

# Program Overview

# Reveal MATH®

## Grades K–8





# Reveal



Learn more or request samples at **revealmath.com/K8** 

## **Reveal a World of Possibilities**

A balanced core curriculum, *Reveal Math*<sup>®</sup> for K–8 develops the problem solvers of tomorrow by incorporating both activity-based and teacher-guided instructional strategies within each lesson. The program's flexible structure reveals a world of possibilities—both for teachers as they determine which path to choose and for students as they discover math all around them throughout the journey.



Empowered Teachers Empower Students

Teachers possess unique insights into their students' learning styles and needs, but varied demands on their limited time may prevent them from adjusting lesson plans accordingly. Reveal *Math* empowers them to play to their classroom's strengths with two comprehensive instructional paths for each lesson. Robust supports and ready-made yet easily customizable resources ensure that both new and veteran educators can prep and teach their waybecause when teachers succeed, their students excel.



Math for All

Math is everywhere, and it should be for everyone, no matter their learning background or ability. Reveal *Math* supports instructors in engaging every student with a variety of high-impact teaching strategies, including thoughtfully designed instructional routines, comprehensive MLL support, real-world activities with multiple entry points, and scaffolded differentiation resources-because we all deserve the opportunity to apply mathematics to our everyday lives.



Building Student Confidence

Math anxiety poses all too real an obstacle to students' mathematical growth. Reveal Math fosters a supportive environment in which students feel safe taking learning risks and enjoy regular opportunities to try and try again. The program cultivates math confidence and growth mindset at every turn through instructional routines that build positive problem-solving habits and embedded "Math Is" strategies that equip every classroom for success, setting expectations and classroom norms to define math for students and teachers alike.

## The Reveal Math<sup>®</sup> Authorship

McGraw Hill learning scientists teamed up with expert authors to create a K-8 program guided by validated academic research and classroom best practices.



Sarah Bush, Ph.D. Expert in both theory and practice for middle school math instruction



Ralph Connelly, Ph.D. Authority on the development of early mathematical understanding



**Annie Fetter** Advocate for eliciting student ideas to foster strong problem solvers—contributing author of Sense-Making Routines, page 11



Susie Katt, Ph.D.

Advocate for the unique needs of our youngest mathematicians



#### Ruth Harbin Miles, Ed.S.

Leader in developing teachers' math content and strategy knowledge



#### Nicki Newton, Ed.D.

Expert in bringing studentfocused strategies and workshops into the classroomcontributing author of the Game Station, page 15



Linda Gojak, M.Ed. Expert in both theory and practice of strong mathematics instruction—contributing author of the Math Is... Unit, page 8



Georgina Rivera, M.Ed. Expert in building student

agency through culturally responsive teaching

### George Roy, Ph.D.





Christa Jackson, Ph.D. Advocate for strong STEM education and equity for middle school students





### John SanGiovanni, M.Ed.

Leader in understanding the mathematics needs of students and teachers contributing author of the Math Is... Unit and Number Routines, pages 8 and 9







### Cathy Seeley, Ed.D.

Thought leader and facilitator of high-quality mathematics education for all



### Jeff Shih, Ph.D.

Advocate for the importance of student knowledge

#### Cheryl Tobey, M.Ed.

Facilitator of strategies that drive informed instructional decisions—contributing author of Math Probes, page 25

### Dinah Zike, M.Ed.

Creator of learning tools that make connections through visual and handson techniques—contributing author of Foldables<sup>®</sup>



### Raj Shah, Ph.D.

Expert in both theory and practice of strong mathematics instruction—contributing author of the Ignite! activities, page 10

## **Program Design**

## Influenced by Teachers, Researchers, and Industry Experts

*Reveal Math*<sup>\*</sup> is a proven K–8 program crafted with the input of hundreds of educators across the country. Devised by McGraw Hill learning scientists in collaboration with the *Reveal Math* authorship team, the program applies educator insights to an instructional model based on validated, contemporary research on how students learn best. The latest ©2025 *Reveal Math* curriculum updates unify the K–5 and 6–8 experience, ensuring that students enjoy a cohesive math learning journey from Kindergarten up through Grade 8.

#### **Major Focus Areas:**

- Equitable Classrooms: Develop a classroom designed for all students with learner-focused practices. See pages 11, 14–17.
- Math Mindset: Empower academically and socially engaged classroom members. See page 9.
- Metacognition: Promote student reflection on their learning. See pages 6 and 21.
- Sense-Making: Support the development of sense-making and critical thinking skills to develop proficient problem solvers. See pages 9 and 11.
- Rich Mathematical Discourse: Facilitate use of the appropriate math vocabulary and constructive critique of classmates' math thinking. See pages 6 and 14.
- Productive Struggle: Engage students with mathematical ideas and relationships to build deep understanding. See pages 10 and 20.
- Fluency: Build automaticity through flexible practice strategies. See page 26.
- Instructional Routines: Encourage productive classroom interactions through structure and expectations. See pages 9, 11, and 14.
- STEM Applications: Practice and apply math skills in real-world STEM contexts. See pages 12–13.

## **A Blueprint for Student Mastery**

The intentional design of *Reveal Math*<sup>®</sup> is built around the Standards for Mathematical Practice to support the development of mathematical thinking skills. Tightly aligned learning trajectories within and across the grades allow students to experience the coherence of mathematics while deepening conceptual understanding and refining procedural fluency.

Instructional routines, engaging sense-making activities, real-world examples, authentic tasks, and STEM applications are incorporated throughout to spark inquiry and help all students achieve growth in skills and knowledge.

#### **Planning for Instruction**

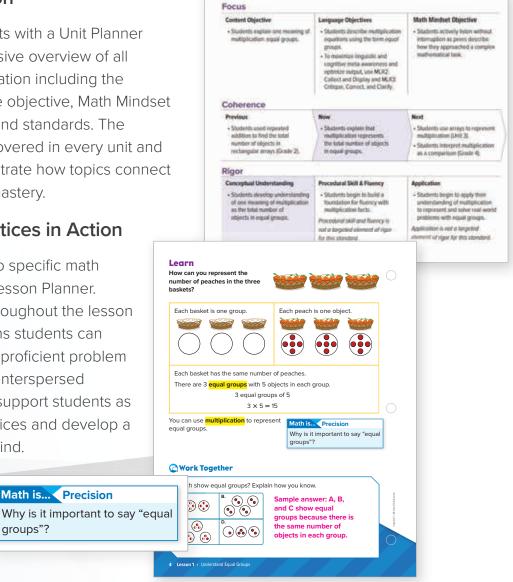
Every Reveal Math unit starts with a Unit Planner that provides a comprehensive overview of all activities and lesson information including the content objective, language objective, Math Mindset objective, key vocabulary, and standards. The progression of standards covered in every unit and lesson is explicit to demonstrate how topics connect and contribute to student mastery.

