

# Make Math Relevant, Rigorous and Possible for Every Student

*Glencoe Math empowers you to teach Common Core Math, engage every student, and develop a classroom of critical thinkers.*

## Relevant

*Math in context so students see how math matters*

*Glencoe Math makes math real for students. Thousands of digital planning tools and interactive resources are available online in one, easy-to-use portal, ConnectED. Use them as-is or make them your own to spark student thinking.*

## Rigorous

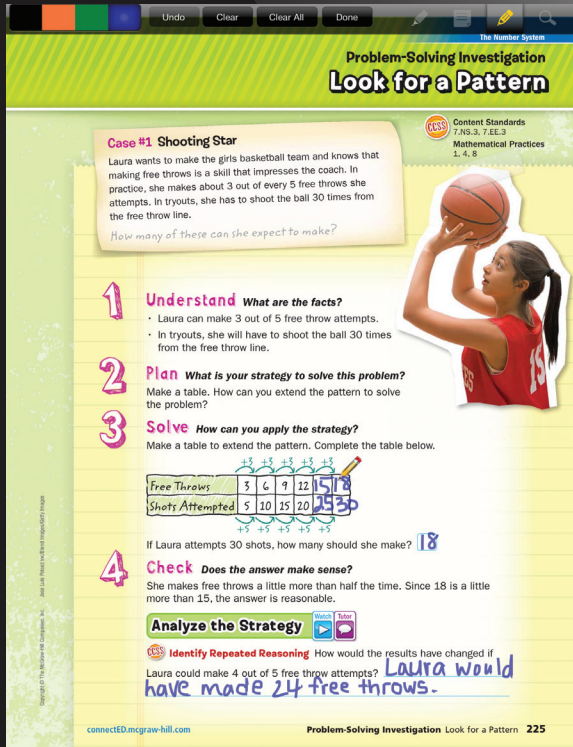
*Rigor is built-in and supported throughout the program*

The three components of rigor—conceptual understanding, application, and procedural skill and fluency—are embedded in resources, lessons, and even assessments.

## Results Focused

*Proficiency for all students is the goal*

Meet students wherever they are in their learning. Assessments help you determine proficiency before, during and after lessons. Differentiated instruction resources ensure approaching-level students master concepts before moving on, while beyond-level students are continually challenged.



**Problem-Solving Investigation**  
**Look for a Pattern**

**Case #1 Shooting Star**  
Laura wants to make the girls basketball team and knows that making free throws is a skill that impresses the coach. In practice, she makes about 3 out of every 5 free throws she attempts. In tryouts, she has to shoot the ball 30 times from the free throw line.

How many of these can she expect to make?

**1 Understand** What are the facts?  
• Laura can make 3 out of 5 free throw attempts.  
• In tryouts, she will have to shoot the ball 30 times from the free throw line.

**2 Plan** What is your strategy to solve this problem?  
Make a table. How can you extend the pattern to solve the problem?

**3 Solve** How can you apply the strategy?  
Make a table to extend the pattern. Complete the table below.

Free Throws	5	6	9	12	15	18
Shots Attempted	5	10	15	20	25	30

If Laura attempts 30 shots, how many should she make? **18**

**4 Check** Does the answer make sense?  
She makes free throws a little more than half the time. Since 18 is a little more than 15, the answer is reasonable.

**Analyze the Strategy**  
**Identify Repeated Reasoning** How would the results have changed if Laura could make 4 out of 5 free throw attempts? **Laura would have made 24 free throws.**

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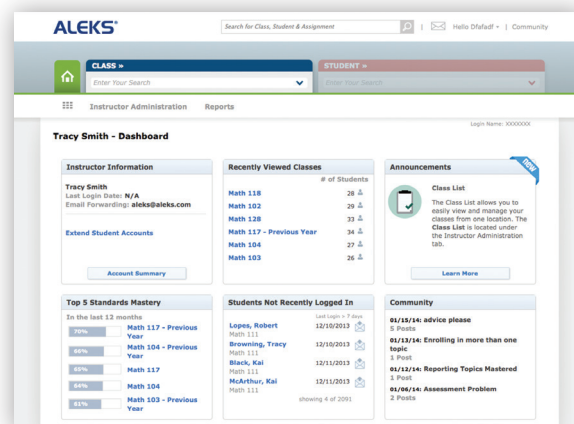
Leverage your passion for teaching with *Glencoe Math*'s robust resources to help every student become mathematically proficient.



Every lesson, activity, assessment, and resource included in *Glencoe Math* is designed to build your students' mathematical understanding and connect learning to the Standards for Mathematical Practice.

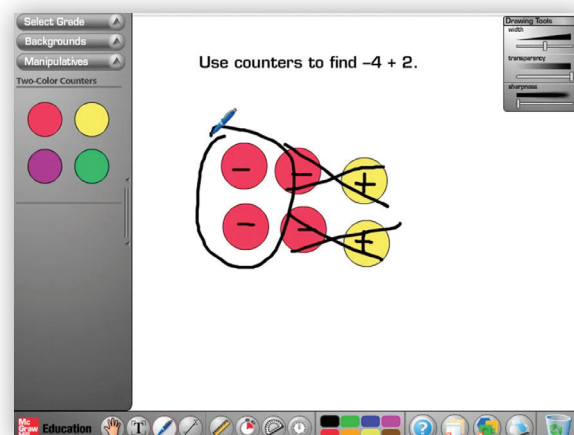
## Adaptive Learning

ALEKS® is embedded into the program, providing adaptive, personalized learning and assessment to target knowledge gaps and deliver focused instruction. As a result, ALEKS allows you to easily differentiate instruction to support and challenge each student's unique learning needs.



## Interacting with Math

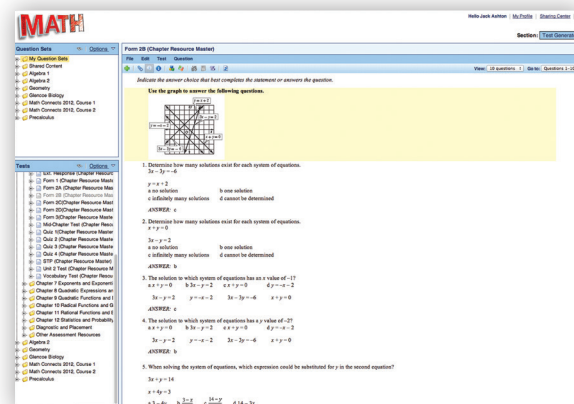
*Glencoe Math* is fully interactive. From taking notes and working practice problems right in their textbooks—in both print and digital formats—students continue to engage in learning through graphic novels and real-world examples while seeing math in action with The Geometer's Sketchpad™ and Virtual Manipulatives embedded throughout the program.



## Preparing for the Next-Generation Assessments

The CCSS online assessments are new for both you and your students. *Glencoe Math* has comprehensive professional development resources built right in to help you become comfortable with the content and functionality of the assessments. Students will gain confidence through practice with our online test prep that mirrors the Common Core assessments.

*Glencoe Math* 2015 Student Edition is also available in Spanish.



Ready to learn more? Contact your local sales representative or Call 800-334-7344. Explore at [mheonline.com/glencoe-math](http://mheonline.com/glencoe-math).