SAVVAS

Program Overview
Grades 6-8

enVision® Mathematics

Kids See the Math. Teachers See Results.

BUILT FOR SUCCESS

enVision® Mathematics

You're going to love what you see. The new *enVision® Mathematics* ©2021 for grades 6-8 helps develop deep conceptual understanding, personalize learning, and use student data to inform instruction.

1

Understanding

Problem-Based Learning and Visual Learning deepen conceptual understanding of mathematics.

2

Personalize Learning

Formative and summative assessments drive differentiated instruction.

3

Instructional Support

Meaningful, accessible teaching support provides flexibility for planning and instruction.

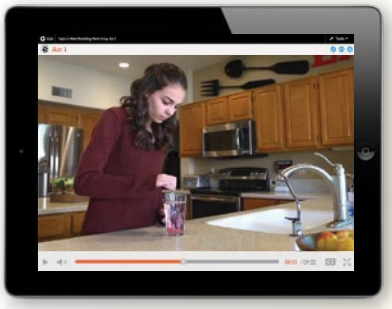
See What They Can Do

3-Act Math, Pick a Project, and *enVision* STEM Project introduce each Topic with engaging, motivationally rich tasks that make math inviting and interesting for all students.

3-Act Math

Build students' confidence to think mathematically and solve problems on their own.

ACT 1: THE HOOK

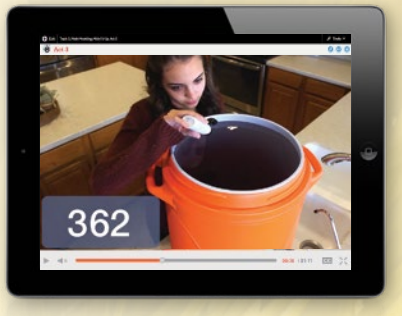


A video or photo hooks students with the task and provokes questions.

ACT 2: THE MODEL

Students develop mathematical models to arrive at a solution that makes sense to them.

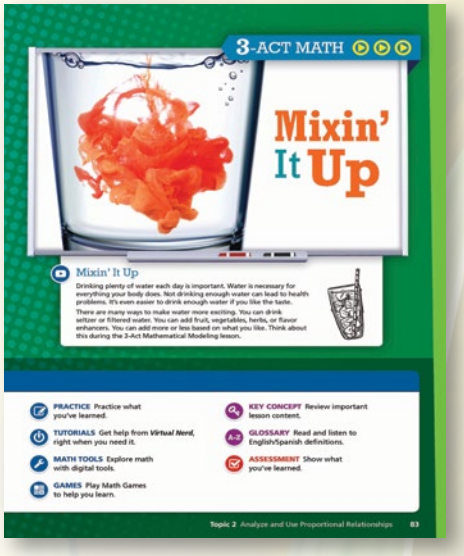
ACT 3: THE RESOLUTION

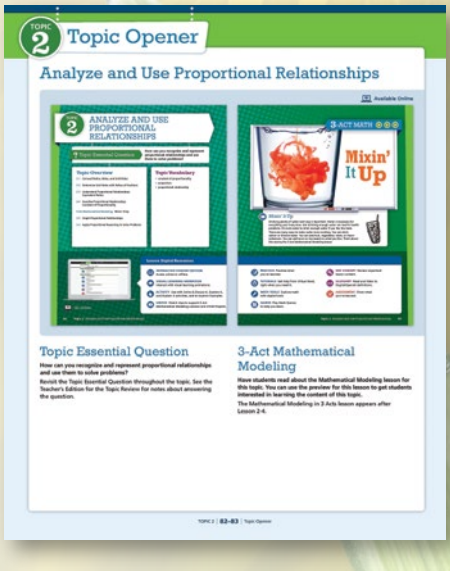


Visuals help students explain differences between their own conjectures and a possible solution.

Focus on Mathematical Modeling

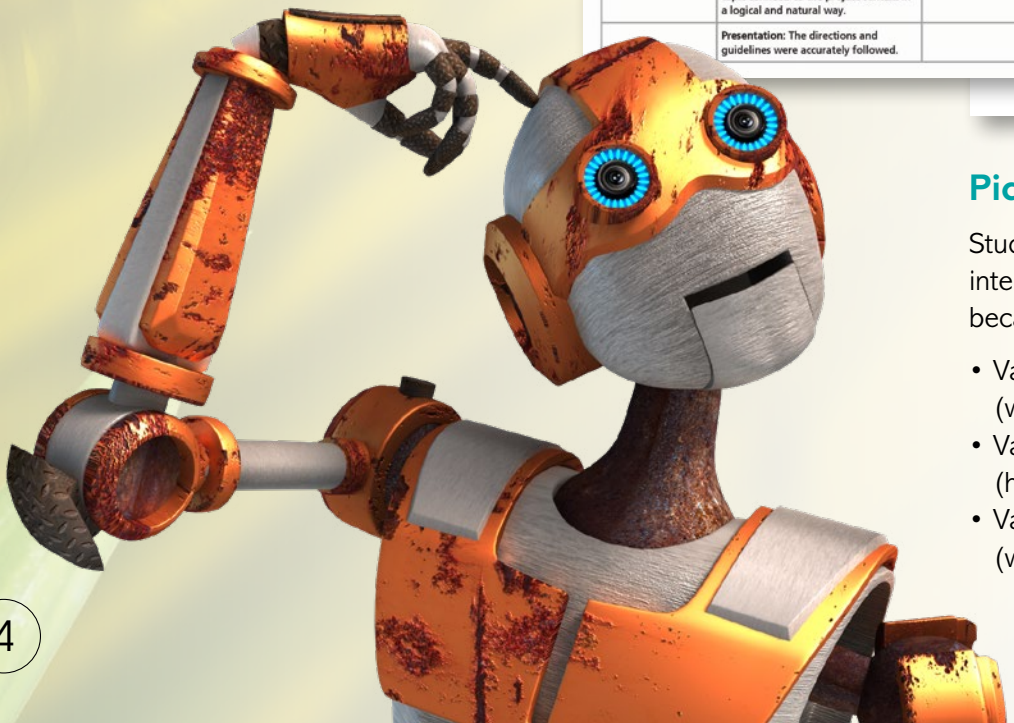
- Students make genuine choices and determine information needed to solve a problem.
- Lessons provide a vehicle for building conceptual understanding through productive struggle.





High-interest math projects invite all students to be active participants.

Student Choice, Differentiation, Open-Ended Rich Tasks

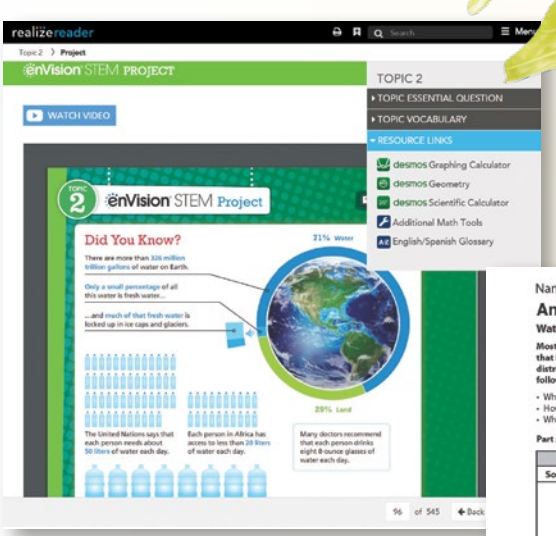


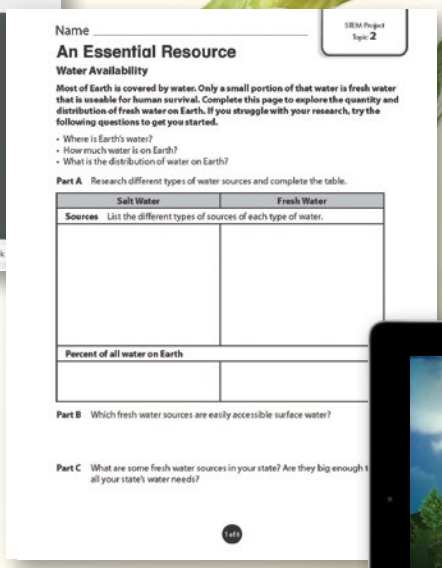
Pick a Project

Students explore and complete interesting projects—it's motivating because THEY choose!