#### Putting the Math Practices in Action

Each lesson is connected to specific math practices identified in the Lesson Planner. Math Is... prompts found throughout the lesson model the kinds of questions students can ask themselves to become proficient problem solvers and doers of math. Interspersed teacher guidance helps to support students as they employ the math practices and develop a problem-solving frame of mind.

Math is... Precision

groups"?



## **Student-Centered Learning**

The National Council of Teachers of Mathematics' eight Effective Teaching Practices guide instruction and discourse throughout each Reveal Math<sup>®</sup> lesson, keeping the student at the center of the learning.

#### Effective Teaching Practices

#### **Elicit and Use Evidence of Student Thinking**

As students progress through the unit, ask them to explain their reasoning. Understanding the reasoning for their answers-whether they are correct or incorrect-allows for targeted instruction to reinforce and expand or enhance their understanding or address misconceptions and misunderstandings in a timely way.

As students learn about proportionality, there are multiple possibilities for errors in execution. Students may have misconceptions about

- the difference between proportional and nonproportional relationships;
- linear graphs that do not pass through the origin;
- common factors that define equivalent ratios and proportions.

Launch - Summarize & Apply Assess Practice

11

tering/Emerging Sup

Ask frequent questions, especially those that require reasoning. Use students' responses to inform instruction and determine what kinds of practice and review might be necessary.

For example, if students struggle to determine equivalent ratios or to identify the constant of proportionality, spend some time revisiting multiplication and division of fractions.

In Lessons 3-3, 3-4, and 3-5, students are introduced to proportional relationships. Monitor closely students' responses and thinking in these lessons to ensure they are understanding proportional relationships accurately.

#### Develop - Session 2 ( 20 min

#### Activity-Based Exploration

#### Activity Debrief

- Critique, Correct, and Clarify: Critique a Partial or Flawed Res Display a graph of y = 2x + 5 on the board.

- $_{\gamma \to \gamma} = _{\gamma \to \gamma \to \gamma} + _{\gamma \to \gamma} = 0$  the board. This line represents a proportional relationship because h is a staight line. Promp Prompt Laberts to analyze the statement in light of their own understanding, identify the flaw in the statement, and propose an improved response. Share: Subardis Share with a classmate ther revised statement and pusitication. Each stadent share his or her responses while the other asis questions to clark the justification. dents revise and refine their revised statement based on feedback from their

#### Facilitate Mathematical Discourse

- Facilitate Mathematical Discourse are a whole-class discussion of the activities and Concluding Questions, reinforcing these mire: proportional, nonproportional, and constraint of proportionality. Ask we can you identify the constant of proportionally from a graph?? ov can a graph tell you whether a relationship is proportional or not? that due van order abut the ratio of you and the relation ship? that due so the point (0, 0) tell you about quantities that are in a proportional relationship?

- Elicit Evidence of Student Understanding
  As students discuss their thinking, listen for understanding ot:
   For every paint (r, y) on the graph of a proportional relationship, the ran
   Two quantities are in a proportional relationship if the graph of the ord
   straight line through the origin. hip the ratio of  $\frac{y}{2}$  is co
- a long in the unlog of the origin. On the graph of a proportional relationship, the constant of proportionality is both the constant ratio  $\frac{1}{2}$  and the value of *n* in the point (1, *r*). The meaning of (0, 0) in the graph of a proportional relationship: When there is zero of quantity, there will zero of the other quantity.

#### Math is... Recognizing Repetition

- Troot can you be represented to describe the product about all lines that represent proportional "and invite students to describe what they notice about all lines that represent proportional relationships. Make sure that they understand if a line passes through the origin, it represents proportional relationship. Sudents may also point out that each point on the graph changes by the same amount every time archanges by 1.
- ents review their responses to the Conclu he discussions with their partner and the
- w is the

#### **EXA** Facilitate Mathematical Discourse

Facilitate a whole-class discussion of the activities and Concluding Questions, reinforcing these key terms: proportional, nonproportional, and constant of proportionality. Ask:

- . How can you identify the constant of proportionality from a graph?
- How can a graph tell you whether a relationship is proportional or not?
- What did you notice about the ratio of y to x?
- What does the point (0, 0) tell you about quantities that are in a proportional relationship?

#### Elicit Evidence of Student Understanding

As students discuss their thinking, listen for understanding of:

- For every point (x, y) on the graph of a proportional relationship, the ratio of y/x is constant.
- · Two quantities are in a proportional relationship if the graph of the ordered pairs is a straight line through the origin.
- · On the graph of a proportional relationship, the constant of proportionality is both the constant ratio  $\frac{1}{2}$  and the value of r in the point (1, r).
- . The meaning of (0, 0) in the graph of a proportional relationship: When there is zero of one quantity, there will zero of the other quantity.

Teacher guidance for employing Effective Teaching Practices is found throughout each unit and lesson in the Teacher Edition.

## **Ready-Made Curricular Resources**

For teachers whose planning periods are never long enough, *Reveal Math*<sup>®</sup> saves precious time with ready-made curricular resources matched to standards and a clear daily routine and lesson model that also allows for choice and flexibility. Our goal is to support teachers in creating a positive and productive math classroom supported with high-quality content and easy-to-implement strategies for every day of teaching.

Ready-made curricular resources thoughtfully designed to lighten teachers' loads include:

- Engaging, interactive, prebuilt lesson presentations with embedded technology.
- Editable PowerPoint presentations that can be accessed and taught offline.
- Daily interactive practice in print or digital with embedded learning aids and dynamic (algorithmic) problems.
- Digital practice and assessment item banks to build custom assignments, including interactive item types.



- Math Replay videos to review lesson content—perfect for homework support.
- A robust selection of engaging differentiation resources—print, digital, and hands-on workstation activities supporting independent or small-group work.
- Auto-recommended intervention to address prerequisite skill gaps at the beginning of each unit.
- Fluency activities and number routines to support teachers in building students' procedural fluency.
- Assessment tools and reporting to monitor progress and inform instructional decisions.
- An expansive library of professional learning workshops and videos, including expert insight videos.

