

Alef: Middle

School Mathematics

Brochure 2021



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ALEF IN NUMBERS



Each lesson
takes approximately

15-20

minutes to complete



The platform
includes over

800

mini-lessons for
grades 6 to 8



Nearly

14,000

unique assessment
items are available
on the platform



With over

1,000

videos, the platform
offers engaging
content for instruction

WELCOME TO ALEF MATH!

Alef Platform is an award-winning platform that enables students to achieve mastery of mathematics and empowers teachers and education leaders with real-time data. The flexibility of the Alef platform allows for implementations that best meet your school's needs.

At Alef, our equation is simple: powerful digital tools + customized, personal learning experiences = student success.

KEY PLATFORM FEATURES

Engaging Content Designed by Teachers for Teachers

- The Alef Platform provides lessons and assessments that are standards-aligned and were designed and developed by mathematics teachers for mathematics teachers.
- Alef Math uses evidence based learning experiences to build student proficiency in mathematics using interactive content and engaging learning techniques including games and simulations.

Immediate Feedback

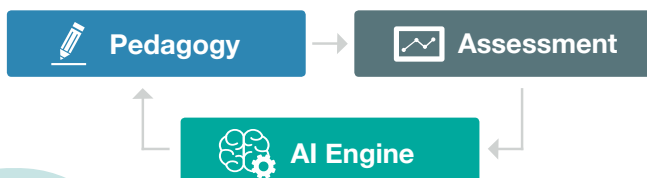
- Interactive features within the lessons use hints and feedback to help students construct knowledge.

Adaptive Learning and Assessment

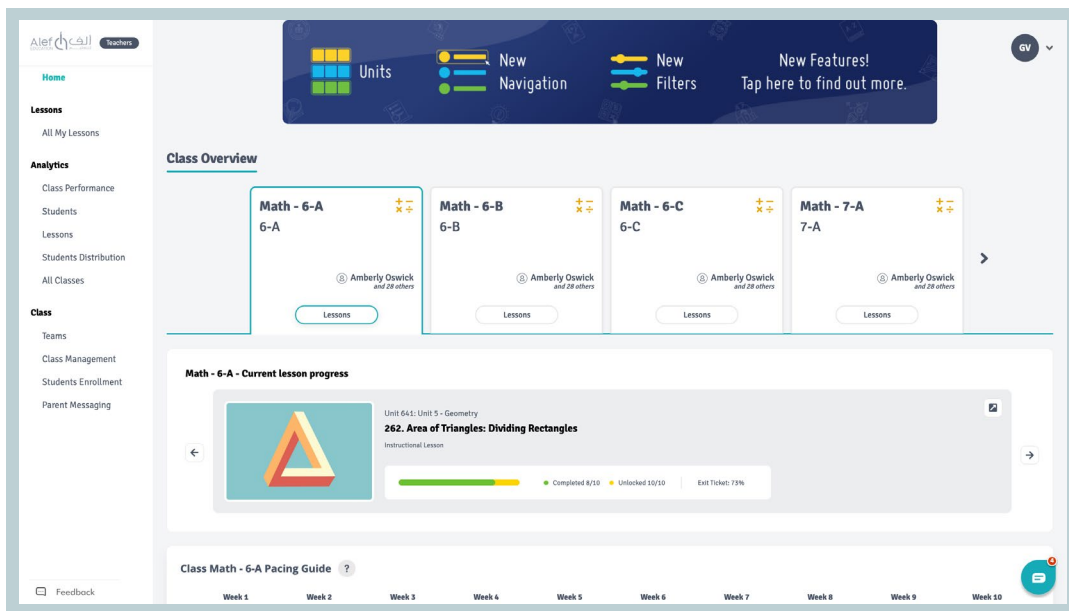
- Students need instruction that responds to their unique needs. The Alef Platform provides a personalized learning experience, allowing students to learn at their own pace—anytime and anywhere.
- Artificial Intelligence analyzes student performance in real-time, providing individualized instruction and giving students agency over their learning journey

Real time actionable data

- Today, it is more important than ever for teachers and education leaders to have timely data that clearly identifies where students are struggling and what interventions are needed. The Alef Platform provides an advanced performance monitoring and feedback system – in real time. Data collection and analytics facilitates progress monitoring at the district, school, grade, class, or student levels.