- Varied contexts (what interests students)
- Varied modalities (how students like to work)
- Varied final products (what students like to create)

Learn More!
Teacher's Edition
Program Overview
6, 7, 8: pp. 60-65, 70-71
A7: pp. 66-71, 76-71




Name _____

An Essential Resource

Water Availability

Most of Earth is covered by water. Only a small portion of that water is fresh water that is useable for human survival. Complete this page to explore the quantity and distribution of fresh water on Earth. If you struggle with your research, try the following questions to get you started.

- Where is Earth's water?
- How much water is on Earth?
- What is the distribution of water on Earth?

Part A Research different types of water sources and complete the table.

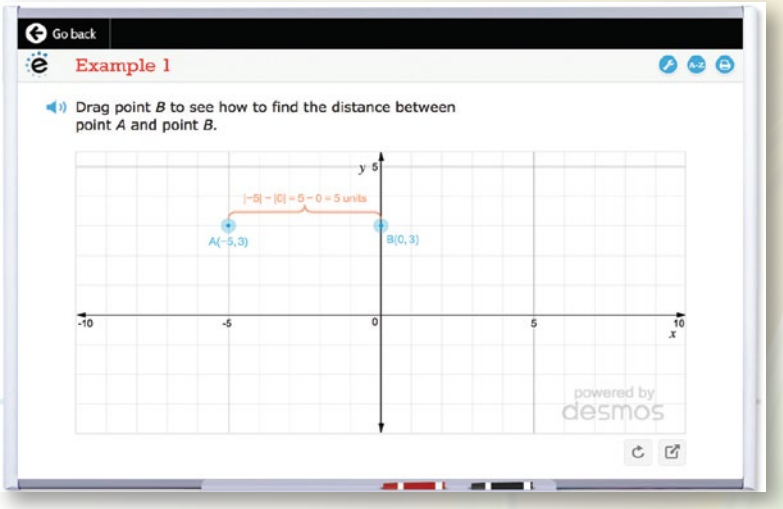
	Salt Water	Fresh Water
Sources List the different types of sources of each type of water.		
Percent of all water on Earth		

Part B Which fresh water sources are easily accessible surface water?

Part C What are some fresh water sources in your state? Are they big enough t
all your state's water needs?

enVision STEM Project

- Kick off each Topic with an in-depth STEM Project you can tailor to fit the needs of your classroom.
- Explore situations that address real social, economic, and environmental issues.
- Designed for flexible implementation.
- Projects incorporate the engineering process.
- Fully aligned to new science standards.



Embedded Interactivities Powered by Desmos

- **Modify instruction.** Use cutting-edge graphing calculator and geometry technology to deepen conceptual understanding.
- **Vary delivery of technology.** Interactivities are built into Problem-Based Learning, Visual Learning Animation Plus, Try It!, Examples, and Key Concepts throughout the program.
- **Exclusive to enVision – switches, sliders, and buttons** enable more focused student exploration.
- **Access Desmos anytime.** Students and teachers can open the Anytime Tool powered by Desmos on demand.

I Can See Clearly Now!

Starting on a firm foundation of conceptual understanding, students can connect and apply math ideas in amazing ways.

A simple lesson design provides a clear, intentional pathway.

STEP 1
Problem-Based Learning

STEP 2
Visual Learning

STEP 3
Assess & Differentiate

STEP 1

Problem-Based Learning

Solve & Discuss It!

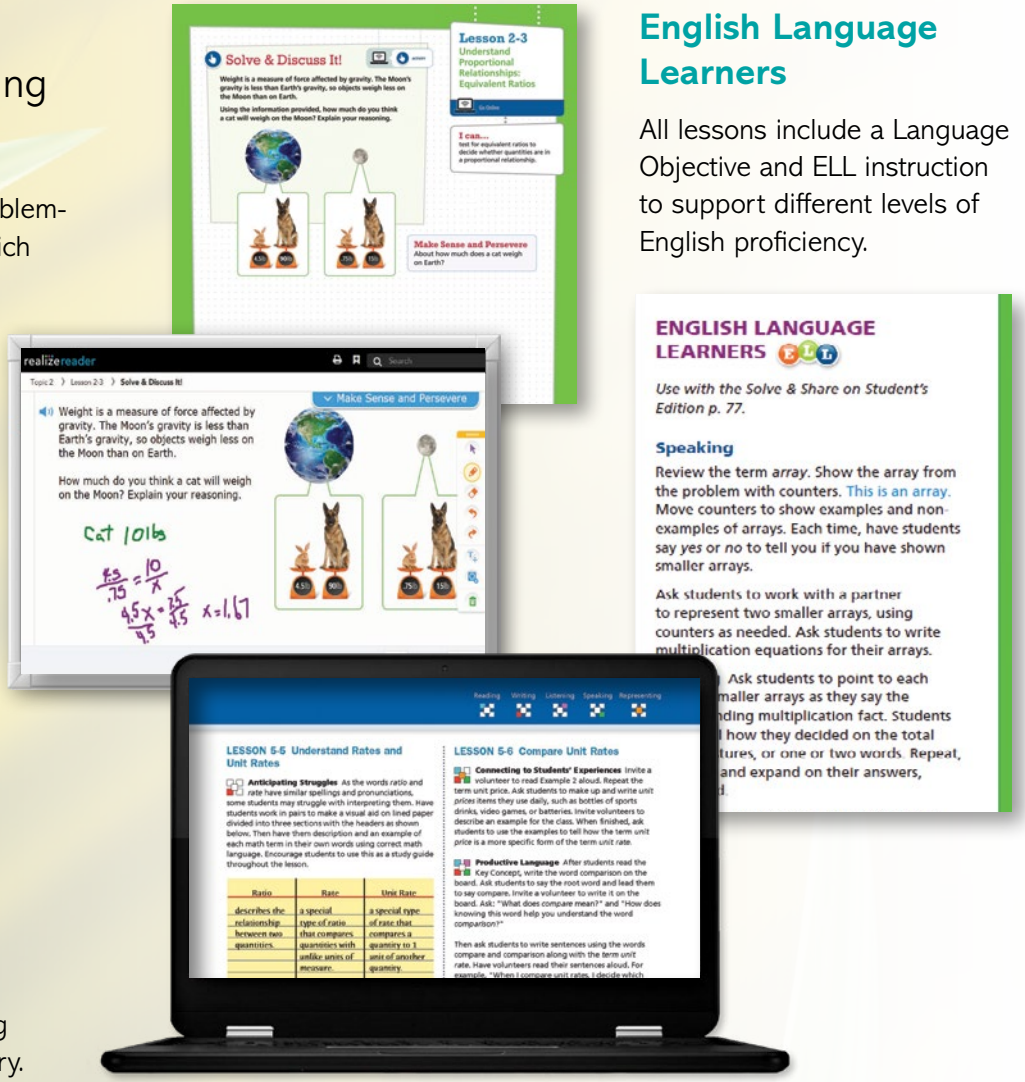
Introduce concepts through problem-solving experiences. Facilitate rich classroom conversations that promote a growth mindset and result in deeper conceptual understanding. Explore It! and Explain It! activities, at least once per Topic, focus on mathematical modeling and communication.

Solve & Discuss It! Online

Interactive workspace engages students and encourages active participation in learning.

Language Support Handbook

Topic and lesson-specific instructional support promotes language development including support for Academic Vocabulary.



English Language Learners

All lessons include a Language Objective and ELL instruction to support different levels of English proficiency.

ENGLISH LANGUAGE LEARNERS

Use with the Solve & Share on Student's Edition p. 77.

Speaking

Review the term *array*. Show the array from the problem with counters. This is an array. Move counters to show examples and non-examples of arrays. Each time, have students say *yes* or *no* to tell you if you have shown smaller arrays.