## Establish a Community of Learners Math Is... Unit

The first unit in every grade is the **Math Is... Unit**, which aims to help students and teachers begin to understand math as a set of problem-solving strategies instead of an end result. The unit helps establish a productive and positive classroom environment where all students can:

- Define math in relation to their own experiences.
- Share ideas and collaborate freely.
- Find success in math and become doers of mathematics.
- Apply mathematical thinking and practices to problem solving.
- Take ownership of their personal learning journey.
- Become the creative problem solvers of tomorrow.

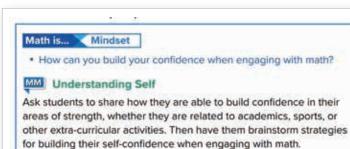
Summarize: Math is Mine We are all doers of math and use math in our daily lives in ways that we may not realize. We all may do math differently. Sharing our math strengths with others helps use grow. Learning about the math strengths of other can help us grow, too. Apply: A Sense of Belonging We all have a need to feel like we belong to a community. Think about the different communities that you belong to.	Summarize: Math is Ours We are a community of math thinkers and doers. Sharing our math strengths with others helps us grow, Learning about the math strengths of others can help us grow, i.o. When we do math as a community. • we often work together. • we often work together. • we show respect and consideration for our classmates and our community. • we show respect for ourselves and our math ideas. Mapply: Community Agreements that all members of the community must agree to in order to be a part of the community.	Math is Done with Others How do we do math, as a community?           • When we do math, we often work together.
Question What makes you feel like you belong to these different communities?	Question What ideas do you recommend that the whole class agrees to so that math class is a community of learners?	When we work together, we collaborate and support each other.
Complete the table below. Community that I belong to I that community I belong to I that community I belong to I b		We listen attentively to classmates.     We listen attentively to classmates.     We share our hinking.     We are respectful of others' ideas.     We critique the ideas of others, not our classmates.     We take turns when sharing ideas.     We have do math, we sometimes work on our own.
		We stay focused on our work.     We seek help when we are stuck.     We seek help when we are stuck.     How can you work     We respect our classmate's boundaries and work habts.     We avoid interrupting our classmates unnecessarily.
	2 Mol 1 month	Let's Explore More a. What skills and knowledge do you bring to a group that helps it be successful?
9) Unit 1 Mark		Lesson 16 - Math is Ours 29

Student Edition Math Is... activities build confidence, promoting student agency and collaboration.

## Math Is... Mindset

Math Is... Mindset prompts throughout each unit and lesson provide strategies for encouraging a growth mindset and productive approaches to problem solving as students interact with and discuss math content.

## Developing Positive Math Habits



Intentional instructional routines are embedded within every *Reveal Math*<sup>®</sup> lesson to support a productive classroom where everyone has the time and mental space to build constructive math habits.

#### **Build Fluency**

Number Routines support the development of fluency with targeted concepts, prerequisite skills, and mental math strategies at the start of every lesson. Sense-Making Routines build conceptual understanding by making sense of mathematical concepts at the beginning of every lesson. MLR

Math Language Routines adjust the way students organize and communicate their own ideas and clarify the ideas of others throughout the lesson.

#### **Five Breaks**

Five Breaks provides opportunity for students to hone their skills with number decomposition and flexible thinking about numbers. A number is given, and students identify five different ways to break it apart. Then small groups of students compare their decompositions and share with the other groups.

Number Routines support the development of flexibility with numbers and fluency with operations.

## **Spark Student Curiosity**

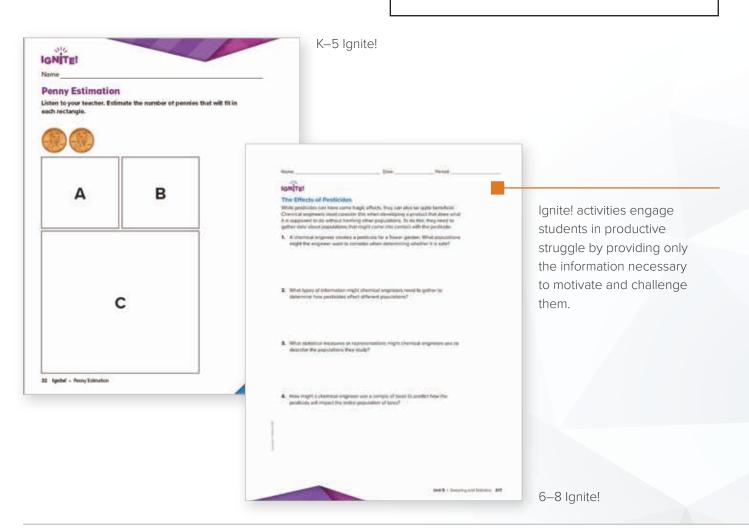
### Ignite! Activities

Each *Reveal Math*<sup>®</sup> unit features a topic that students explore through the Unit Opener and the Ignite! activity, an interesting problem or puzzle that:

- Sparks students' interest and curiosity.
- Poses questions that motivate students to persevere through the challenges of problem solving.
- Provides only enough information to open up students' thinking.
- Supports productive struggle and facilitates discourse.

"Let's bring curiosity, wonder, and joy back into the classroom and make math irresistible for kids."

– Raj Shah, Ph.D., Contributing Author



## Use Questions to Promote Student Ideas

Each *Reveal Math*<sup>®</sup> lesson launches with Be Curious, a low-floor, high-ceiling sense-making activity with multiple entry points that helps create an equitable classroom culture where all ideas are welcome, respected, and celebrated. Student curiosity and ideas sparked by Be Curious serve as the foundation for that day's lesson.



## Show Students the World Through STEM

Math is everywhere, and students should relate to math as something everyone does. STEM-focused units in *Reveal Math*<sup>®</sup> across Grades K–8 help students observe and understand the math taking place all around them.

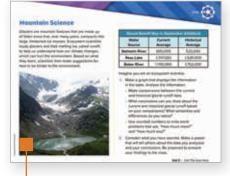
Every unit and lesson provides multiple opportunities for students to engage in real-world, authentic tasks daily and elicits their wondering through opportunities to apply their own experiences to what they are learning.



