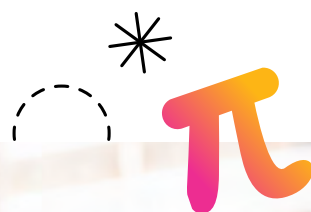


HMH  Into Math®

HMH  ¡Arriba las Matemáticas!™

# Program Overview

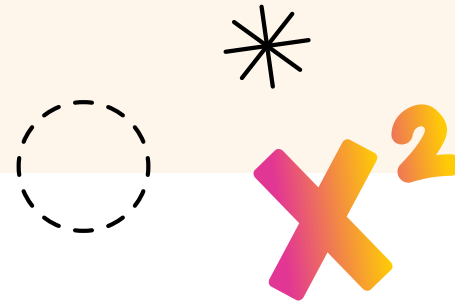


V2

Grades  
6-ALGEBRA 1



# HMH Into Math<sup>®</sup>



## Introducing *Into Math*<sup>®</sup> Version 2!

*Into Math*<sup>®</sup> Version 2 brings fresh energy, smarter supports, and the trusted pedagogical foundation without adding to your plate. It's designed to fit naturally into your day, helping you teach with confidence and connect with every learner.

### What's Inside

- 2** Made for today's classrooms
- 4** Flexible instructional model
- 7** Interactive presentations
- 8** Student-centered learning
- 10** Multilingual learner support
- 12** Differentiation and practice
- 14** Embedded assessments
- 16** Professional learning
- 18** Program components
- 20** Manipulative kits

# Discover the joy in math

Explore a math program crafted to captivate and inspire your students while providing comprehensive support for teachers with high-quality instructional materials (HQIM), hands-on learning, tailored resources, and more.

## Why you'll love *Into Math* Version 2



### **Math that inspires**

*Into Math* sparks curiosity and excitement in your students. By focusing on student discourse and hands-on learning, the program leverages each student's unique experiences and knowledge. Plus, students build connections with their classmates and the math they encounter in the world.



### **Supports for all learners**

*Into Math* integrates expanded scaffolds and enhanced language supports designed to meet a wide range of learner needs—whether students require additional help, are progressing on track, or are ready for greater challenge. Throughout every aspect of instruction and assessment, teachers are equipped with the resources to intervene early and often to accelerate learning.



### **Teacher-friendly**

A seamless blend of print and digital resources makes lessons easy to plan and teach. The Teacher's Guide and Interactive Classroom Presentations provide clear pacing and comprehensive supports, including teaching strategies and recommendations.



# Discover the path to math success

*Into Math* supports teachers at all levels. A variety of resources can help you set math growth in motion for all students. You can access what you need when you need it, easing the burden of planning. That way you have more time to deliver dynamic, whole-class instruction.

## HMH Into Math® 6–8, Algebra 1

Each lesson is 2 sessions

Whole-Class Instruction ⌚ 2 x 45 min

### HMH Classcraft™

#### Get Ready

- Learning Goal Routine

#### Learn

- Spark Your Learning
- Task-based learning
- Turn & Talk
- Language Routines
- Embedded common error, multilingual learner, and universal design for learning support

#### Assess

- Quick Check
- Learning Goal Routine
- Informs differentiation options

Data insights from Quick Checks and Program Assessments

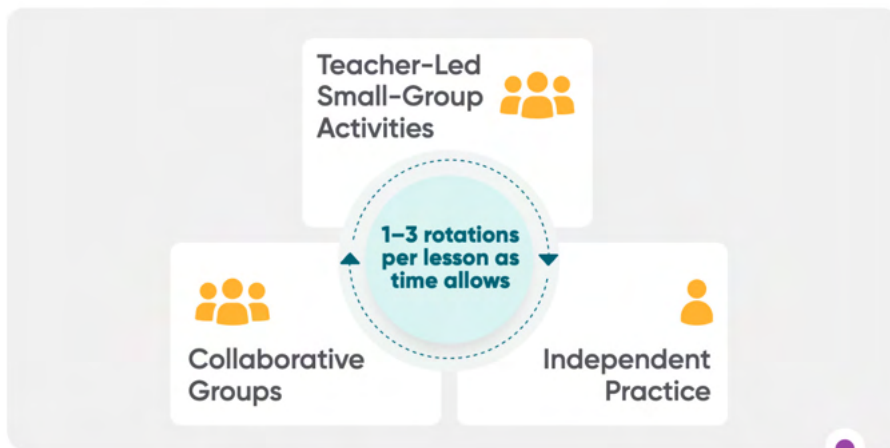
### HMH Classcraft™

Essential Sessions feature:

- ✓ Presentation Slides
- ✓ Interactive Tasks
- ✓ Teacher Notes
- ✓ Real-Time Data



## Differentiation and Practice 15+ min



### Teacher-Led Options

Small-group activities for all levels:

- Almost There
- On Track
- Ready for More

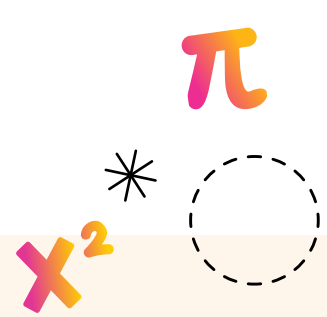
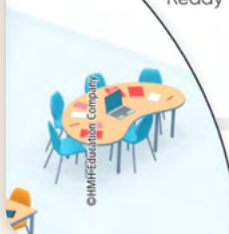
### Collaborative Groups