Ask students to work with a partner to represent two smaller arrays, using counters as needed. Ask students to write multiplication equations for their arrays.

Ask students to point to each maller arrays as they say the nding multiplication fact. Students how they decided on the total tures, or one or two words. Repeat, and expand on their answers,

Learn More!
Teacher's Edition
Program Overview
6, 7, 8: pp. 18-21, 34-41
A7: pp. 24-27, 40-47

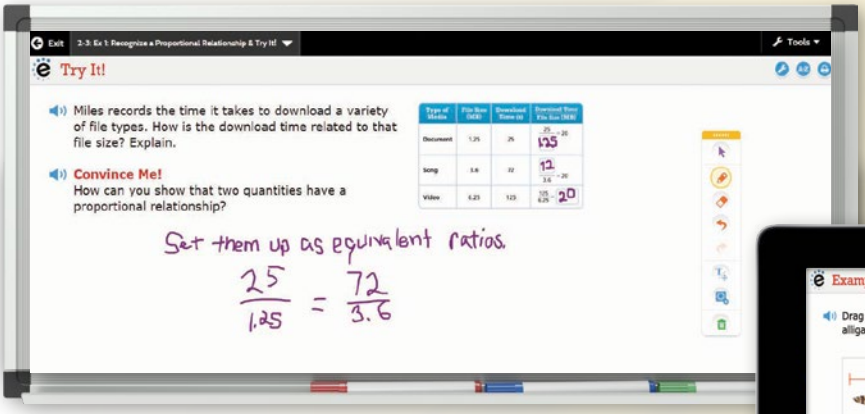
BouncePages

Launch Visual Learning Animation Plus videos from the student page with BouncePages.SavvasRealize.com.

STEP 2

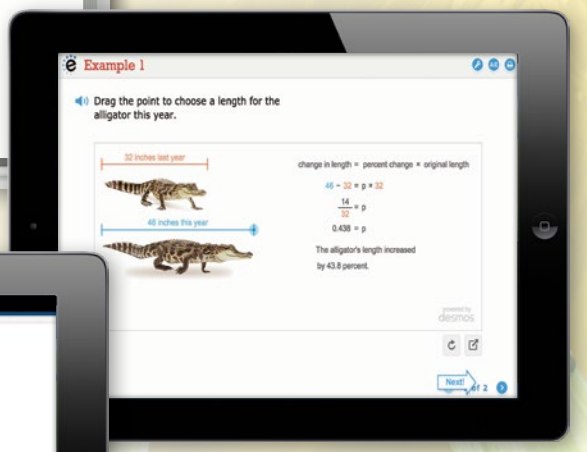
Visual Learning Example 1

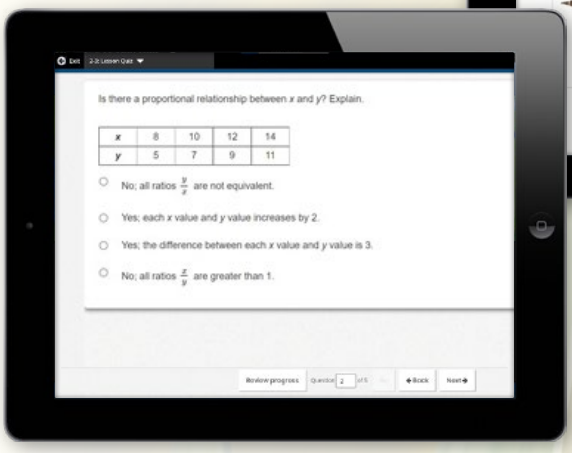
- Visual instruction gives learners greater access to concepts.
- Make key math ideas explicit through instruction connected to Step 1.
- Visual Learning Animation Plus interactivity promotes conceptual understanding.
- Formative assessment opportunities drive decision-making.



Try It!/Convince Me! Online

Explain, justify, use reasoning. Animations facilitate class discussion. Convince Me! connects back to the Essential Question.





STEP 3

Assess and Differentiate

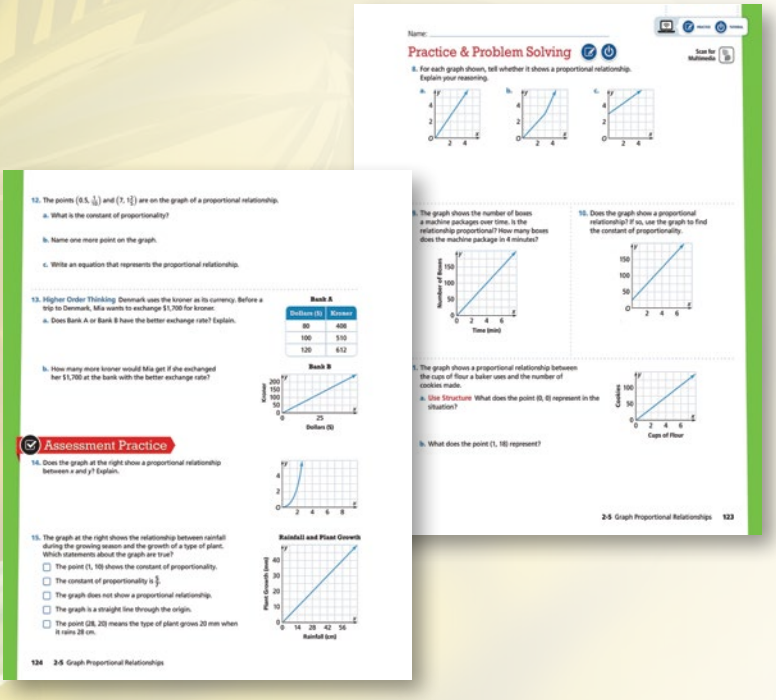
Ensure that students understand lesson concepts and are prepared for high-stakes assessments.

Additional Examples

More examples, both in print and online, allow for additional direct instruction options. Digital only examples are also included.

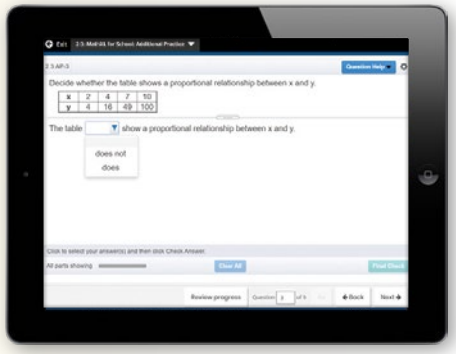
Practice with a Purpose

Personalized and adaptive learning encourages students to build their mathematical understanding and demonstrate proficiency.



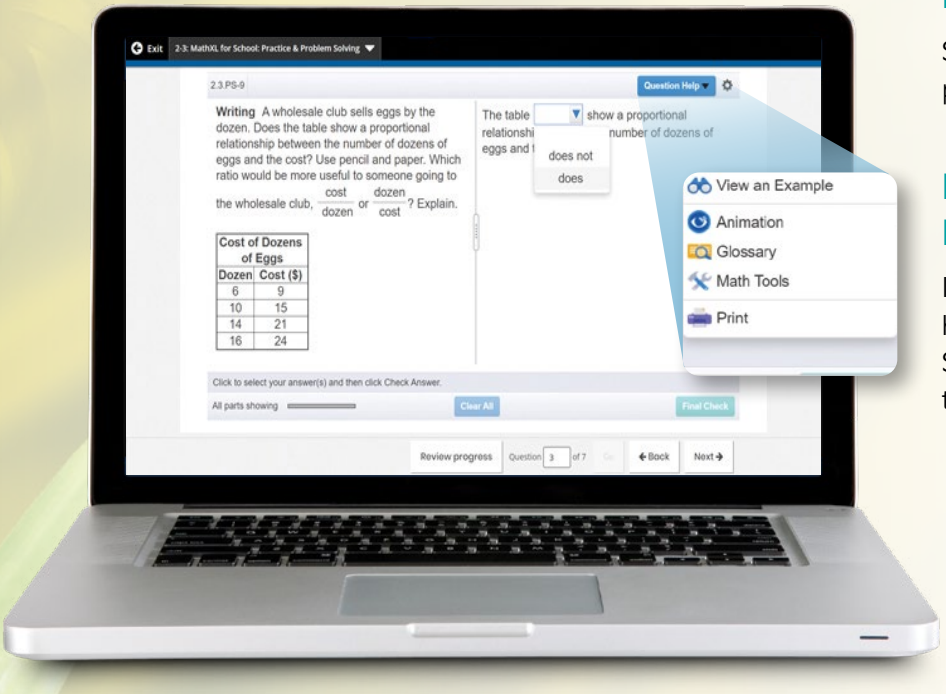
Practice and Problem Solving

- Build mathematical proficiency
- Promote higher-order thinking
- Help prepare students for high-stakes assessments



MathXL® for School: Practice & Problem Solving

Students are engaged as they practice and apply math ideas.