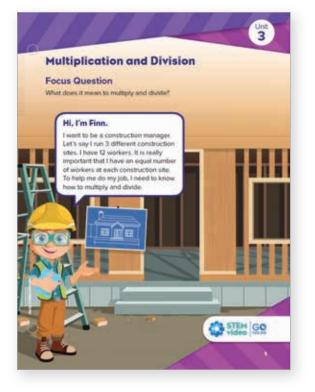
Each **K–5 STEM Career Kid** video introduces a STEM career and provides an overview of the job responsibilities.



The **K–5 Math in Action** videos apply the unit math content with a STEM-career focus to bring the content to the real world.



**K–5 STEM Project Cards** allow students to dig deeper creatively and apply their skills to learn more about the STEM focus within each unit.

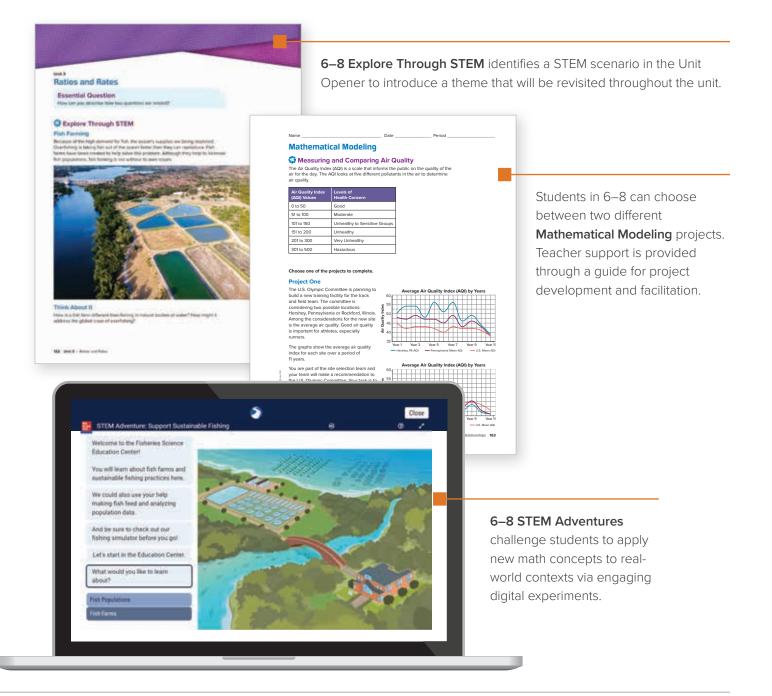




During **K–5 STEM Adventures**, students engage in experiments with the STEM Career Kids, make hypotheses, and apply mathematical knowledge to analyze the data. **K–5 Units** highlight careers and real-world applied math to help students see math as a tool to explore the world around them.

**6–8 Units** engage students in rich, contextual problem-solving tasks to explore real-world concepts through recognizable STEM scenarios.

**Mathematical Modeling** tasks at the end of each unit tie back to the STEM scenario and incorporate the Standards for Mathematical Practice. Students model with mathematics while utilizing data and appropriate tools to solve real-world problems and construct viable arguments to present to their peers.



## Make Math Accessible

Equitable teaching and learning practices are embedded throughout *Reveal Math*<sup>®</sup> to meet varied learning needs and enable teaching in multi-dimensional ways. Opportunities for multiple forms of engagement, representation, and expression allow all students to share ideas and input and become powerful users of mathematics.

## Comprehensive Language Development Support

Multifaceted support helps teachers impart the language skills all students need to meet mathematical learning and language objectives and develop deeper conceptual understanding.



#### Math Language Development

Mini-lessons in every unit offer designated language support for English learners and can be taught at any time during the unit.

#### Language Objectives

In addition to a content objective, each lesson has a language objective that identifies a linguistic focus of the lesson for all learners. The language objective also identifies the math language routines of the lesson.

### MLL

#### Multilingual Learner Scaffolds

Based on WIDA levels (Emerging, Expanding, and Bridging), these scaffolds provide instructional support in English language development as well as differentiated support in math.

### LOM

#### Language of Math

The Language of Math promotes the development of key vocabulary terms that support how we talk about and think about math in the context of the lesson content.

### MLR

#### Math Language Routines

Designed by Stanford Center for Assessment, Learning, and Equity, Math Language Routines appear in every lesson to support all students' language development and mathematical sense-making:

MLR1: Stronger and Clearer Each Time

MLR2: Collect and Display

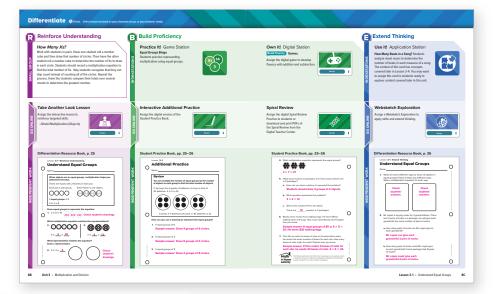
MLR3: Critique, Correct, and Clarify

MLR4: Information Gap

MLR5: Co-Craft Questions and Problems MLR6: Three Reads MLR7: Compare and Connect

## Built-in Differentiation

Create purposeful learning moments driven by data. Daily differentiation within *Reveal Math*<sup>®</sup> provides a variety of engaging, multi-modal activities in different delivery options, empowering teachers to quickly and efficiently support every student in the area they need to focus on most for that lesson.



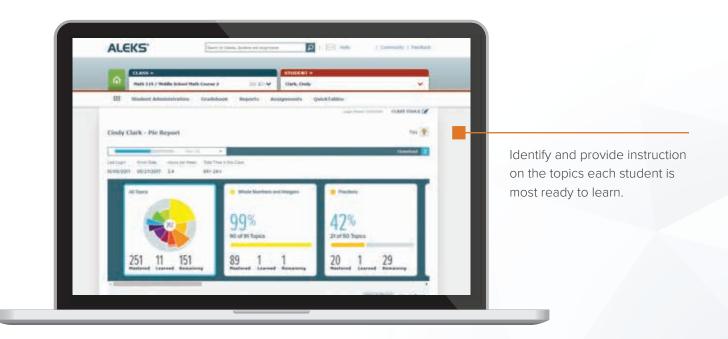
K–5 Differentiation Activities **Reinforce Understanding** R GO ONLINE INDEPENDENT WOR Take Another Look Lessons 6-8 Differentiation Activities ce turgetest skills in the interactive less matical Guestio + Create Line Plats and Dat Plats + Describe a Data Distribution Build Proficiency **tractive Additional Practice** ign students either the print or digital assignment clice lesson concepts. The digital assignment in with the **Extend Thinking** B ONLINE 12 H and and a state **Spiral Review** -1 he print or sligital ve Brese concepts and skills. **STEM Adventures**  Recognizing Place Values and the Relation to Each Other In this STEM Advention, 1 analyze data ebout delly household weller consumption. The they use statistics to investigate how weter consumption is affected by westerful or conserving terhevees and compare 0 1 /1 Har Questions. 115

### ALEKS® Adaptive and Personalized Instruction

Designed to accompany *Reveal Math*<sup>®</sup>, ALEKS is an online math solution for Grades 3–12 that uses adaptive technology to identify and provide instruction on the topics each student is most ready to learn. Through a continuous cycle of assessment, learning, and reinforcement, ALEKS develops a personalized learning path for each student to ensure measurable success.