- Math Language Routines and Activities
- Math games

### Independent Practice

- Practice on Your Own (Lesson Practice)
- Leveled practice
- Almost There Activity: Reteach
- On Track: Practice Plus
- Ready for More Activity: Challenge
- Fluency practice
- Personalized Adaptive Practice with

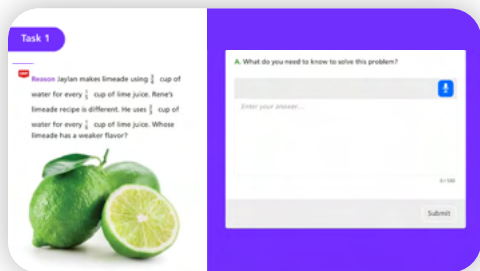
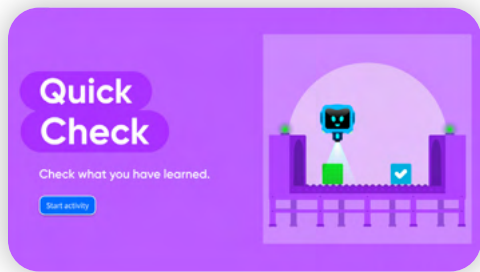
**HMH Waggle®**





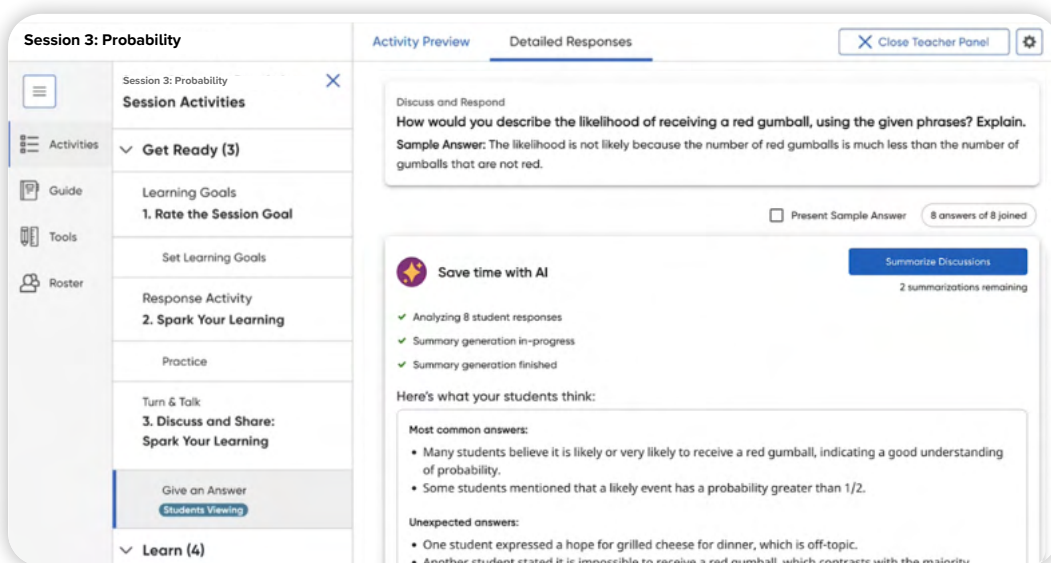
# Bring your lessons to life

Transform your whole-class instruction with engaging, ready-made lessons. You have the flexibility to choose how much digital content your students experience. Whether implementing no-tech, full-tech, or anywhere in between, you can save time with the standards-aligned sessions and classroom management tools available on *HMH Ed™*.



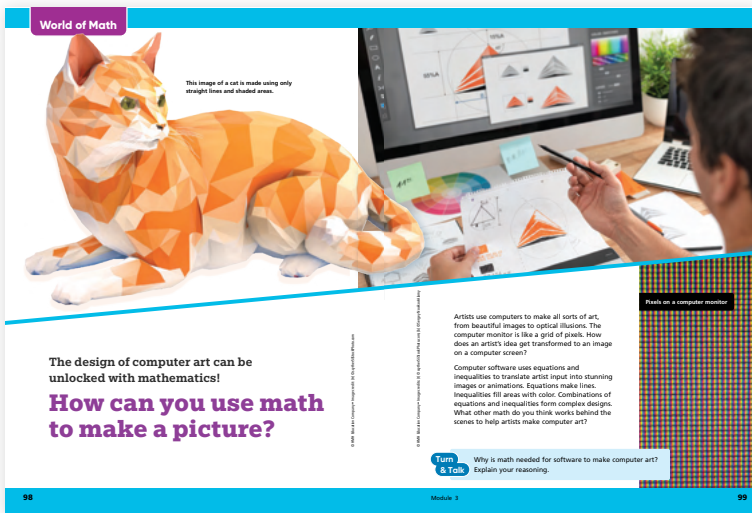
## Use it your way

- **Saves Educators Time:** Ready-made lessons make the delivery of whole-class instruction more efficient and effective.
- **Engages Every Student:** Instructional routines are designed to make learning more interactive, increasing student engagement, ownership of learning, and peer-to-peer collaboration.
- **Delivers Real-Time Insights:** View real-time insights on student performance during whole-class instruction, including AI to summarize student responses.