ALEF PLATFORM WALKTHROUGH



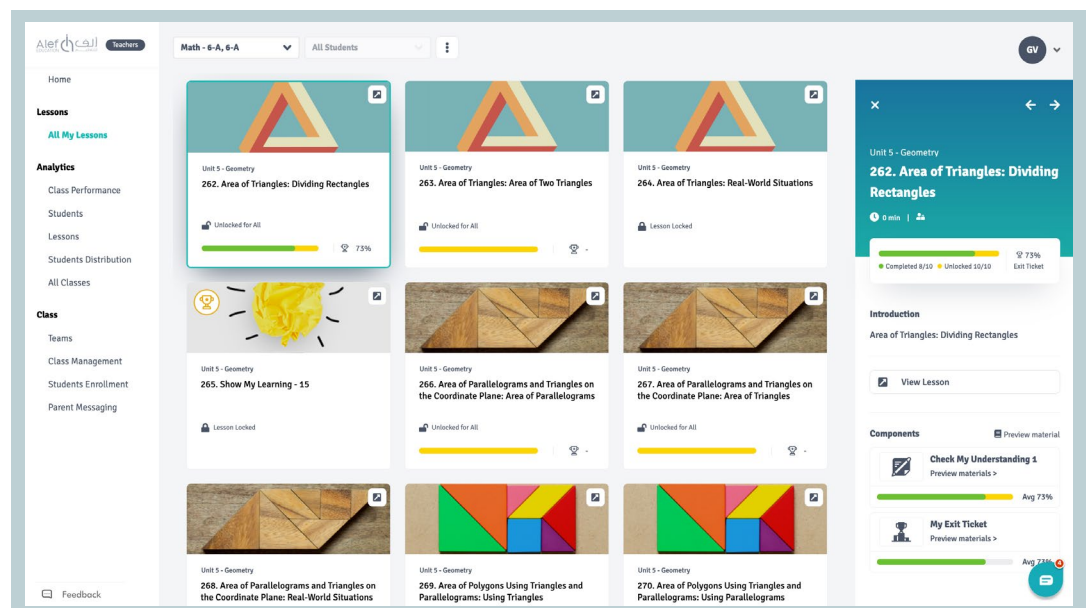
Dashboard

Allows teachers to navigate between classes and view current and weekly progress.

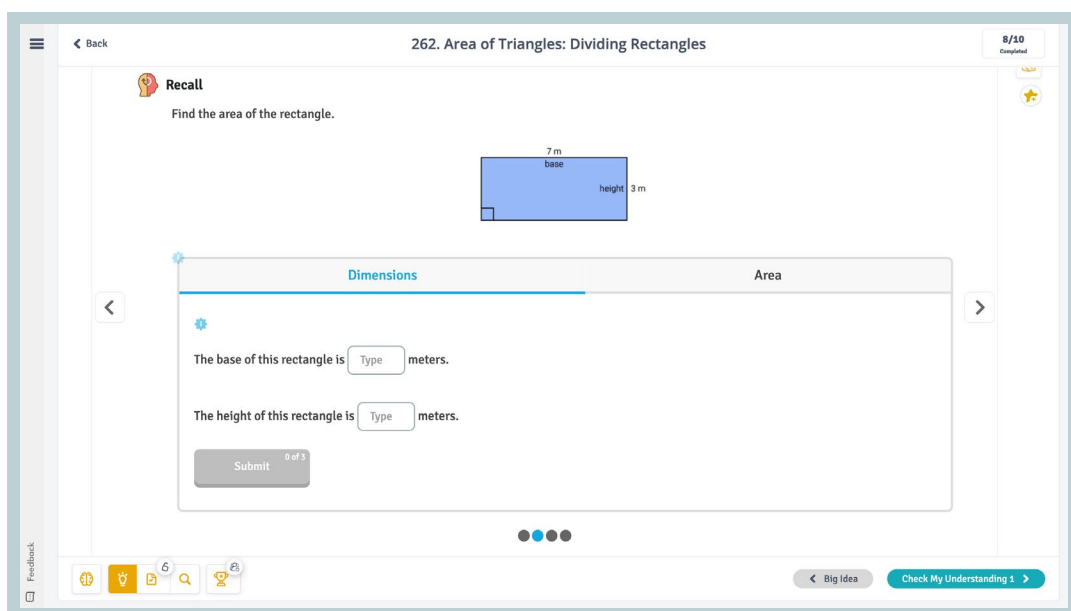


Lesson Listing

Teachers are able to preview material, review lesson sequence, and track student progress within each lesson.