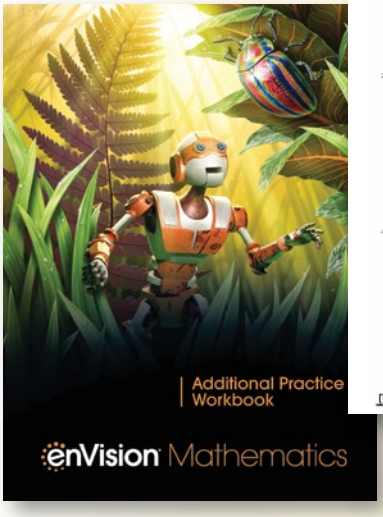
MathXL® for School: Enrichment

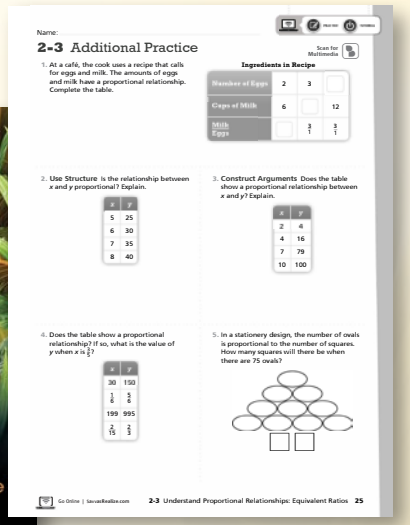
Instant feedback and learning aids help all students be successful. Students select tools to personalize their learning.

Learn More!
Teacher's Edition
Program Overview
6, 7, 8: pp. 42-43
A7: pp. 48-49

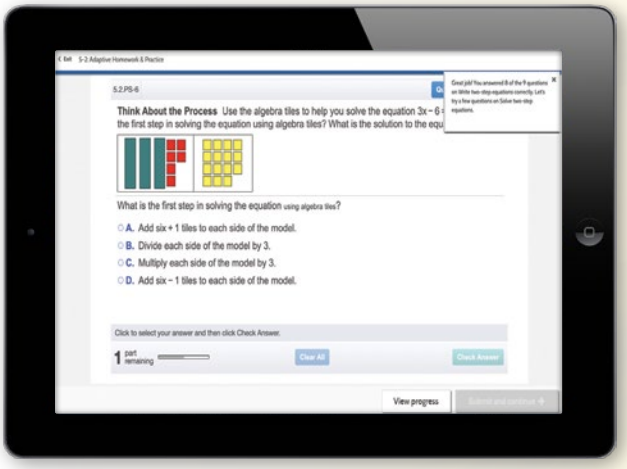
Additional Practice

- Leveling allows teachers to personalize skill and problem-solving.
- Reinforce vocabulary and higher-order thinking.
- MathXL® for School practice provides dynamic support for homework. Autoscored.
- Print workbook and online Interactive Realize Reader™ formats.





Available in Spanish.



Savvy Adaptive Practice

- Personalized practice in real-time, focusing on key concepts for each lesson.
- A brand new, transparent engine, informing students when and why they are receiving specific practice items or instructional support resources.
- Students dial back into prerequisite concepts or accelerate forward as they practice.

SAVVY™
ADAPTIVE PRACTICE

Virtual Nerd Tutorial Videos

- Dynamic Whiteboard™ feature allows students to see diagrams and all the steps.
- Approachable explanations delivered by on-screen instructors.
- Available for every lesson.

BouncePages

Launch Virtual Nerd videos from the student page with BouncePages.SavvasRealize.com.

Academic Vocabulary Activity

Students preview and demonstrate understanding of academic language through an online activity that supports each vocabulary word. Complete the vocabulary routines as a class or in partner activities.

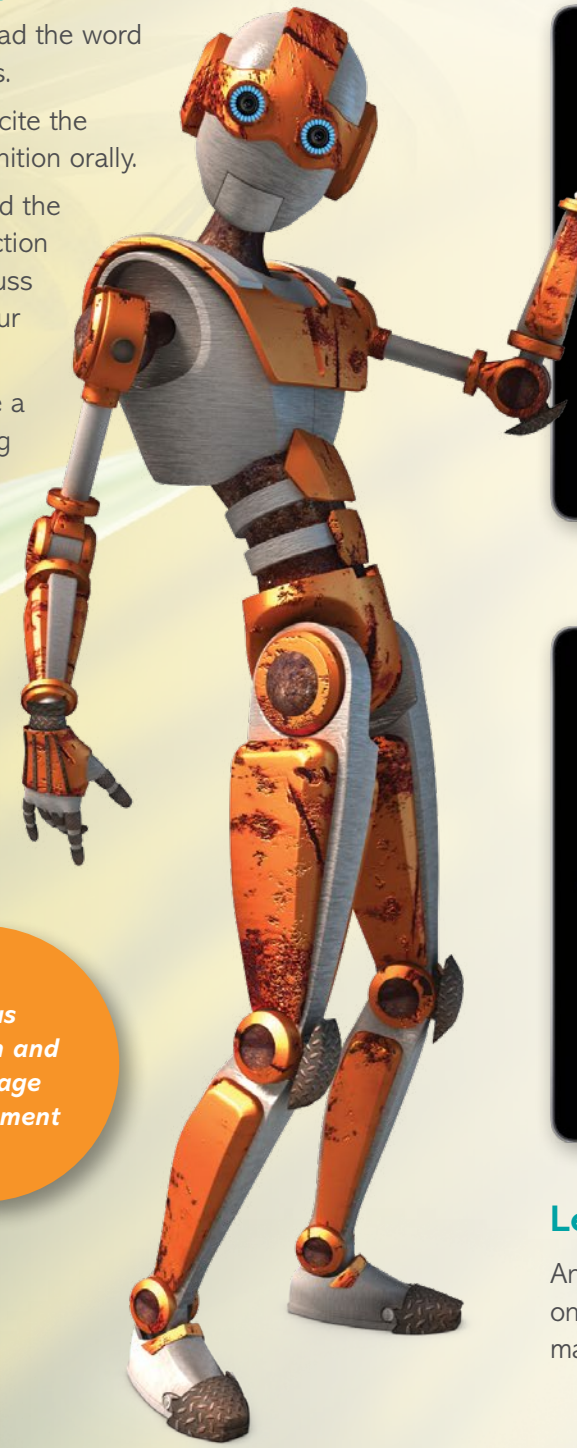
Vocabulary Routine

Listening: Read the word and definitions.

Speaking: Recite the word and definition orally.

Reading: Read the sample instruction and then discuss and record your responses.

