imagine
Math

More Students Achieve Proficiency in Mathematics When They Use Imagine Math

Background

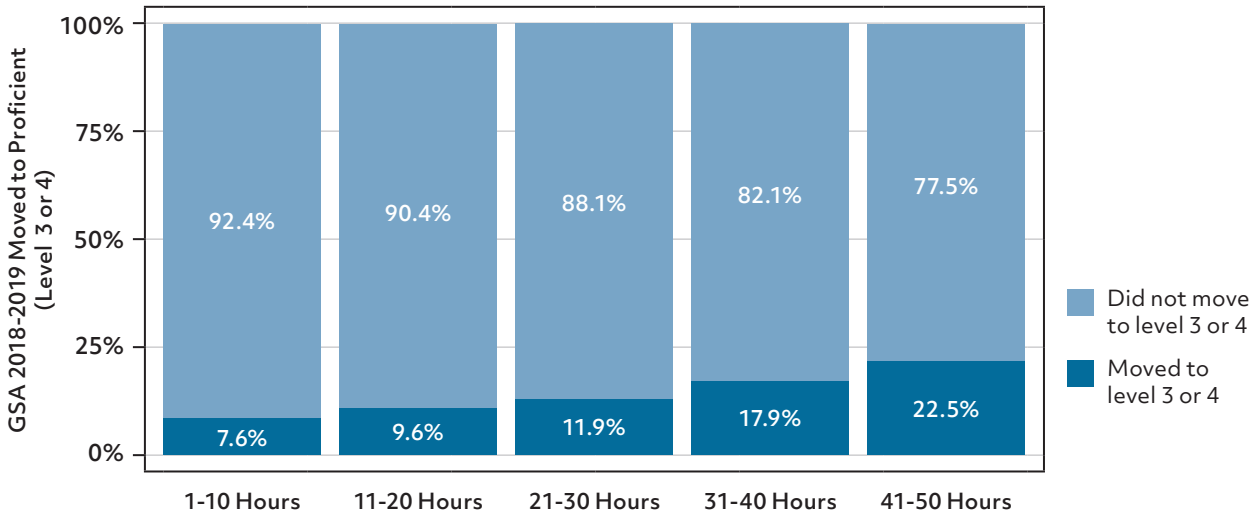
Imagine Math is a rigorous, standards-aligned math program that personalizes learning for each student. Students are immersed in a language-rich curriculum that uses data to scaffold concepts for each learner, ultimately leading to deep understanding of math concepts and college- and career-readiness. Because the system is adaptive, students learn in their zone of proximal development with the right degree of challenge.

Over five thousand students in grades 6 through 8 in a large West Virginia school district used the Imagine Math program during the 2018-2019 school year. To determine the impact of the program in helping students improve mathematics proficiency, we evaluated the association between the number of hours that students spent in the Imagine Math program and the percent of students who converted from not proficient to proficient in mathematics on the West Virginia state assessment. On average, students used the Imagine Math program for 48 hours.

Results

The figure below demonstrates that increased levels of Imagine Math usage were associated with a higher percentage of students achieving mathematics proficiency as measure by the West Virginia state assessment. At the lowest usage level, only 7.6% of students converted from non-proficient to proficient in mathematics between the 2018 and 2019 administrations of the West Virginia state assessment. In contrast, 22% of students in the highest usage category achieved proficiency. Ultimately, these results demonstrate the effectiveness of the Imagine Math program in developing mathematics proficiency.

Figure 1. WVGSA 2018-2019 Proficiency Level Movement for Students Previously Classified as Not Proficient



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