The artificially intelligent assessment and learning system is rooted in an adaptive approach that has proven to generate math confidence and measurable success for over 20 years. ALEKS accommodates the unique needs of all students and supports math instruction with features including:

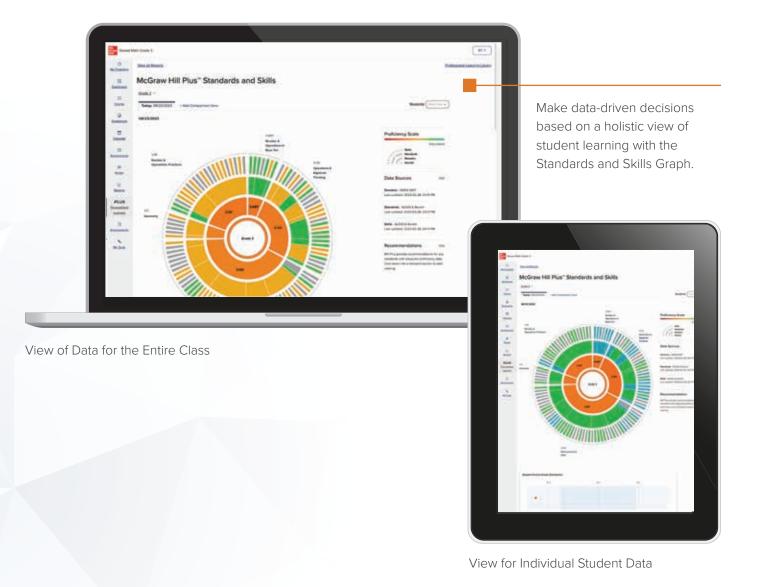
- Periodic reassessment throughout the course to ensure that topics learned are also retained.
- Customizable course content to match teacher instruction.
- Lessons that support curriculum and grade-level objectives.



## McGraw Hill Plus<sup>™</sup>: Charting Unique Paths to Growth

The McGraw Hill Plus<sup>™</sup> data and assessment tool for PreK–12 simplifies teachers' daily workflow by connecting data from students' online learning interactions in *Reveal Math*<sup>®</sup> and ALEKS with interim assessment data to create a holistic picture of student learning in math through the **Standards and Skills Graph.** 

Real-time insights aligned to standards and skills help teachers make data-driven decisions and support students' unique paths to math growth—and the data stays with each student from year to year. McGraw Hill Plus also surfaces skill-based **Personalized Learning Recommendations** at the time of need within the current *Reveal Math* lesson for individual students and provides turnkey **Small Group Teacher-Guided Lessons** for dynamic, proficiency-based student groups needing remediation, on-level, learning, and extension on every standard.

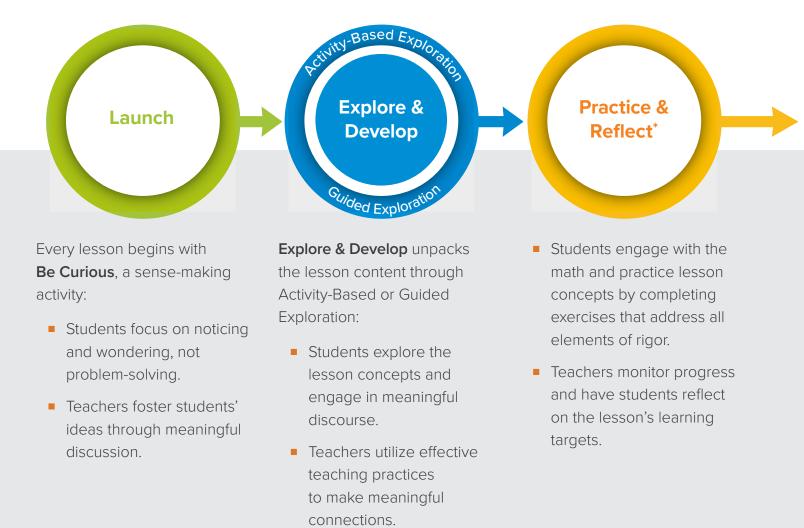


## **Flexible Paths for Instruction**

### Teach According to Your Students' Needs

#### The Lesson Model

The *Reveal Math*<sup>®</sup> lesson model keeps sense-making and exploration at the heart of learning. Teachers have their choice of two instructional strategies—activity-based or guided exploration to facilitate student learning, develop the math content, and tailor lesson material to the needs and structure of their classroom. Both lesson options are present in the K–5 and 6–8 curriculum, ensuring a smooth transition from elementary to middle school.



\*Both Reveal Math K–5 and 6–8 follow the five-step lesson model. The K–5 model is shown above with students engaging in Practice & Reflect as part of classroom instruction prior to Assess. The 6–8 model reverses these steps with Practice & Reflect taking place after Assess as independent student work. Grades 6–8 also divide the Explore & Develop into two sessions, whereas Grades K–5 have one session.



#### Assess

### Differentiate

- The Exit Ticket includes

   a daily formative
   assessment to check
   for understanding and
   inform instruction. Grades
   6–8 include a second
   opportunity for formative
   assessment with a

   Lesson Quiz.
- Teachers use data to inform their daily differentiation.

Daily differentiation helps support every student in their path to understanding.

- Students work on differentiated tasks to reinforce their understanding, build their proficiency, and/or extend their thinking.
- Teachers pull small groups as needed.

