

## Renaissance Supports the ReSolve Math Study

Renaissance is pleased to participate in the Resolve Math Study. This document includes introductory information about our evidence-based products and services which students will use as part of this important study.

### Our products: Star Math assessments and Freckle for math

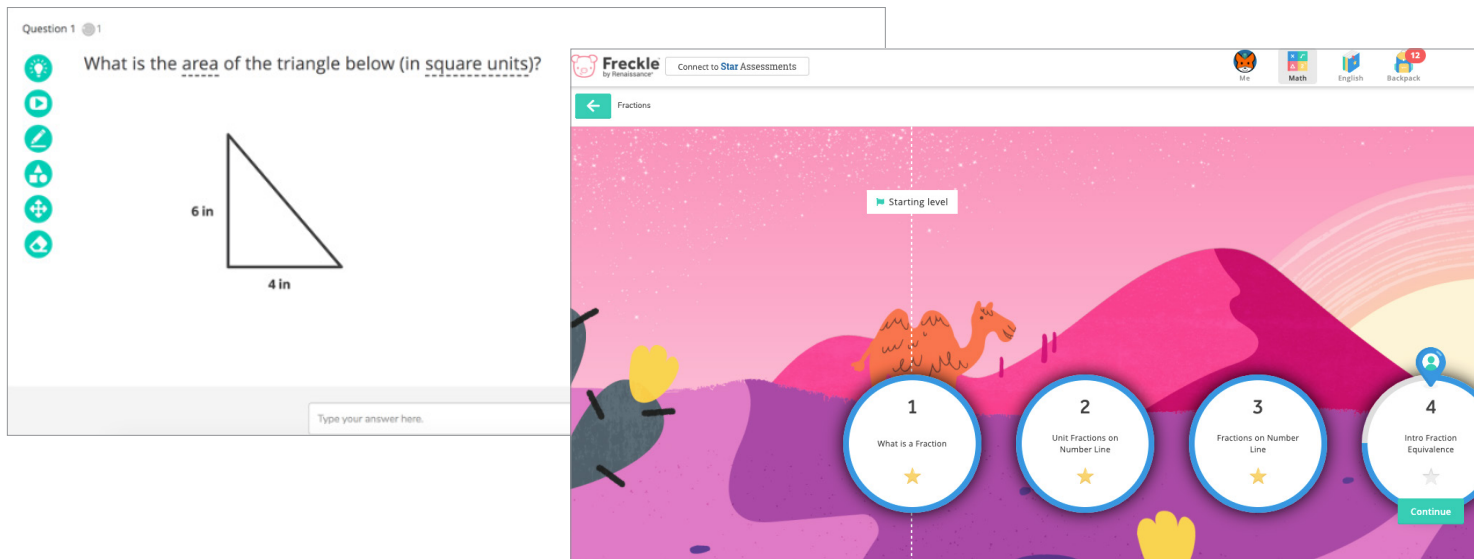
Star Math assessments and Freckle for math, when used together, maximize the impact on student growth and achievement. [Star Math assessments](#) serve as a placement into Freckle, starting students on their learning pathway.

Students begin practice at their just-right level and [Freckle for math](#) adapts to meet students where they are, guiding them forward with interactive, and challenging activities, along with instant feedback and rewards. Friendly incentives and age-appropriate designs provide a balance of fun and learning. Students work independently and can track their own growth and progress, so they have a sense of ownership of their learning journey.

When students get stuck, customized supports guide them through practice, so they are encouraged to never give up. As students practice independently, Freckle continuously adapts to each student's skill level and mastery and provides students with differentiated practice customized to their current skills and knowledge.

English language learners can [toggle between Spanish and English](#) when practicing, and teachers can preview assignments in Spanish.

By using Star and Freckle together, student growth and proficiency increase as students practice more—and at the right level—to support their skill development and mastery.



The image shows two overlapping screenshots. The top-left screenshot displays a math question: "Question 1 1 What is the area of the triangle below (in square units)?" Below the text is a right-angled triangle with a vertical leg labeled "6 in" and a horizontal leg labeled "4 in". A text input field at the bottom says "Type your answer here." The bottom-right screenshot shows the Freckle for math interface. It features a colorful, desert-themed background with a camel and mountains. A "Starting level" indicator is at the top. Below it are four circular progress indicators numbered 1 through 4, each with a star icon. The indicators are: 1. "What is a Fraction", 2. "Unit Fractions on Number Line", 3. "Fractions on Number Line", and 4. "Intro Fraction Equivalence". A "Continue" button is at the bottom right of the interface.