# Foster engagement and collaboration

*Into Math* brings content to life through student-centered, collaborative learning. Each lesson begins with a Spark to activate prior knowledge and address misconceptions. Students then engage in high-quality, discourse-rich tasks that build conceptual understanding. Features like World of Math and Module Projects support investigation while piquing curiosity, encouraging students to reason, model, and collaborate as they make sense of the world.

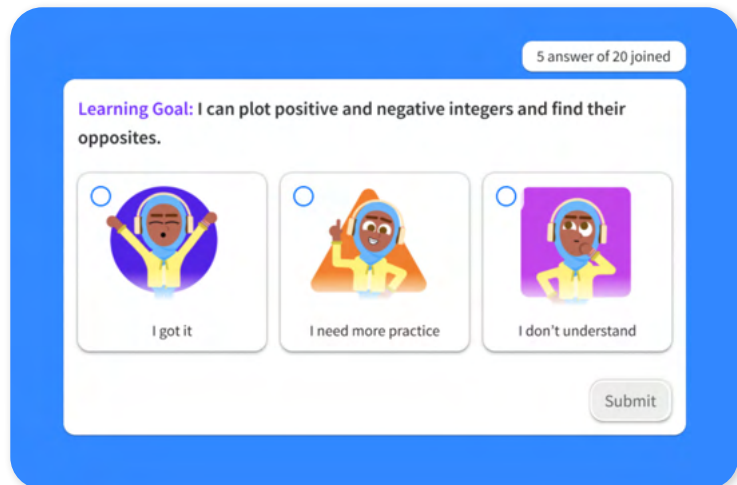


## World of Math

World of Math brings a fresh dimension to *Into Math*<sup>®</sup>, offering low-floor, high-ceiling tasks that connect learning to history, culture, careers, and everyday life. It encourages students to collaborate, engage in rich discourse, and apply math in meaningful, real-world contexts.

## Learning Goal routine

This routine helps assess students' confidence with a learning goal at the start of each session. Not only does this promote ownership, but it ensures you can tailor your instruction to meet the needs of all learners.




## Spark Your Learning

These tasks ignite productive perseverance by leveraging students' prior knowledge to tackle new concepts and skills. Each lesson begins with a Spark to identify and address early misconceptions.

**Spark Your Learning**

Fergal is recording the number of yards his school's football team gained or lost on successive plays in a game. In the table shown, write the opposite of each quantity recorded. Then create a model or representation of the opposite of each loss or gain.



10 / 22 responses

Show your thinking.

Quantity	Opposite
gain of 2 yards	
loss of 4 yards	
loss of 8 yards	
gain of 13 yards	
loss of 2 yards	

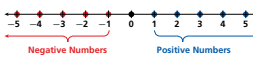
## High-quality math tasks

The series of tasks that follow within the lesson build upon the concepts laid in the Spark. The tasks reinforce students' learning, help them tackle the learning goal, and promote mastery.

**Task 1**


Positive numbers can be written with or without a positive sign (+), but they are usually written without it. Negative numbers are always written with a negative sign (-).

**Vocabulary**  
 A **positive number** is a number greater than zero.  
 A **negative number** is a number less than zero.



The results of three football plays are shown in the table.

Result	Net Yards
4-yard gain	4
1-yard loss	-1
4-yard loss	-4

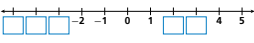


A. What does 0 represent in this situation?

B. Complete the statement using *lost* or *gained*.  
 The negative number represents the yards \_\_\_\_\_.

C. Complete the statement using *lost* or *gained*.  
 The positive number represents the yards \_\_\_\_\_.

D. Complete the number line. Then plot each result from the table on the number line.



**Turn & Talk** How can you describe a pattern in the positive numbers as you move left to right on a number line? Does the pattern apply for negative numbers as well? Explain.

8

## Module projects

Hands-on, open-ended problems (DOK 4) encourage high-level understanding. Students collaborate and **apply math using data from real-world scenarios**, promoting investigation and critical thinking. Students can log in to *Ed* to create data models using the data from their projects.

**Module 1 Project**  
**One Way to Choose a Car**

Group Members: \_\_\_\_\_

What factors might people consider when buying a car? Some people want the latest technology or the best safety ratings. Others want fuel efficiency or hybrid gas and electric models.



Imagine you are going out with your family to pick a new car. They want a fuel efficient and cost-effective car. How could you use data to help them compare two cars to make the best decision?

**What is the project about?**  
 In this project, you will evaluate two mid-size SUVs, one hybrid and one gas-powered, and make a recommendation about which to purchase by:

- identifying and analyzing proportional relationships related to mileage and gas cost,
- calculating unit rates related to mileage and gas cost,
- comparing the cars and using reasoning to make a recommendation about which car to purchase, and
- solving a rate problem related to the first planned car trip.

**What are the steps of the project?**  
 ✓ Check each step as you complete it.

Review the rubric. Set a goal of how you want to rate your work.

# Cultivate growth for every student

## Key Routines

Developed by Dr. Kate Kinsella, the Key Routines in every module and grade level ensure multilingual learners feel comfortable in their classroom environment.

For example, the **Turn & Talk activity**, included in every lesson, fosters a supportive learning environment. Students participate in meaningful conversations with a partner, and their thinking becomes visible to the teacher and classmates.



