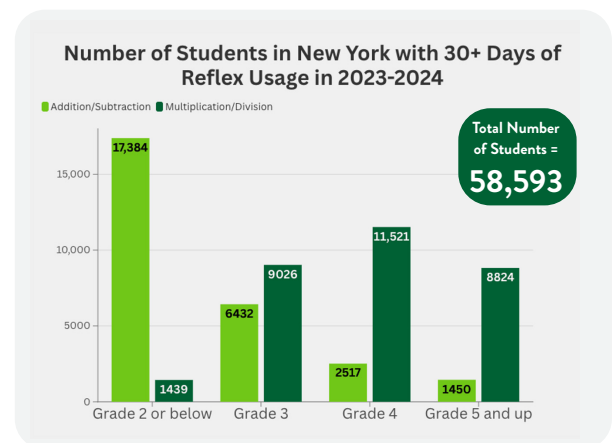
ExploreLearning Reflex is an adaptive, online program that helps students in grades 2+ develop math fact fluency—the automatic (quick and effortless) recall of basic math facts. With Reflex, every student can build the confidence and accuracy with math facts they need to take on more complex math with ease. Full of games that students love, Reflex continuously monitors math performance to help students build fact fluency at their own pace while fun games and rewards boost motivation and confidence. Reflex uses research-proven methods to build math fact fluency for lasting impacts on student success.

Across multiple grade levels, standardized tests, and benchmark assessments —students who use Reflex are scoring higher and growing faster than their peers.

New York Program Usage

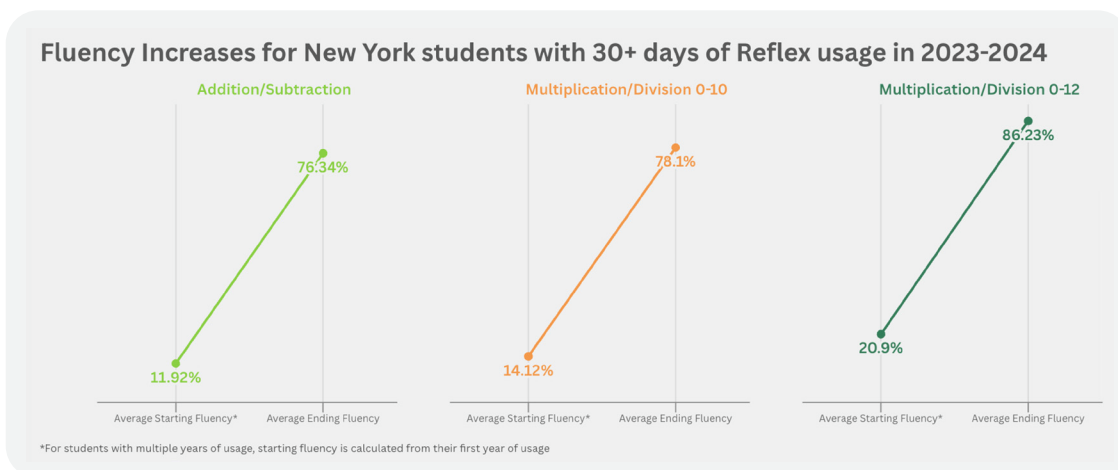
Reflex supported diverse learning needs and dynamic implementations during the 2023-2024 school year, and students of all levels across **New York** made substantial gains in math fact fluency while using Reflex!

Overall, **58,593 students** in grades 1-6 used Reflex with fidelity (30 or more days of usage) during the 2023-24 school year across **520 schools in New York**. These learners used Reflex for an average of **63 days** during the 2023-2024 school year.



New York Student Fluency Growth

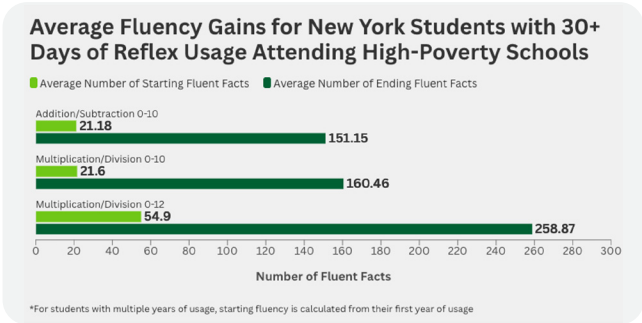
Students who used Reflex with fidelity in **New York** made substantial progress in each Reflex assignment. While most students began the year demonstrating fluency **at or below 20%** within all three assignments, by the end of the 2023-2024 school year the average student with 30 or more days of Reflex usage achieved **over 75%** fluency scores. This is an average fluency growth of nearly **more than 65 percentage points**.



Supporting Academically At-Risk Students in New York

Recent data has found that students living in poverty often face far more challenges than their peers. As a result, poverty is both directly and indirectly linked to lower mathematics achievement. Nearly one in five **New York** children live in poverty, and **58%** of 8th graders are falling behind in math.

A recent analysis found a **19 percentage-point gap** in math scores between eighth graders from **low-income backgrounds** and their more affluent peers. Reflex has shown to be an effective support for schools with high populations of students living in poverty. The following graph shows fluency growth over the course of the 23-24 school year for **New York** students attending high-poverty schools (i.e., 75% or more students qualifying for FRPL).



Reflex is an effective support for improving math fact fluency at high-poverty schools across **New York**, supporting both early math outcomes and long-term math success for this at-risk student population.



New York Research Highlight

At Hauppauge School District in New York, K–12 Director of Mathematics and Instructional Technology Meridyth Hansen led the implementation of Reflex to enhance math fluency among their elementary students.

The platform quickly became integral to the district’s math curriculum, with demonstrated improvements in student confidence, engagement, and assessment performance across diverse learner groups, including English language learners and students with special needs. The success of an initial pilot prompted a districtwide rollout, aligning with Hauppauge’s commitment to building strong foundational math skills.

[Read more about the research study here.](#)

To learn more about how Reflex can transform student outcomes, visit our [research page](#) or contact your [account representative](#).

Usage with Fidelity	Understanding Assignments
<p>Teachers are encouraged to have their students use Reflex at least three times per week. Reflex uses a “Green Light” indicator as a key motivator for students. Once a student answers a certain number of math facts correctly, a Green Light illuminates, marking the completion of a successful day of fact fluency practice.</p> <p>In this report, students are considered to have used Reflex with fidelity if they used the program for at least 30 days.</p>	<p>A student can be placed by their teacher in one of three assignments in Reflex:</p> <ul style="list-style-type: none">-Addition and subtraction 0-10-Multiplication and division 0-10-Multiplication and division 0-12 <p>Before starting Reflex, students should be assessed for conceptual understanding of both of the operations in the assignment. By the second half of 2nd grade, almost all students should be ready to build automaticity in addition and subtraction. By the second half of 3rd grade, almost all students should be ready to build automaticity in multiplication and division.</p> <p>When a student achieves 100% fluency in an assignment in Reflex, the student is ready to move to a new assignment. After achieving 100% fluency in all levels, students can continue to use Reflex for practice.</p>