The report, [Trends in Student Outcome Measures](#), found that practice with Freckle for math is time well spent.

With sustained use of Freckle for math, students experience tangible growth in general math ability.

Students participating in the ReSolve Math Study will be assigned to one of two distinct approaches to learning.

## Targeted Practice

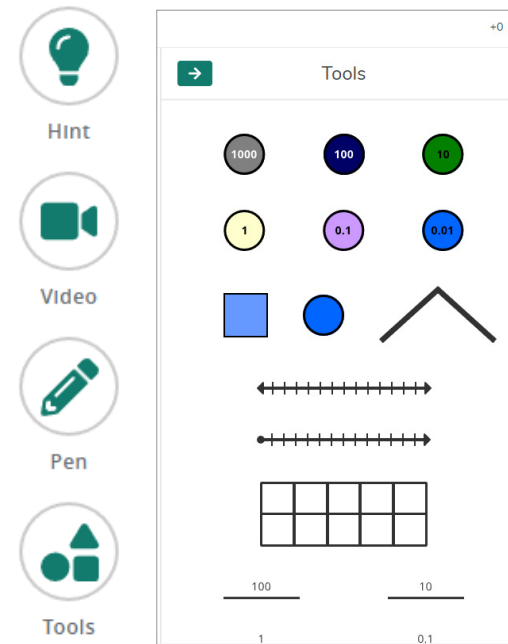
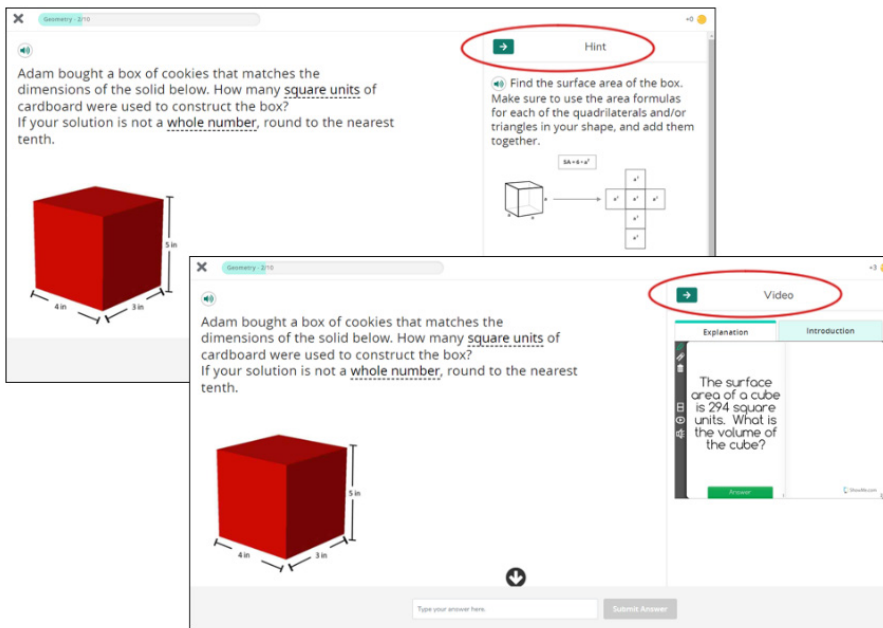
This approach focuses on unfinished learning relevant to the current topic of full-class instruction.

- Lessons reinforce grade-level or prerequisite material with the goal of deepening understanding of the core concepts in the current unit to allow the student to participate more fully in classroom instruction.
- Utilizing the **Targeted Practice** mode of Freckle, students will focus on a set of individualized activities chosen to support their understanding of the current topic the teacher is covering.

## Focus Skills Practice

This approach emphasizes mastery of all areas of unfinished learning from earlier grades.

- Starting with the most basic skill on the learning progression for which a student has unfinished learning, students follow a personalized path to support their mastery of all prerequisite skills.
- Utilizing the **Focus Skills** practice mode of Freckle, students follow a personalized sequence of lessons based on those skills that are fundamental to their understanding of each topic.