ALEF PLATFORM WALKTHROUGH



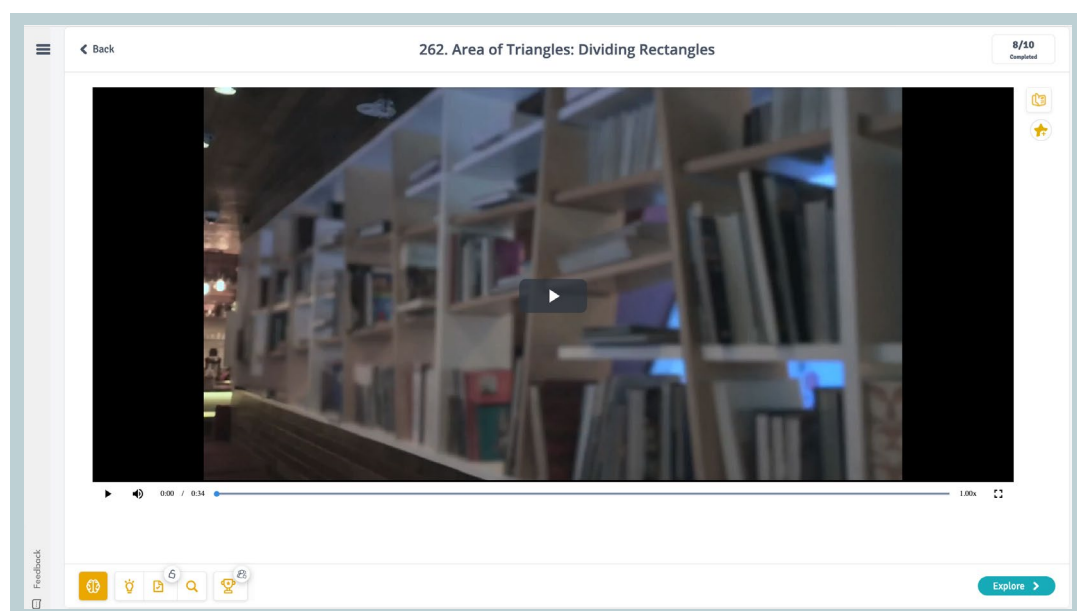
Preview Lesson - lesson components

While previewing a lesson, teachers can navigate to each lesson part (component), track student progress for each component, review key terms, and award multiple stars.



Big Idea

Introductory video that gives students and teachers an overview of the lesson's objective. Videos range from 30 seconds to 2 minutes in length.