#### **Types of Differentiation**

- Reinforce Understanding Resources designed to revisit lesson concepts
- Build Proficiency Resources to build proficiency with lesson skills
- E Extend Thinking Resources to enrich lesson concepts

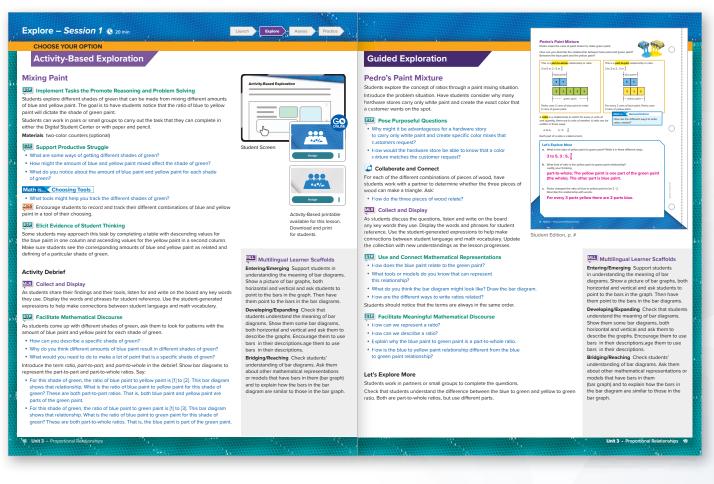
## Two Ways to Teach Every Lesson

#### **Activity-Based Exploration**

Students work together to explore concepts, develop and test hypotheses, and—most importantly engage in productive struggle as they problem-solve and generalize learning. Options for hands-on or digital activities are provided.

#### **Guided Exploration**

Teachers facilitate exploration through thoughtful discourse and collaboration using an interactive, digital presentation.



Embedded within both instructional options are:



Effective Teaching Practices



Math Language Routines



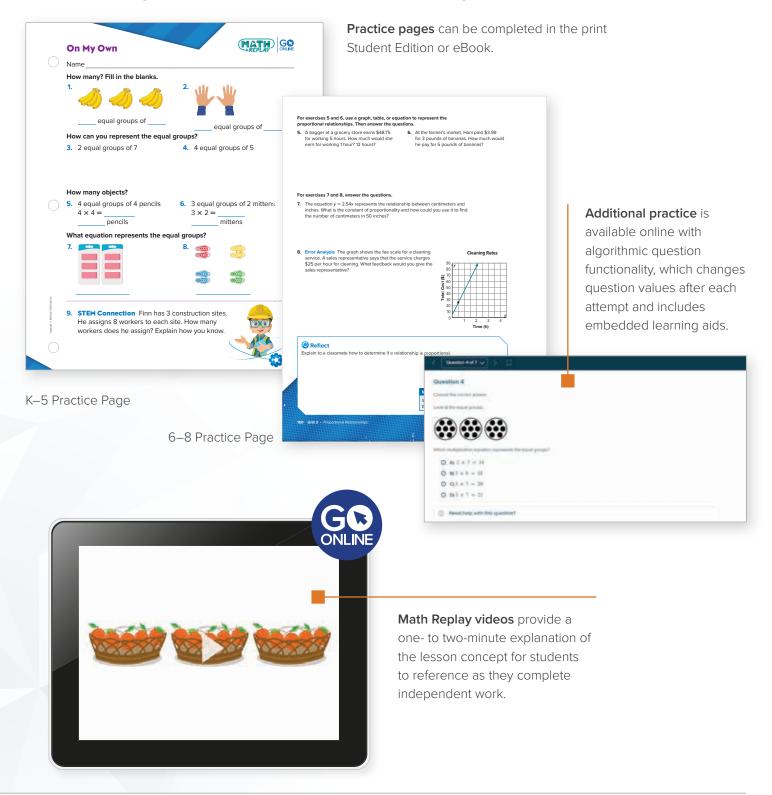
Math Practices and Processes

MLL M

Multilingual Learner Scaffolds

## **Practice & Reflect**

Practice & Reflect provides students with the ability to engage in concepts independently to further understanding with questions that address all elements of rigor.



## Assessments to Monitor Student Understanding Throughout the Year

*Reveal Math*<sup>®</sup> offers a comprehensive set of assessment types that include diagnostic, formative, and summative tools.

Туре	Assessment	When	Description
Diagnostic	Course Diagnostic	Beginning of Course	Diagnoses students' strengths and weaknesses with prerequisite concepts and skills for the upcoming year
	Unit Readiness Diagnostic	Start of the Unit	Evaluates students' knowledge of prerequisite concepts and skills for the upcoming unit
K–5 Formative	Work Together	During a Lesson	Assesses students' understanding of the concepts and skills presented in the Learn phase
	Exit Ticket	End of Each Lesson	Assesses students' conceptual understanding and procedural fluency with lesson concepts and skills
	Math Probe	During a Unit	Identifies common misconceptions
6–8 Formative	Exit Ticket	During a Lesson	Assesses students' understanding of the concepts and skills following the Explore phase
	Lesson Quiz	After a Lesson	Assesses students' conceptual understanding with lesson concepts and skills
	Math Probe	During a Unit	Identifies common misconceptions
Summative	Unit Assessment: Forms A and B	End of Unit	Evaluates students' understanding of concepts and skills learned in the unit
	Unit Performance Task	End of Unit	Measures students' ability to apply concepts and skills learned in the unit
	Benchmark Assessments	After Multiple Units	Assesses students' understanding of concepts and skills covering multiple units throughout the year
	Summative Assessment	End of Year	Evaluates students' mastery of course concepts and skills during the academic year

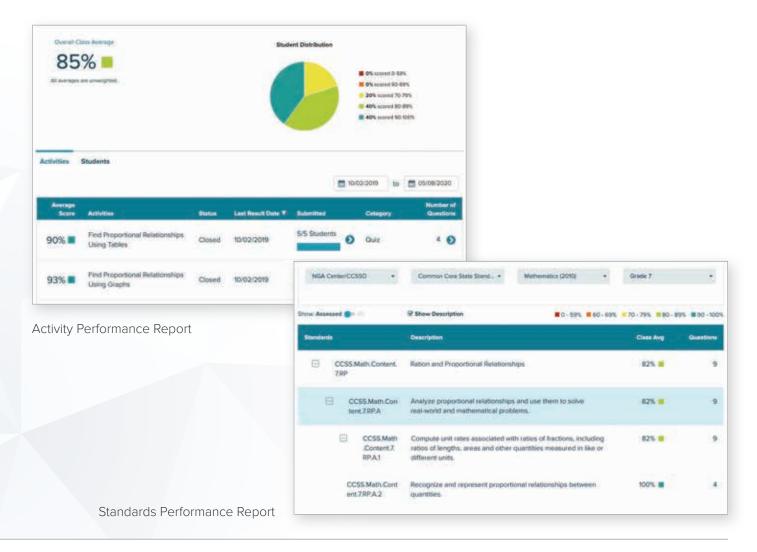
#### **Print and Digital Formats**

All assessments are available for either print or digital administration. Print assessments can be found in the **Assessment Resource Book** or as downloadable PDFs in the Digital Teacher Center. All digital assessment items, except for open response questions, are autoscored. Teachers can customize existing or create new assessments using additional item banks and item authoring tools.