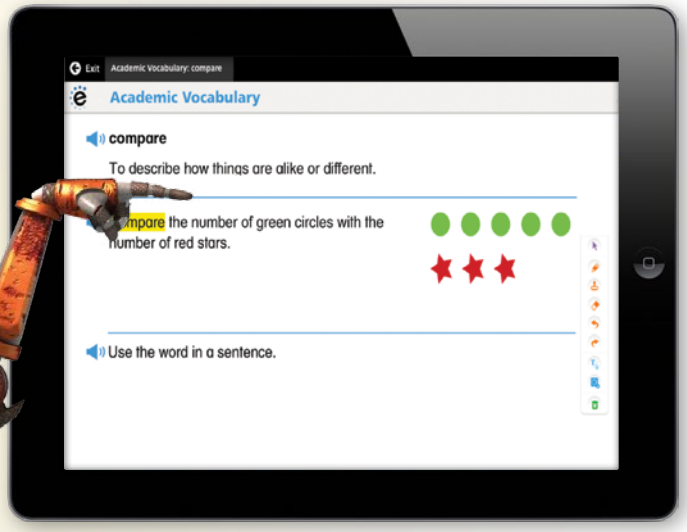
Writing: Write a sentence using the word.

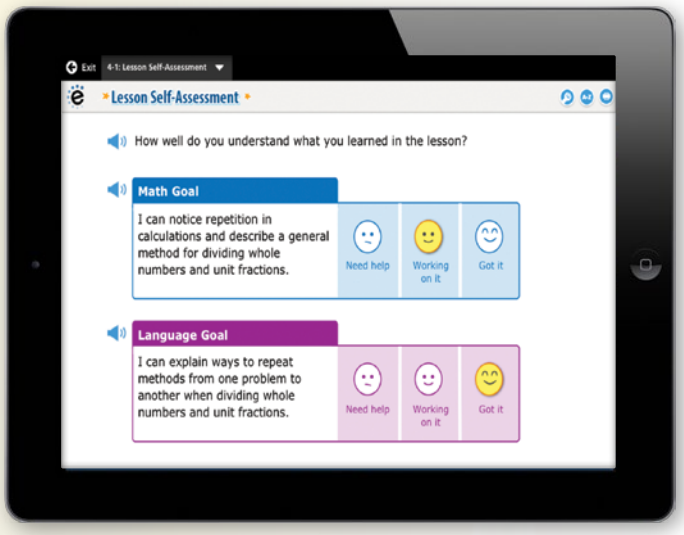


Focus on Math and Language Development

Language Development for All Students

Language Support Handbook provides Topic and lesson instructional support that promotes language development. Includes teaching support for Academic Vocabulary and more!





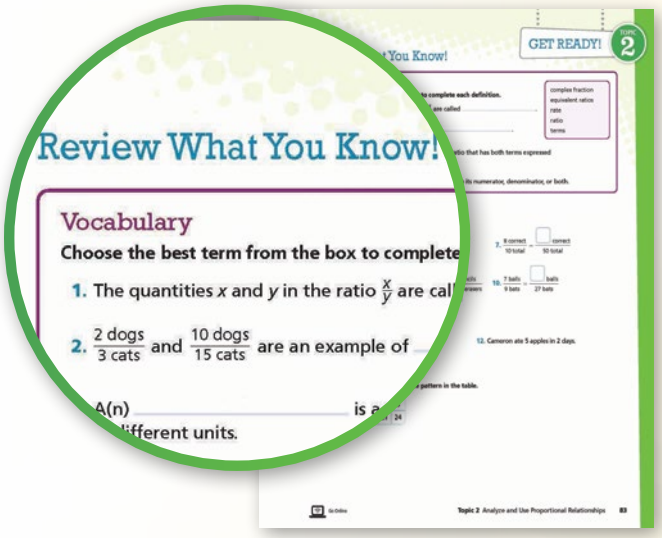
Lesson Self-Assessment

An exit ticket encourages students to reflect on their understanding of the language and the math goals of the lesson.

Learn More!
Teacher's Edition
Program Overview
6, 7, 8: pp. 76-77
A7: pp. 82-83

Assess to Differentiate

The *enVision* Assessment Suite offers options to move students toward mastery of state standards while driving instructional differentiation.

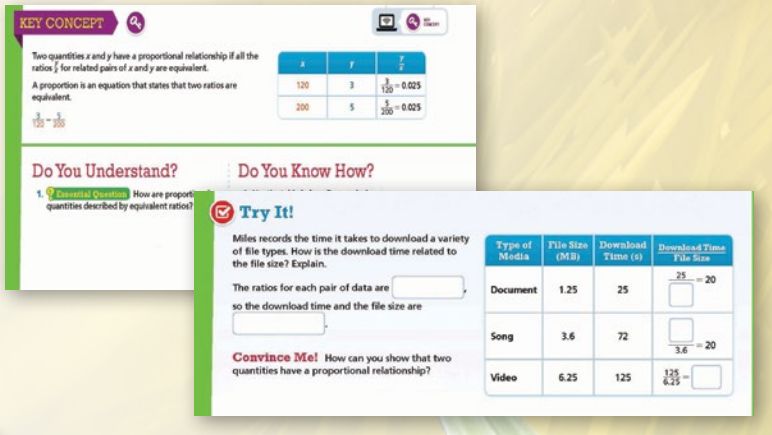


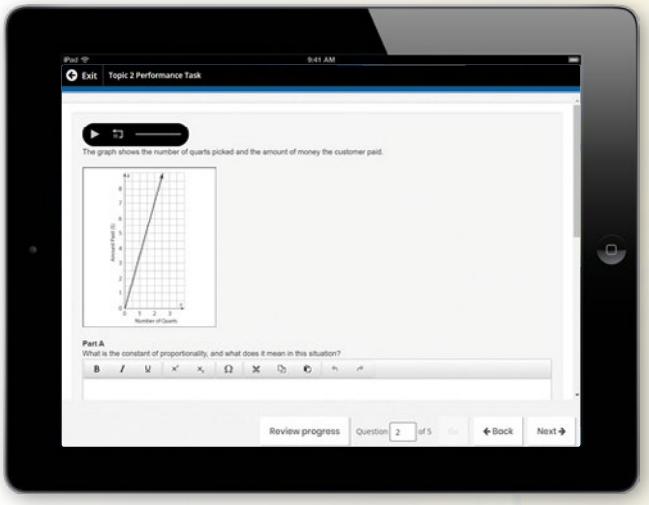
DIAGNOSTIC Assessment

- Readiness Assessment (Print and Online)
- Topic Readiness Assessment
- Diagnostic Test (Math Diagnosis and Intervention System)
- Review What You Know (Topic Level)

FORMATIVE Assessment

- Try It! and Convince Me!
- Do You Understand?/Do you Know How?
- Lesson Quiz (Print/Online)





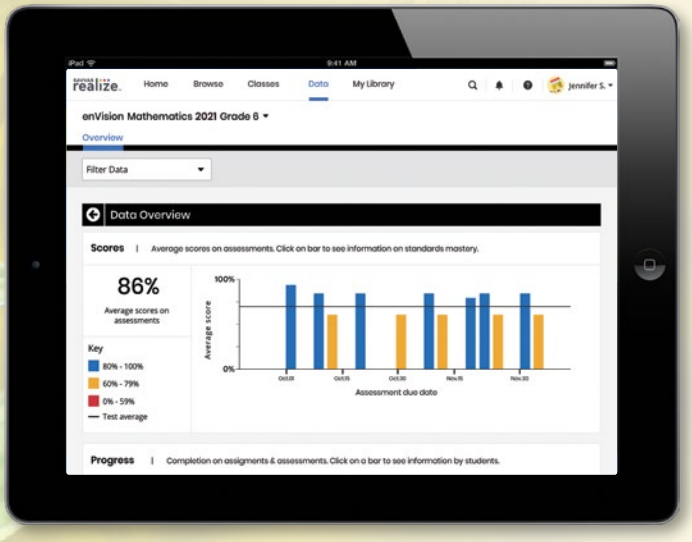
SUMMATIVE Assessment

- Topic Assessments, Form A and Form B (Print/Online)
- Topic Performance Assessments, Form A and Form B (Print/Online)
- ExamView® Test Generator
- Fluency Assessments
- Cumulative/Benchmark Assessments (Print/Online)
- Progress Monitoring Assessments (Forms A, B, and C; Print/Online)

Gain Meaningful Insight

A variety of auto-generated reports show standards mastery on assessments, overall progress, and usage data. It's all on SavvasRealize.com.

Data reports help drive differentiation.