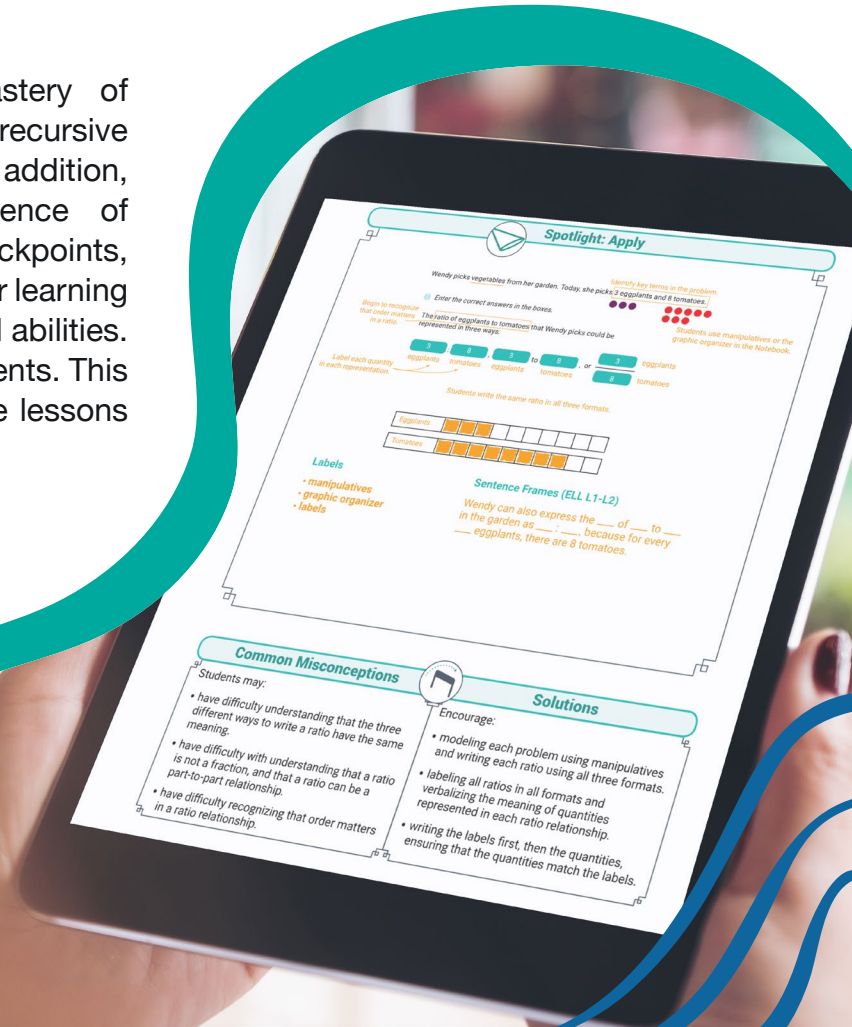
TEACHER GUIDES

Each teacher guide provides strategies for:

- Responsive instruction and intervention
- Working with English Language Learners
- Supporting below level learners
- Small-group activities to reinforce and extend learning
- Addressing common misconceptions

How does it work?

Lesson organization helps to facilitate mastery of concepts. Instructional scaffolds in the form of recursive cycles are provided to enhance learning. In addition, formative assessments are used as evidence of progress toward desired proficiency levels. Checkpoints, remediation activities, and enrichment tasks offer learning opportunities tailored to students' strengths and abilities. Real-time data is available to teachers and students. This flexible approach enables students to complete lessons at their own pace.



THE INSTRUCTIONAL WORKFLOW

CHOOSE YOUR COURSE

english level:2

maths level:1

science level:3

history level:1

Math Lesson Content



Big Idea

Warm-up

The **Big Idea** video introduces students to the lesson objective through a real-world application of a related problem.



Last look

Closure (wrap-up)

The **Last Look** video summarizes the lesson. Students complete an Exit Ticket to demonstrate mastery.

Launch the Lesson

Explore

Students **explore** the concept using multiple strategies, working in groups or individually to gain in-depth understanding of the lesson's main objectives.

Apply

Students **apply** the strategies they have learned, working through interactive questions and getting immediate feedback

Relate

Students **relate** what they have learned to real-life problems, making learning both engaging and relevant.

BENEFITS STUDENT

Engaging content and personalized learning motivates students to learn and succeed.

- Lessons are engaging, interactive, experiential, and assess student proficiency after each assessment touchpoint.
- Instructional videos cover math practices, strategies, and other 21st Century Skills to support students in problem solving and making connections to the world in which they live.
- Instant hints and feedback guide students in constructing their knowledge of mathematics.
- Individualized learning pathways guide students from where they are to where they need to be.
- Games and interactive learning keep students engaged in the learning experience.



BENEFITS TEACHER

Teachers save time, with immediate, actionable data that allows them to focus their efforts on meeting the specific needs of individual students.

- Lessons are developed by teachers and educational experts.
- Alef US Math provides comprehensive coverage of the CCSS in Mathematics to ensure there are no gaps in student understanding and knowledge.
- Each mini-lesson is designed to build student understanding and minimize the time teachers spend planning and searching for instructional resources.
- Assessment questions were created with high-stakes assessments in mind.
- Instant feedback provides teachers with the data they need to make the right choices at the right time to support every student.



BENEFITS EDUCATION LEADER

Instructional leaders and administrators get real-time data to drive school-wide improvement.

- Alef Analytics provides immediate, granular and comprehensive data for instructional leaders and administrators for monitoring student, classroom, school, and district-wide progress.
- Real-time data facilitates immediate action or intervention, an important tool for building achievement over time.



IMPLEMENTATION MODELS

Alef provides a flexible solution that can support multiple learning environments:

- Supplemental - Use during or after classroom instruction
- In-class - Use as a resource to support your instruction
- Hybrid - Use in conjunction with traditional instruction
- Remote - Use to support distance learning

Consulting Services: Training and Coaching

Professional development and coaching is essential to ensure the success of the platform with your instructional staff and improved learning outcomes for your students. Our education experts will be with you every step of the way as you begin your journey using the Alef Platform.

Alef Education provides the following tailored training and consulting services:



ONBOARDING

An on-boarding session for teachers and school leaders will be provided



ONGOING PROFESSIONAL DEVELOPMENT

Specialized topics will be provided to support effective implementation of the platform.



SUCCESS COACHING

Weekly meetings with school leaders and teachers will be scheduled to review data.



COMMUNITY

On-demand resources can be found in our Teacher Community.





CONTACT US

THE ALEF PLATFORM
IS DISTRIBUTED BY
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