Dr. Kate Kinsella

### How can I support my multilingual learners' participation in learning?

#### Module 1 Key Routine: Assigning Lesson Partners

**Purpose:** To ensure students can engage in lesson interactions efficiently and productively

1. Assign letters (A/B) for partners so you can easily cue who should speak first and increase time on task.
2. Use desk rows, places at tables, or proximity to classroom items to assign A/B partners.
3. Initially pair students with partners with whom they'll feel focused and comfortable.
4. Keep partners together for a module before changing to help them acclimate and achieve a working rhythm.
5. Avoid partnering students with extreme skill inequities (e.g., emerging English with advanced) or similar challenges (e.g., striving reader; easily distracted).
6. Assign students with emerging English proficiency and/or learning challenges to an existing duo who has stronger social and academic skills. (This will be a trio instead of a partner.)

See Language Development Resource Guide for more details about these routines.

## Academic vocabulary resources

Dr. Kinsella helped create the Words to Learn routine, integrated into vocabulary cards in every student book, that helps students master essential math terms. These cards guide students to **SAY, DEFINE, DISCUSS, and USE** new words. Teachers can use copies of the cards for games and word walls, and the module planner provides a list of key terms and blank templates for further customization.

**pi ( $\pi$ )**

**SAY IT**  
pi  
noun

Circumference =  $\pi$  Diameter

Module 12

**pi ( $\pi$ )**

**DEFINE IT**

the ratio of the circumference of a circle to the length of its diameter;  $\pi$  is approximately 3.14, or 22/7

**DISCUSS IT**

You can use pi to find the \_\_\_\_\_ of the wheels used in your project.

**USE IT**

**Question:** Why would the formula for circumference give more accurate results as we use a more accurate or longer version of pi?

**Answer:** The formula for circumference would give more accurate results as we use a more accurate or longer version of pi because \_\_\_\_\_.

**Your Turn**

Module 12



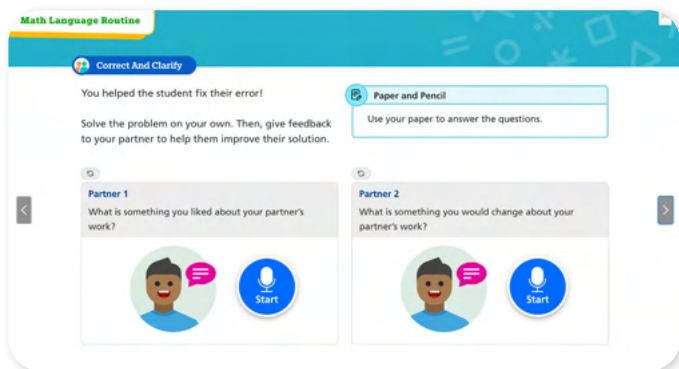
TEACHING STRATEGY

## Multilingual Learners

Multilingual students will likely process information in multiple languages simultaneously, using their home language as a driver to learn academic English. While they are reading the question in English, they may also be thinking and making connections using their home language, especially for unfamiliar terms like loan, interest, and interest rate. Be sure to allow ample time for students to process the information and internally translate it

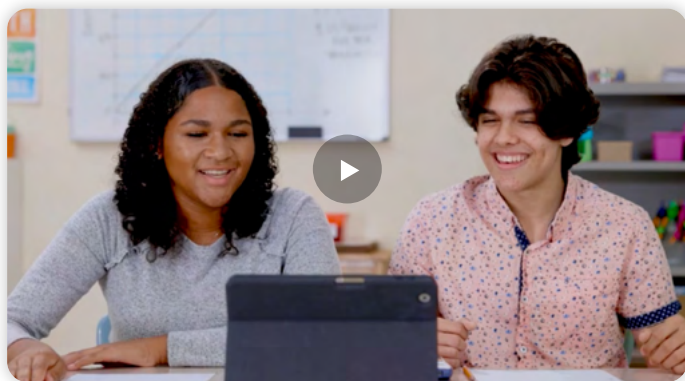
## Teaching strategies

Teachers have access to targeted strategies for multilingual learners. Point-of-use scaffolds are embedded within the lessons. These resources help multilingual students grasp lesson content more effectively.



## Math Language Routines (MLRs)

MLR activities offer fun and meaningful practice during small-group time and partner work. Activities like MLR3, *Critique*, *Correct*, and *Clarify* help students improve academic language.



## Peer Coach videos

Peer Coach videos provide clear, step-by-step demonstrations of classroom routines. These resources support teachers and students by modeling effective practices using real students solving real problems—helping build confidence and consistency in instruction.



**ENGLISH  
LEARNERS  
SUCCESS  
FORUM**

Through in-depth consultation and review, ELSF's experts in English learners and K–12 Math guided the *Into Math* curriculum developers to address the linguistic and cultural needs of English learners.

ELSF collaborates with researchers, teachers, leaders, content creators, and funders to improve the quality and accessibility of instructional materials for English learners. ELSF efforts aim to provide English learners full access to grade-level content and quality learning.

# Provide targeted support

## Practice on Your Own

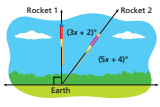
This feature allows students to practice what they have learned and includes **Robert Kaplinsky's Open Middle™ problems**. These low-floor, high-ceiling activities are accessible to all students, encourage advanced problem-solving, and promote deep exploration and reasoning.