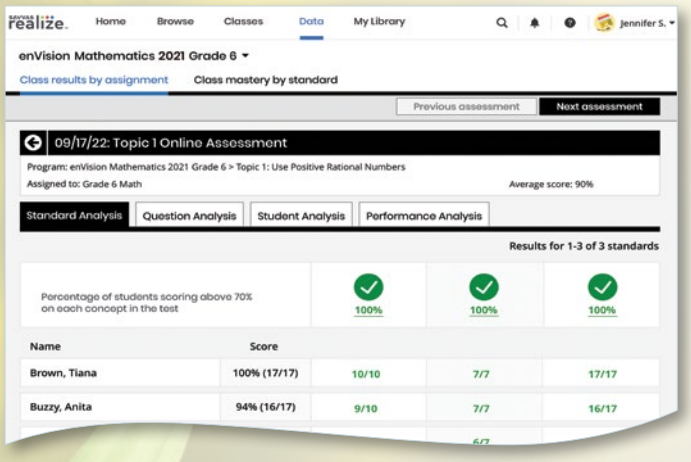


Savvas Math Screener and Diagnostic Assessments

Delivered on the Savvas Realize™ platform, the MSDA will help uncover students' strengths and weaknesses and provide targeted recommendations including additional instructional resources. (New additional option)

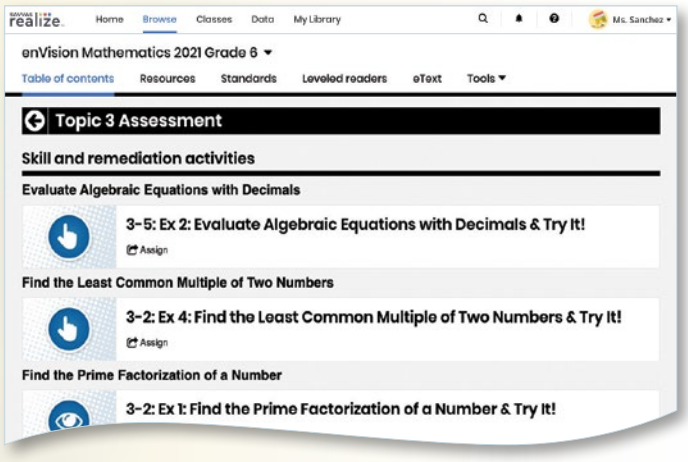
Data Overview

Reports including scores, progress, and usage are provided in an easy-to-view format.



Standards Analysis

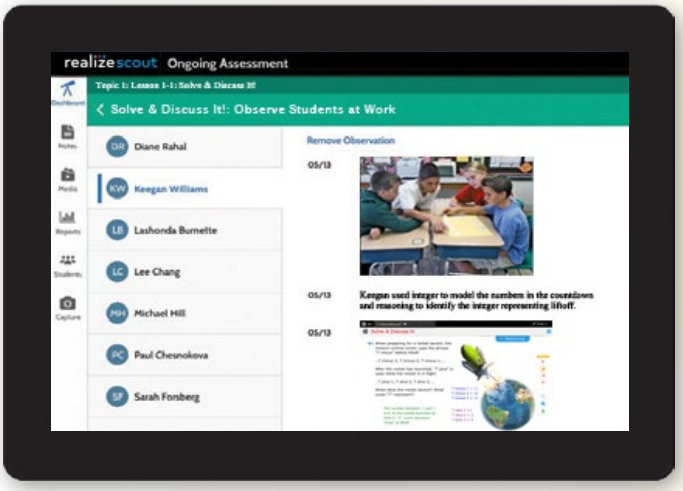
In-depth information is provided about standards coverage and mastery for an assignment.



Auto-Assign Differentiation

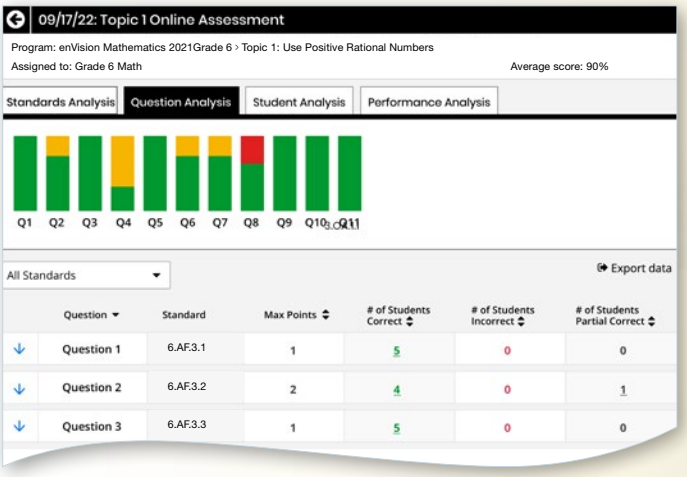
Differentiation is based on results of the online Lesson Quiz, Topic Readiness Assessment, Topic Assessment, and Cumulative/Benchmark Assessment.

Learn More!
Teacher's Edition
Program Overview
6, 7, 8: pp. 23
A7: pp. 29



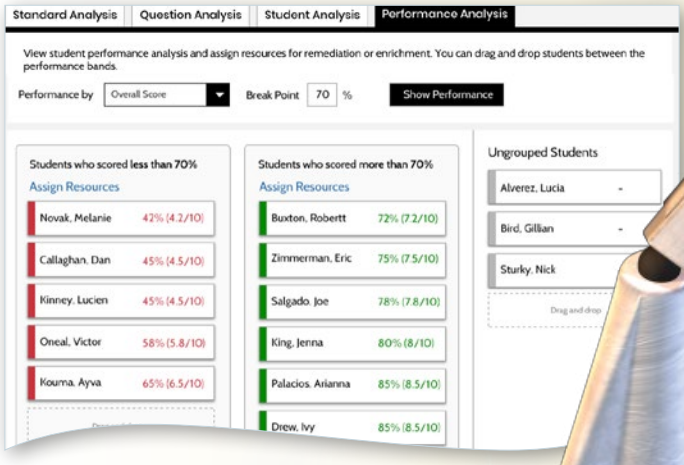
Realize Scout Observational Assessment Tool

Record observations and pictures of student work to support formative assessment.