*Instructional supports are weaved throughout our various Math Practice and Targeted Products.*

*In all K–5 domains, if a student answers a question wrong, hints and/or videos will automatically appear in a slide-out window from the right (when available).*

## Using Freckle in the classroom

For the study, teachers are encouraged to use Freckle during their existing math block for a total of 60 minutes a week.

Freckle is flexible and can be used in short increments several days a week, and in various settings including station rotation or with the whole group.

## Actionable data to inform instruction and practice

With data and reporting from both Freckle and Star, teachers have access to data that provides the whole picture of student performance and growth.

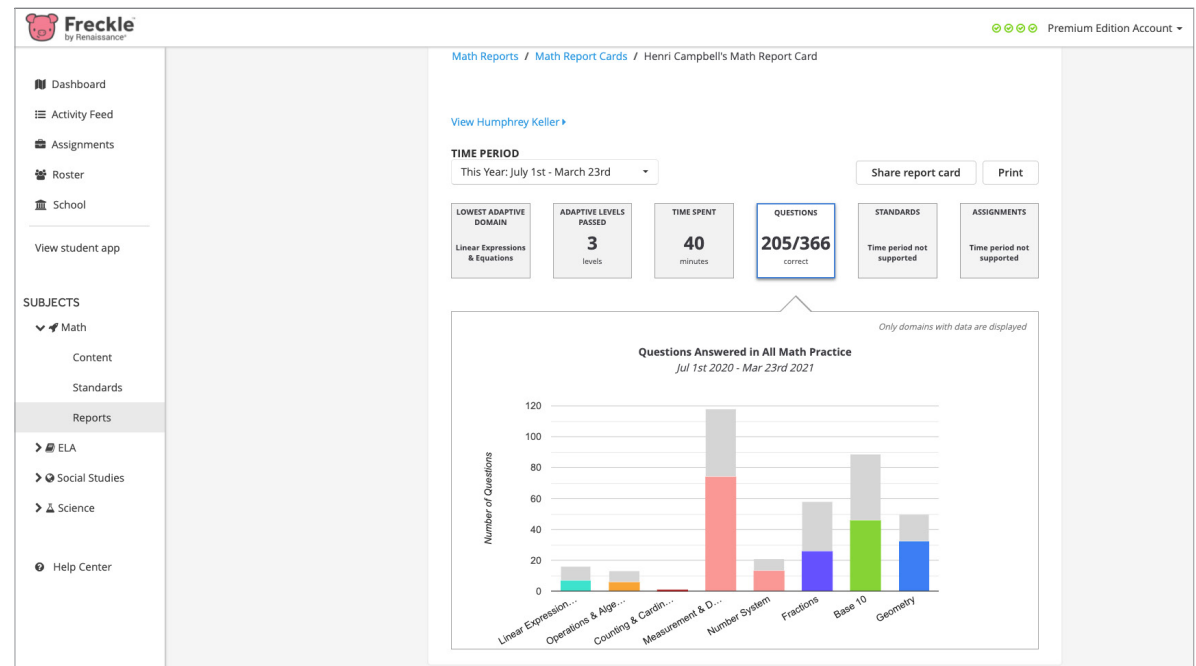
Educators can track performance and measure growth at the individual, classroom, and school levels through dashboards and individual reports, including the [Math Levels report](#) and the Math Report Card.

## Learn more about Freckle and Star reports:

- [Freckle Key Reports and Features](#) (not all reports may be applicable)
- [Star Assessments Key Reports and Dashboards](#)

“I use Freckle during math station time as a station or as a supplement when the station is finished. The adaptive practice assures that students are working on level skills they need to work on.”

*Allie, Teacher, Wisconsin*



## Professional learning for study participants

Renaissance will provide teachers and school leaders with the training and professional learning they need to effectively implement Star and Freckle.

Professional learning opportunities include:

	Summer Orientation	Fall Continuous Learning
Teachers	2 Hours	4 Hours
School Leaders	2 Hours	3 Hours

Topics and details for each professional development session will be provided to schools during the onboarding process. Teachers will be able to make up trainings on-line.

### Resources include:

- [Renaissance U](#)—Online platform housing customized training materials, recorded professional learning, product modifications, and presentation materials for study participants.
- [Sample Training Manual](#)—Training manuals for teachers and staff provide support for the initial implementation of products.