Angle Relationships

Name \_\_\_\_\_

**Practice on Your Own**

1. **Use Structure** A rocket blasts off at a  $90^\circ$  angle from Earth. A second rocket launches at a different angle, as shown in the diagram.




A. Write an equation that can be used to determine the value of  $x$ .  
Equation: \_\_\_\_\_

B. What is the value of  $x$ ?  
 $x =$  \_\_\_\_\_

C. What is the measure of the angle of the second rocket launch in relation to Earth? \_\_\_\_\_ $^\circ$

2. Consider the diagram.



Based on the diagram, if one angle measure is given, how can you determine all of the other angle measures?

4. **Open Middle™** Using the digits 0 to 9 at most one time each, place a digit in each box to make  $\angle a$  and  $\angle b$  supplementary angles as well as the corresponding value for  $x$ .

$\angle a$    $x +$   $^\circ$

$\angle b$     $x +$   $^\circ$

$x =$

for the measures of measures.

each, place a digit in it as the corresponding

Module 8 • Lesson 2 91

## Practice videos

Students and parents can watch engaging, **step-by-step videos** demonstrating how to solve practice problems. These videos not only make learning enjoyable, but also ensure students can grasp the concepts.



## Almost There Small-Group Activities

The **tabletop flipchart mini-lessons** are perfect for co-teachers or resource math teachers. Detailed instructions, suggested questions, and additional materials support small-group instruction. The lessons enhance problem-solving and math talk. Additionally, Small Group Activities are available in the same format for students who are **On-level** and **Ready for More** are available online as downloadable PDFs.

Teacher's Guide

### Almost There: Solve Multistep Problems with Rational Numbers in Context

**Materials**

Recipro Generation Chart (Lesson Support Printout)

Have students solve multi-step problems with rational numbers. Show students the recipe for tropical punch.

Give the following sequence of instruction:

- Ask: How much more pineapple juice than orange juice is in the recipe? What operation do you use to solve the problem?  $\frac{1}{2}$  c subtraction
- Ask: How many times as much orange juice is there as lemon juice? What operation do you use to solve the problem?  $\frac{1}{2}$  times as much, division
- Tell students you want to make the recipe for a party and need to serve 24 people. Have students explain what they would do to change the recipe. Multiply each quantity by 4.
- Have students explain different ways they could multiply each quantity by 4. If necessary, prompt students to consider converting mixed numbers to improper fractions or converting fractions to decimals. Then have students interpret the quantities.  $\frac{1}{2}$  c lemon juice, 8 c sparkling water

Lesson 7.4 Solve Multistep Problems with Rational Numbers in Context

**RECIPE**  
**Tropical Punch**

<p><b>1 batch</b></p> <ul style="list-style-type: none"> <li><math>2\frac{1}{2}</math> c pineapple juice</li> <li><math>1\frac{1}{2}</math> c orange juice</li> <li><math>\frac{1}{2}</math> c lemon juice</li> <li>2 c sparkling water</li> </ul> <p>Mix and chill. Serves 6</p>	<p><b>4 batches</b></p> <hr/> <hr/> <hr/> <hr/>
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Lesson 7.4 Solve Multistep Problems with Rational Numbers in Context HS-IM7-4-1-1

## Personalized adaptive practice

Now included with Into Math, teachers can assign content aligned to daily instruction or use auto-assignment for targeted practice. Powered by a skill-based AI engine, the adaptive practice adjusts in real time to meet each student's needs and provides powerful data insights to inform instruction.

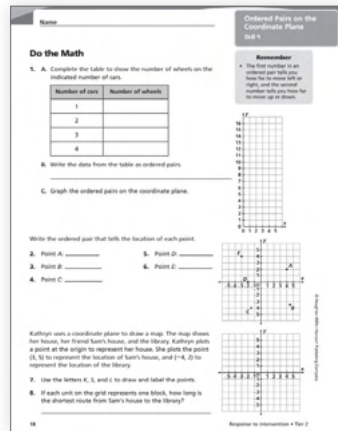
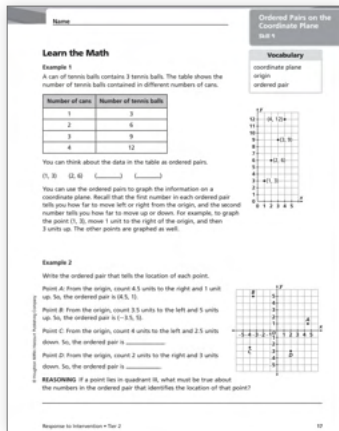


### Weekly Waggle Goal Achieved

Everyone reached the recommended 45-minute weekly practice goal! You can now give them extra Waggle practice time.

7/7 Students reached goal

[View Class Progress](#)

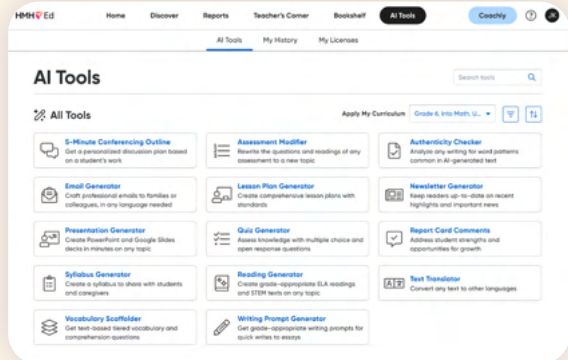


## Intervention activities

Targeted intervention supports students who need additional help in mastering key concepts.