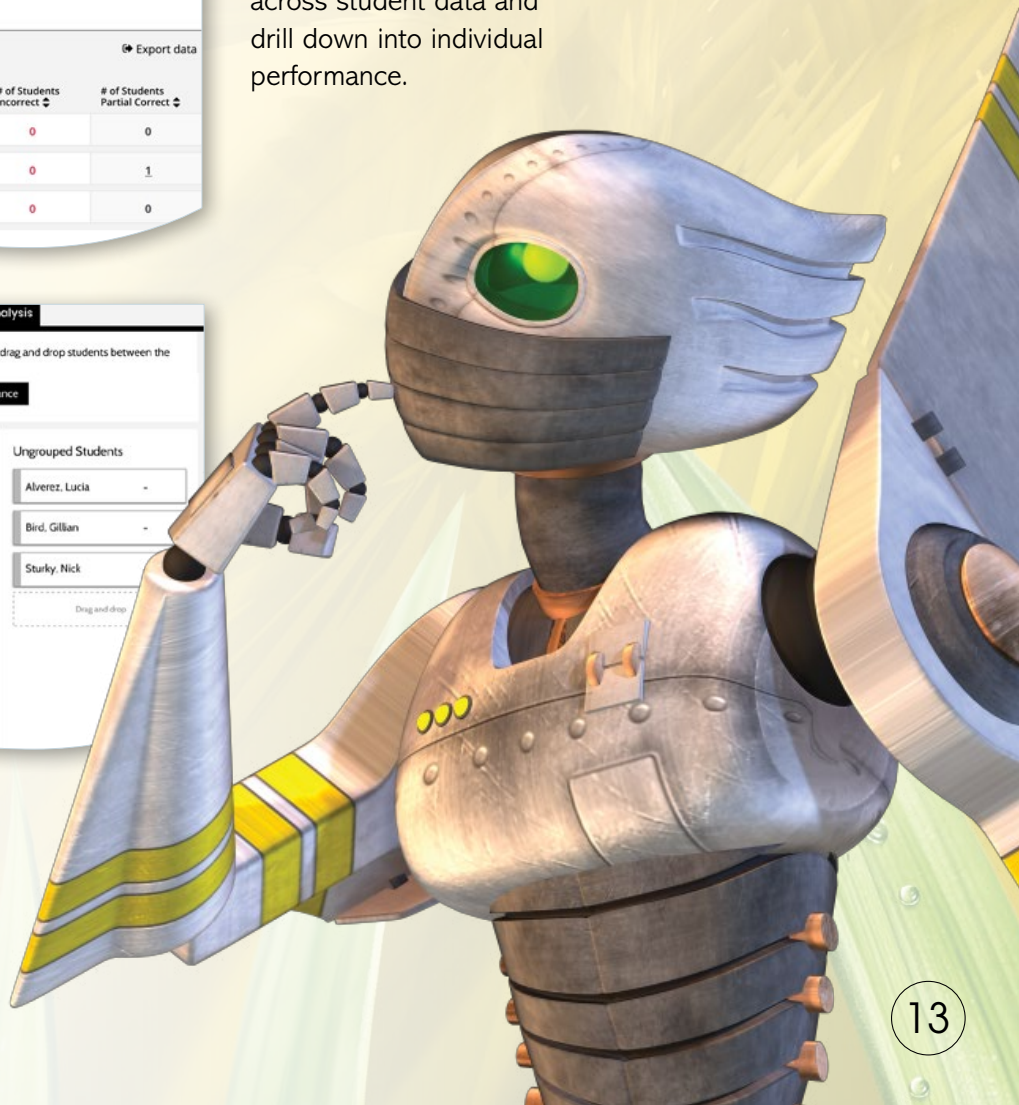
Question Analysis

Analyze the results to identify misconceptions stemming from individual questions. See trends across student data and drill down into individual performance.



Performance Analysis

Easily group students based on their performance on an assessment and assign targeted resources.



Focus on Each Learner

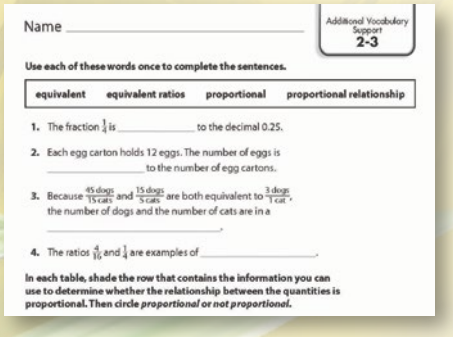
Differentiation options for each lesson encourage and challenge students of all learning levels.

2 RtI

INTENSIVE INTERVENTION **As needed ANYTIME**

I INTERVENTION **O** ON-LEVEL **A** ADVANCED

Differentiation Library


Name

Additional Vocabulary Support 2-3

Use each of these words once to complete the sentences.

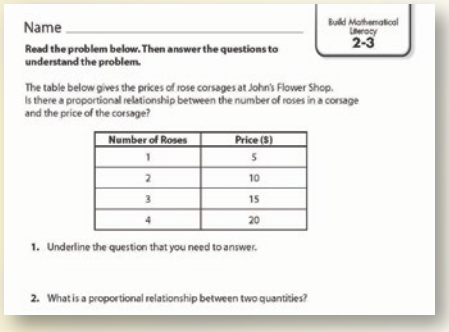
equivalent	equivalent ratios	proportional	proportional relationship

1. The fraction $\frac{1}{4}$ is _____ to the decimal 0.25.
2. Each egg carton holds 12 eggs. The number of eggs is _____ to the number of egg cartons.
3. Because $\frac{45 \text{ dogs}}{15 \text{ cats}}$ and $\frac{15 \text{ dogs}}{5 \text{ cats}}$ are both equivalent to $\frac{3 \text{ dogs}}{1 \text{ cat}}$, the number of dogs and the number of cats are in a _____.
4. The ratios $\frac{4}{16}$ and $\frac{1}{4}$ are examples of _____.

In each table, shade the row that contains the information you can use to determine whether the relationship between the quantities is proportional. Then circle *proportional or not proportional.*

Additional Vocabulary Activities **I** **O**

Support for ELL students to build mathematical understanding.


Name

Build Mathematical Literacy 2-3

Read the problem below. Then answer the questions to understand the problem.

The table below gives the prices of rose corsages at John's Flower Shop. Is there a proportional relationship between the number of roses in a corsage and the price of the corsage?

Number of Roses	Price ($)
1	5
2	10
3	15
4	20

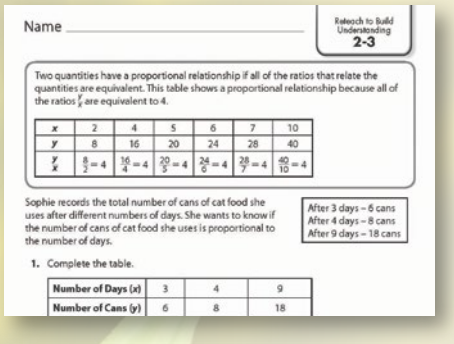
1. Underline the question that you need to answer.
2. What is a proportional relationship between two quantities?

Build Math Literacy **I** **O**

Reading support helps students read and understand examples from the lessons.

Pick a Project **I** **O** **A**

Student choice is supported through a variety of interesting activities students complete to demonstrate their understanding of math concepts.


Name

Reteach to Build Understanding 2-3

Two quantities have a proportional relationship if all of the ratios that relate the quantities are equivalent. This table shows a proportional relationship because all of the ratios $\frac{y}{x}$ are equivalent to 4.

x	2	4	5	6	7	10
y	8	16	20	24	28	40
$\frac{y}{x}$	$\frac{8}{2}=4$	$\frac{16}{4}=4$	$\frac{20}{5}=4$	$\frac{24}{6}=4$	$\frac{28}{7}=4$	$\frac{40}{10}=4$

Sophie records the total number of cans of cat food she uses after different numbers of days. She wants to know if the number of cans of cat food she uses is proportional to the number of days.

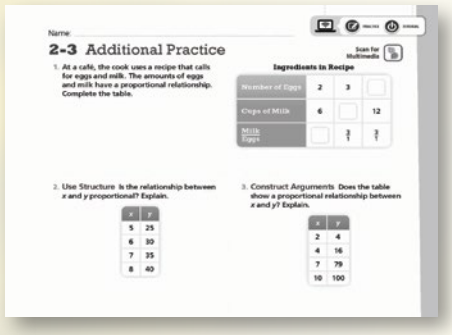
After 3 days – 6 cans
After 4 days – 8 cans
After 9 days – 18 cans

1. Complete the table.

Number of Days (x)	3	4	9
Number of Cans (y)	6	8	18

Reteach to Build Understanding **I**

Stepped-out, scaffolded support solidifies understanding with a fresh approach.


Name

2-3 Additional Practice

1. At a cafe, the cook uses a recipe that calls for eggs and milk. The amounts of eggs and milk have a proportional relationship. Complete the table.

Ingredients in Recipe

Number of Eggs	2	3	
Cups of Milk	6		12
Milk / Eggs		$\frac{3}{1}$	$\frac{3}{1}$

2. Use Structure Is the relationship between x and y proportional? Explain.

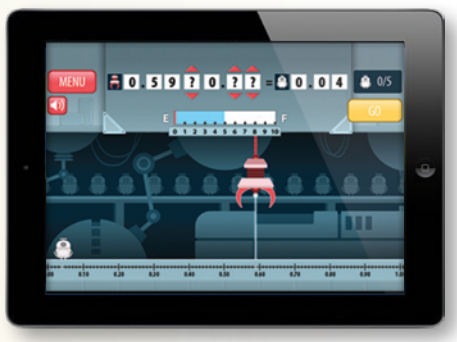
x	y
5	25
6	30
7	35
8	40

3. Construct Arguments Does the table show a proportional relationship between x and y? Explain.

x	y
2	4
4	16
7	79
10	100

Additional Practice **O** **A**

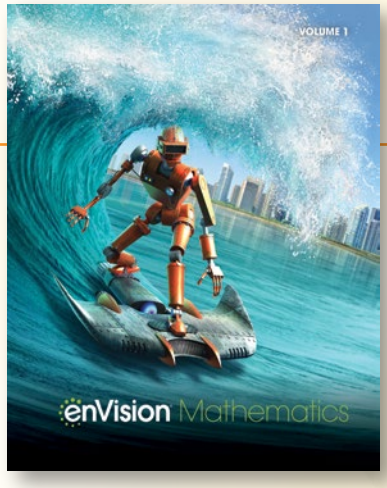
Two pages of additional practice for every lesson. Available as print Workbook, online *Math XL*, Interactive Realize Reader, and editable Word Doc.