#### **Actionable Reports**

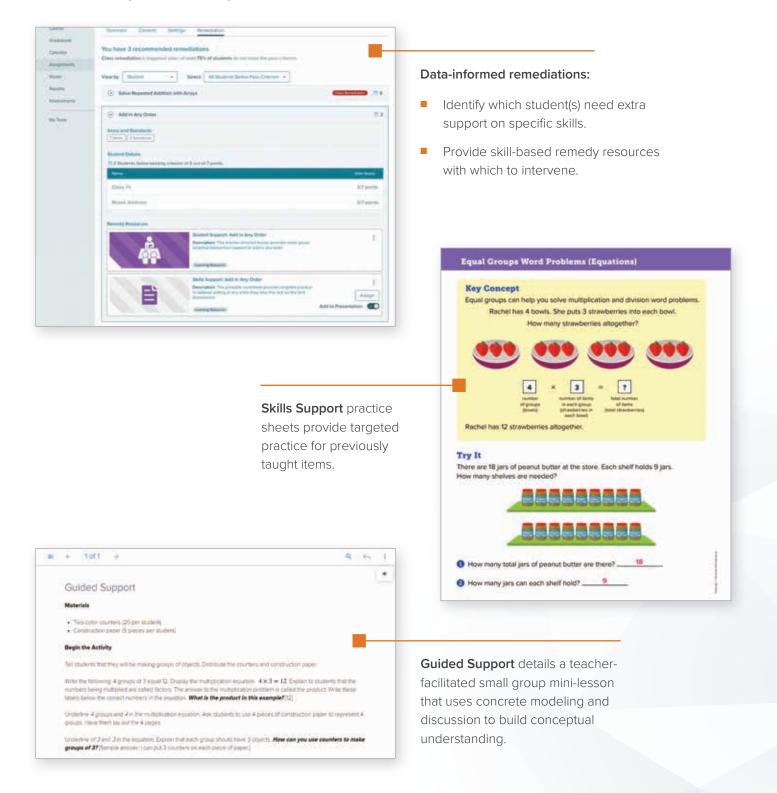
Performance reports found in the Digital Teacher Center provide immediate feedback to teachers, allowing them to make data-driven instructional decisions.

- Activity Performance Report: Teachers can review useful data points for class activities, including item analysis by student and class, as well as overall performance.
- Standards Performance Report: Teachers can access information on class performance by standard, including a cumulative score by class and student, as well as the number of questions answered.



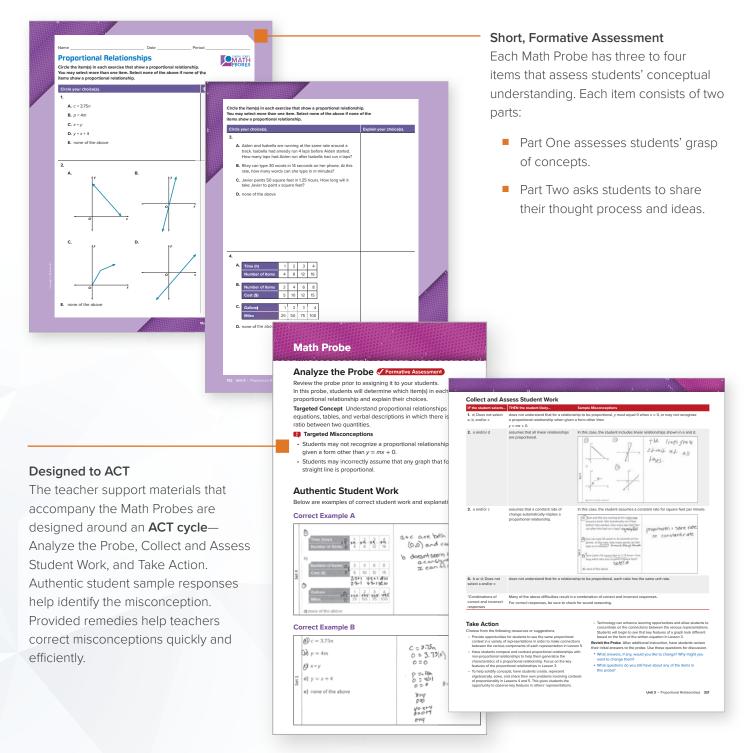
### Auto-Recommended Intervention

The Readiness Diagnostic accesses and aligns with prerequisite skills that are critical to understanding the upcoming unit's content.



### Recognize Misconceptions in the Moment

Math Probes written by Cheryl Tobey, M.Ed., a leading expert in formative assessment, are designed to uncover students' mathematical misconceptions within every unit. These probes, placed at point-of-use, allow teachers to make sound instructional choices while teaching students that mistakes are an opportunity for growth.



## **Fluency Supports**

Fluency is not just about memorization; it's about having a working understanding and mastery of operations, relationships, and concepts. Reveal Math® provides teachers with tools to speak to all the elements of fluency throughout each unit.

1		
luend Init	cy Progression	
inic	Division with Multi-Digit Decimals	Standards 6.NS.B.2
ł	Fraction Multiplication and Division (no negative rational numbers)	6.NS.A1
3	Apply Operations with Multi-Digit Decimals	6.NS.B.3
1	Finding Unit Rates Including Terms with Fractions	7.RP.A.1
5	Percent Increase and Percent Decrease	7.RP.A.3
5	Equations in Proportional Relationships	7.RP.A.2.C
2	Adding and Subtracting Positive and Negative Rational Numbers	7.NS.A.1
ł	Multiplying and Dividing Positive and Negative Rational Numbers	7.NS.A.2
)	Two-Step Equations ( $px + q = r$ )	7.EE.B.4.A
0	Solving $p(x + q) = r$	7EE.B.4.A

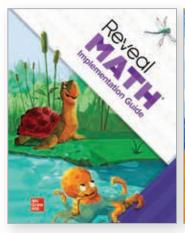
The Fluency Objective and Progression at the close of each unit helps teachers evaluate student progress.