## Customize resources automatically with AI tools on HMH Ed

HMH AI tools make it easy to generate leveled math content readings to build background knowledge and adjust text passages for varied reading levels. You can also create quizzes and parent letters in multiple languages and maintain district control over AI availability—all safely, securely, and in the same ecosystem as your HMH curriculum!



For your privacy and security, HMH has entered into a Zero Data Retention (ZDR) arrangement with Open AI™, ensuring data sent to Open AI is anonymized and cannot be used to train their model.

# Gain insight into student progress

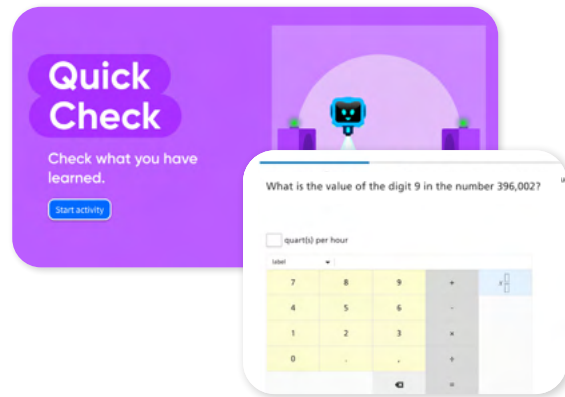
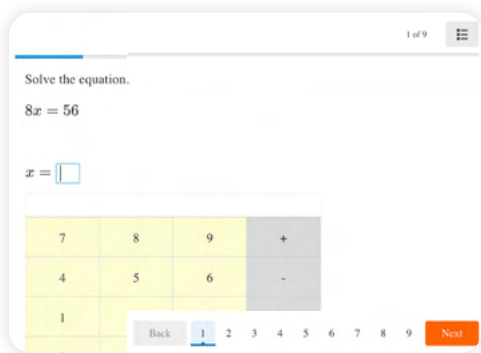
## Interim assessments

Determine progress at strategic points in the school year with beginning, middle, and end of the school year benchmark assessments.

## Formative assessments

Formative assessments help teachers uncover students' knowledge in real time, address misconceptions, and make informed instructional decisions.

Full audio support on *Ed* ensures teachers are assessing students' math understanding rather than their reading comprehension. This feature is particularly beneficial for multilingual learners and students with reading difficulties.

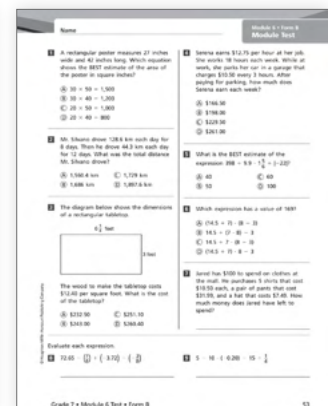
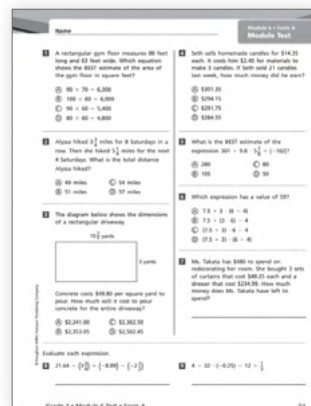


**Prerequisite Check:** This feature helps educators gauge students' prerequisite knowledge, make informed decisions, seamlessly form small groups, and reteach essential concepts to the entire class.

**Quick Check:** Use Check Understanding, in print or digitally, to check for student understanding of lesson content before independent practice. Built-in differentiation resources prepare students for upcoming practice.

## Summative assessment

**Module assessment:** Track student understanding of math concepts and the **Mathematical Practices (MPs)** within each module. Two forms, Form A and Form B, are available. Teachers can use one form for formative assessment and the other for retakes or to prevent answer sharing, ensuring accurate evaluation of student knowledge.

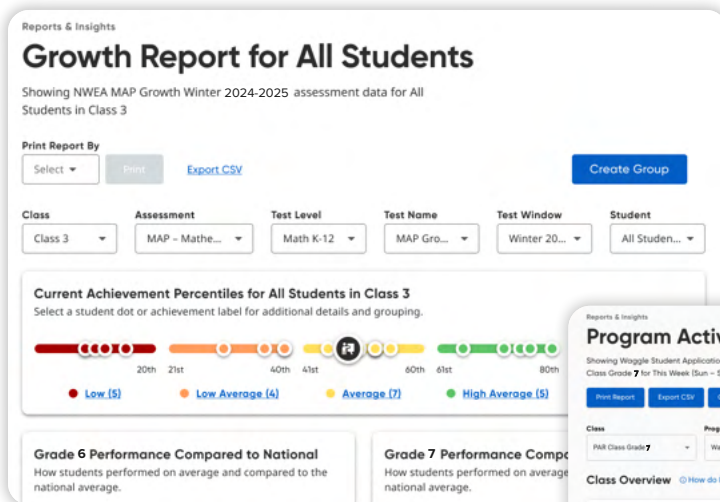
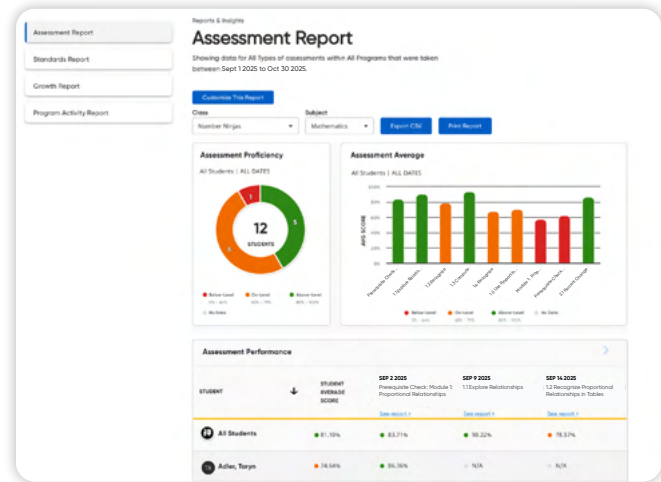


## Reports

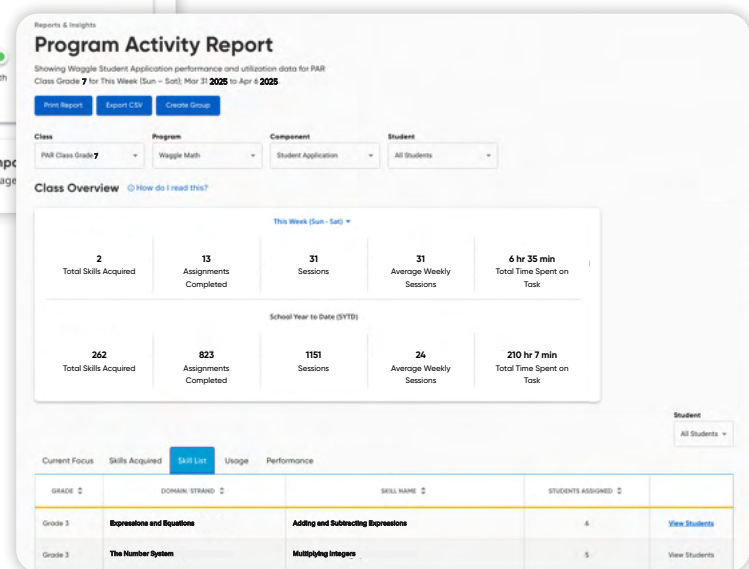
Reports include Assessment Report, Standards Report, Growth Report, Grouping, Program Activity Reports, and more.

Data is displayed in a variety of representations, and users can drill down for thorough insights into performance and progress by individual student or the overall class.

The *Into Math* assessment system provides ongoing monitoring to ensure that students have the skills to meet standards and advance to higher-level mathematical thinking.



Integration between *MAP® Growth™* and *Into Math* is available to partners who use HMH Roster Service for their *NWEA®* and *Into Math* subscriptions.



# A partner invested in educator success

HMH partners with educators to provide guided learning experiences that build confidence in their new *Into Math* program and support them as they work toward their professional goals.

## Included with your program subscription

### 1 Get started with *Into Math*

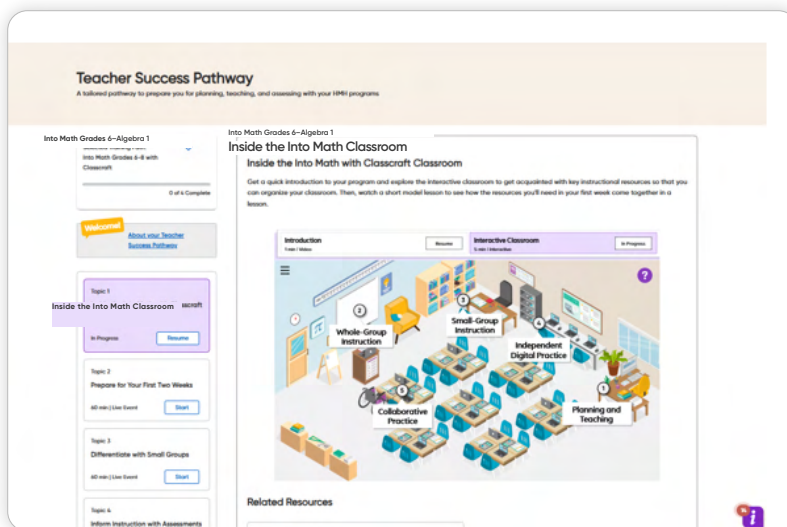
Build community and prepare for your first lesson during a Getting Started session with an HMH Coach.

### 2 Build teacher confidence

Teachers starting at any time of the year can get up and running quickly with resources in their Teacher Success Pathways that help them plan, teach, and assess learning using *Into Math*. Self-paced sessions include preparing for the first two weeks of instruction, analyzing data and reports, differentiating instruction, and more!

### 3 Experience yearlong professional growth

Teacher's Corner® and Leaders Corner® on the *HMH Ed* platform offer unlimited access to on-demand resources and live events, available anytime for all teachers and leaders.



Use Teacher Success Pathways' virtual classroom to learn more about your *Into Math* resources.



## Additional professional learning

Our experienced HMH instructional coaches help educators meet their professional goals. From supporting program implementation to providing personalized teaching strategies, our coaches are there every step of the way.

### **Partner with an HMH Coach for personalized support**

*HMH Coachly*® is a year-round subscription for teachers that provides unlimited support from a thoughtfully matched instructional coach online, in the same place as their *Into Math* curriculum.