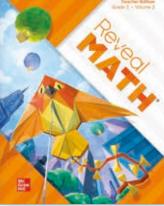


Spiral Review and Digital Games provide ample practice of previously learned content to develop r.

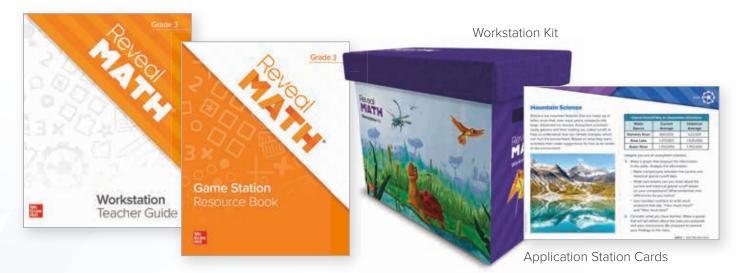
Fluency Practice			proficiency and flu	uency throughout the year.
Add or subtract decimals.	Multiply decimals.	Divide decimals.		
Align the decimal points. Annex zeros, if needed. Add or subtract as with whole numbers. 1 610 4.560 26.79 + 13.246 - 3.45 17.806 23.25 Fluency Check Add, subtract, multiply, or dif 1. 51+8.2 =2 2. 7.68 - 1.49 =2	Multiply. To place the decimal point, find the sum of decimal places in each factor. The product has the same number of decimal places.           x 0.56           204           +1700           1.904	Multiply both the divisor and divident by a power of 10 so that the divisor is a whole number. Divide, Race the decimal in the quotient directly a the decimal in the dividend 12/4 cg8 -28 -48 -48 0		9. (6. 1
<ol> <li>2.3 × 1.4 =</li></ol>	<b>8.</b> 3.6 ÷ 0.09 =		263 + 366 560 3 + 6 + 6 263 + 36 + 569	
		<b>uary Pilatia</b> - Pilarenia Belalendaa - 1	procedural fluency. Studen complete the Fluency Che	students with opportunities to bui nts will review the Fluency Strategy ck, then explain the mathematical k.

## K–5 Program Components: Teacher





Teacher Edition, Two Volumes



Differentiation

and the second s

### Teacher Digital Experience

Teachers have access to an intuitive and easy-to-use platform for planning, teaching, and assessing student progress that includes:

- Interactive, prebuilt lesson presentations with embedded technology.
- Editable lesson presentations in PowerPoint.
- Engaging, rich differentiation resources.
- Digital practice and assessment item banks to build custom assignments.

- Teacher and administrator data and reporting.
- Professional development workshops and videos.
- Easily downloadable unit and lesson files.
- Classroom management and grouping tools.

Assessment

造-

## K–5 Program Components: Student



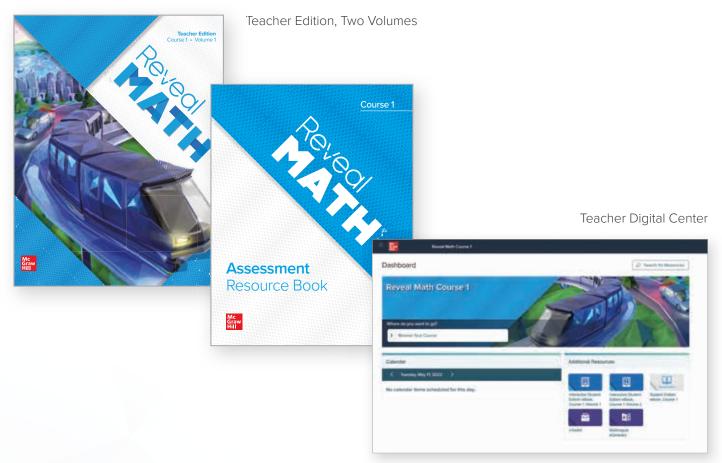
### Student Digital Experience

Students have access to a robust set of engaging digital tools and interactive learning aids, including:

- Interface designed for elementary students.
- An interactive Student Edition.
- Daily interactive practice with embedded learning aids.
- Online assessments with interactive item types.
- Digital games designed for purposeful practice.

- Instructional mini-lessons to reinforce understanding.
- Rich exploratory STEM Adventures.
- Visual and dynamic Web Sketchpad<sup>®</sup> activities.
- Animations, videos, and eTools.

## 6–8 Program Components: Teacher



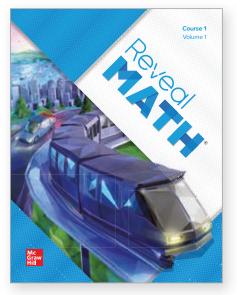
### Teacher Digital Experience

Teachers have access to an intuitive and easy-to-use platform for planning, teaching, and assessing student progress that includes:

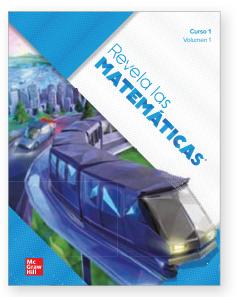
- Interactive, prebuilt lesson presentations with embedded technology.
- Editable lesson presentations in PowerPoint.
- Professional development workshops and videos.
- Digital practice and assessment item banks to build custom assignments.
- Robust differentiation resources.
- Dynamic unit practice.

- Digital exploration activities powered by Web Sketchpad<sup>®</sup>.
- Anytime access to the eToolkit.
- Practice and assessment PDFs.
- Teacher and administrator data and reporting.
- Classroom management and grouping tools.
- A digital Implementation Guide.

## 6–8 Program Components: Student



Student Edition, Two Volumes



Spanish Student Edition, Two Volumes

### Student Digital Experience

Students have access to a robust set of engaging digital tools and interactive learning aids, including:

- An interactive Student Edition.
- Daily interactive practice with embedded learning aids and dynamic (algorithmic) items.
- Dynamic, exploratory activities powered by Web Sketchpad<sup>®</sup>.
- Anytime access to a robust eToolkit (Virtual Manipulative Suite).

- Rich, exploratory STEM Adventures.
- Online assessments with interactive item types.
- Math Replay videos to review lesson content.
- Digital games designed for purposeful practice.

## Notes

## **Notes**


## Notes

# Reveal

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