### **Connect evidence-based practices with daily instruction**

Discover how to apply pedagogy to daily classroom instruction with the *Building Students' Capacity for Reasoning and Discourse with Into Math* course, led by an expert instructional coach.



### **Nationally recognized**

Did you know HMH Professional Learning has been nationally recognized for our ability to support implementation and provide ongoing teacher and leader professional development?

# Find support at every step—from planning to assessment

## Program Components

Start here



### Planning Support



Implementation Guide\*



Scope & Sequence\*

### Session Organizer\*



Editable Lesson Plans\*

\*Online-only resource

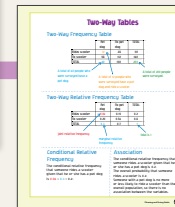
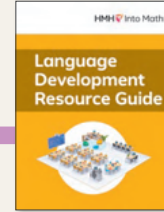
### Differentiation & Practice

Games



Data & insights collected throughout whole-class instruction

### Language Development Resource Guide\*



Content Anchor Charts\*

Ready for More\*

On Track\*



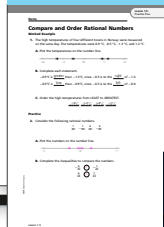
Small-Group Activities

Reteach\*

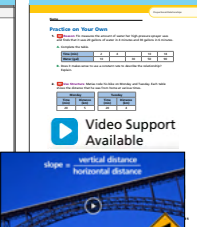
Practice Plus\*<sup>o</sup>

Challenge\*

Practice on Your Own



Practice



### PERSONALIZED ADAPTIVE PRACTICE & INSTRUCTION



HMH Waggle®

\*Online-only resource <sup>o</sup>Available optionally in print

## Whole-Class Instruction

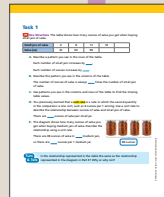


Classcraft\*



Print & Digital Teacher's Guides:  
4 Volumes

## Student Books: 2 Books

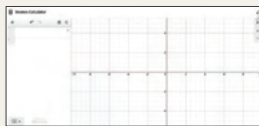


+ Turn & Talk routines  
Task-Based Learning

## Math Language Routines & Activities\*



Manipulatives



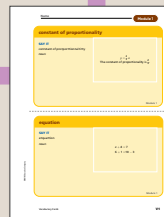
Desmos Calculator\*



World of Math

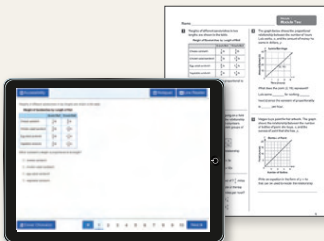


MP Anchor Chart



Vocabulary Cards

## Assessments Available



Formative & summative assessments



Actionable assessment reports\*

### Formative & summative assessment program, including:

- Module-level prerequisite checks
- Lesson-level quick checks
- Module review
- Module assessments
- Module projects
- Beginning-, mid-, & end-of-year assessments

### MAP Growth (optional)

HMH Ed Program Activity Report \*

\*Online-only resource

# What's inside your manipulative kits

## Grades 6–Algebra 1



Grades 6–8	Essential* QTY.	Premium** QTY.
Base Ten Cube, Plastic	1	1
Foam Base Ten Flats (Set of 10)	1	1
Foam Base Ten Rods (Set of 50)	1	1
Foam Base Ten Units (Set of 100)	1	1
Base Ten Mats (Paper Packs of 25)		2
Foam Algebra Tiles (Set of 32)	15	30
Paper Bills (Set of 100)	1	1
Centimeter Cubes (Pkg of 100)	5	5
Coin Set in a Bag (Set of 96)	1	1
Compasses, Bullseye®, Safe-T®	15	15
Counters, 6 Color (Set of 250)	1	1
Number Cubes (Set of 12)		3
Cubes, Place Value, Wood (Set of 12)		3
1 Equation Mat – Single Item		30
Geoboards, 5 X 5" (No Rubber Bands)		10
Plastic Mirrors, 4 X 6"	5	10

\*The Essential Kit, designed for collaborative, student-centered classrooms, contains smaller quantities of the most frequently used manipulatives that can be shared by pairs or groups of students.

\*\*The Premium Kit contains commonly used math manipulatives in quantities for the classroom for each grade level.

Foam Pattern Blocks (Bag of 250)	1	1
Rainbow Fraction Tiles (Set of 51)	10	20
Rubber Bands, Small Bag (Approx. 25)		10
Rulers, 6"/15 cm (Set of 10)		3
Protractors	15	30
Spinners, Blank (Set of 5)	2	2
Tangrams, Manipulate (Set of 4)		4
Tape Measures (Set of 10)	1	1
Foam Two-Color Counters (Pkg of 200)	1	1
Algebra 1	Essential* QTY.	Premium** QTY.
Foam Algebra Tiles (Set of 32)	30	
Foam Two-Color Counters (Pkg of 200)	1	
Cubes, Number, Plastic 3/4" (Set of 12)	3	
Ruler, 12"/30cm (Set of 10)	3	

Quantities are determined in a manner to keep cost as low as possible. Dependent upon the task, students will work in groups, pairs, or individually with the manipulatives. In some cases, there is a single item provided for teacher demonstration.

The approved quantities meet the CPSIA standards.



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