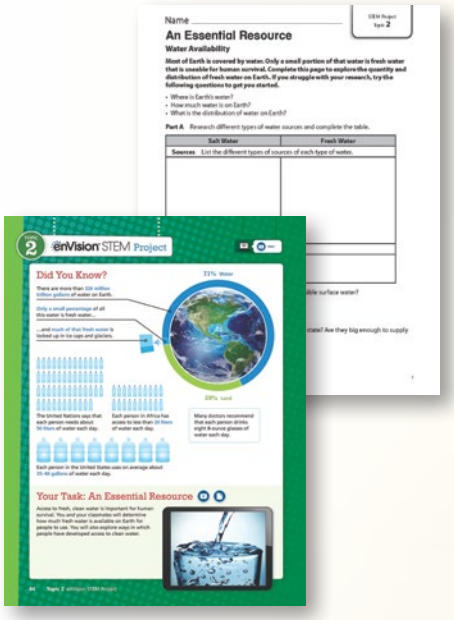
Technology Center **I** **O** **A**

Math Tools and Math Games reinforce concepts, critical thinking, and application.

Learn More!
Teacher's Edition
Program Overview
6, 7, 8: pp. 44-45, 72-75
A7: pp. 50-51, 78-81

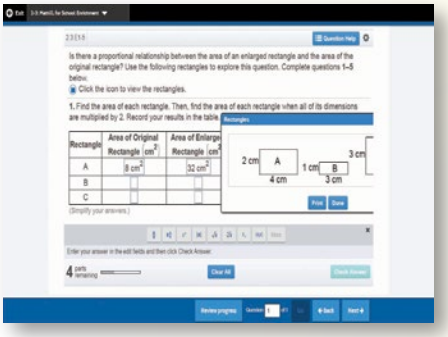


Accelerated Grade 7 program pathway is offered as well.
Complete print and digital accelerated program prepares students for Algebra in Grade 8.



STEM Projects I O A

Social, economic, and environmental issues incorporate media and demonstrate the value of math in a variety of real situations.

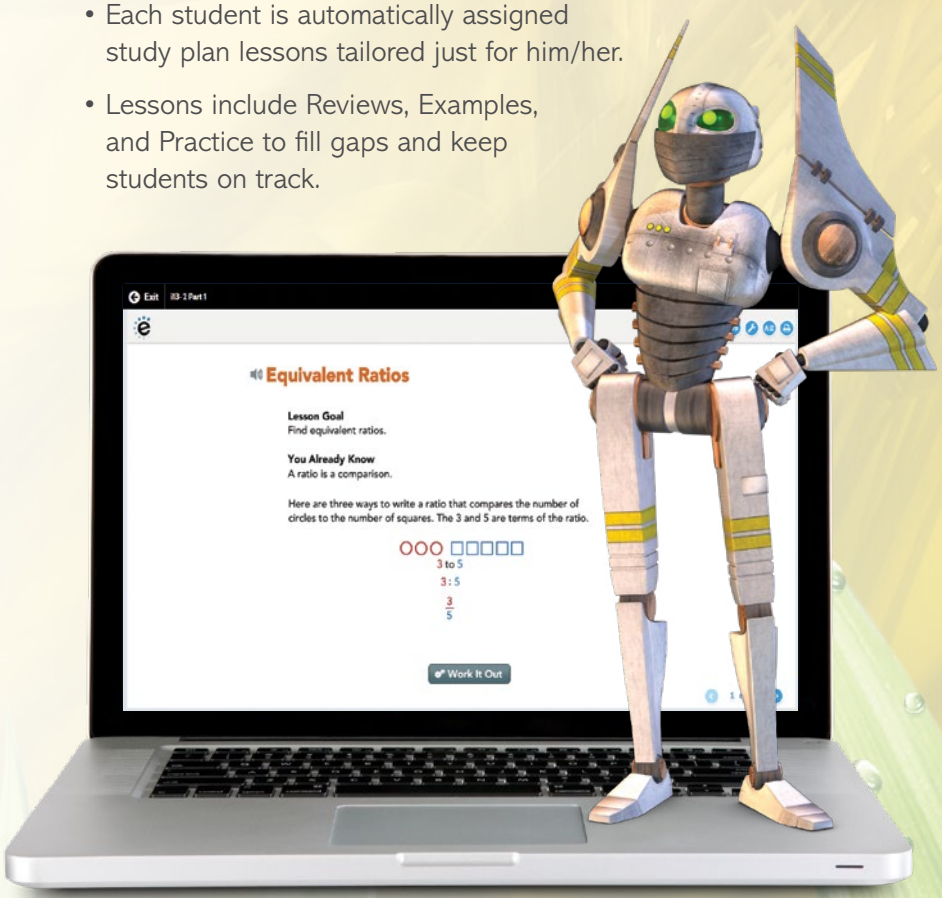


Enrichment O A

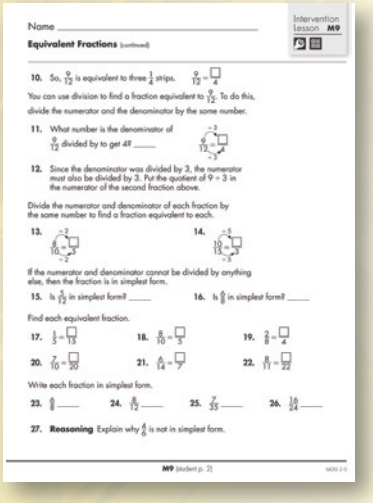
Higher-order thinking activities help students develop deeper understandings. Available as online PDFs and MathXL® for School formats.

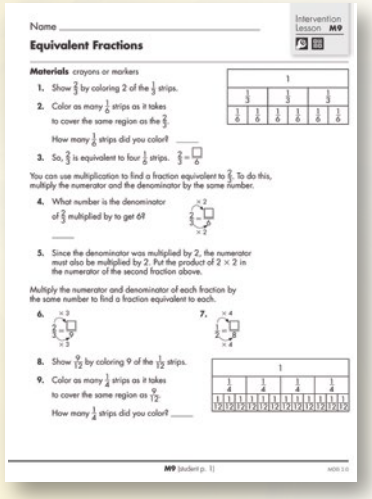
Individualized study plan addresses skill gaps for each Topic.

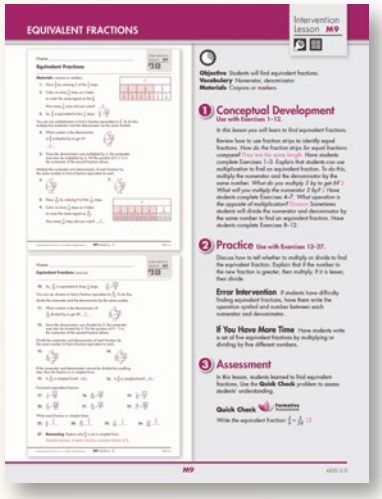
- Topic Readiness Assessment screens every student's understanding of Topic prerequisite content.
- Each student is automatically assigned study plan lessons tailored just for him/her.
- Lessons include Reviews, Examples, and Practice to fill gaps and keep students on track.



TIER 3: Intensive Intervention System (MDIS)

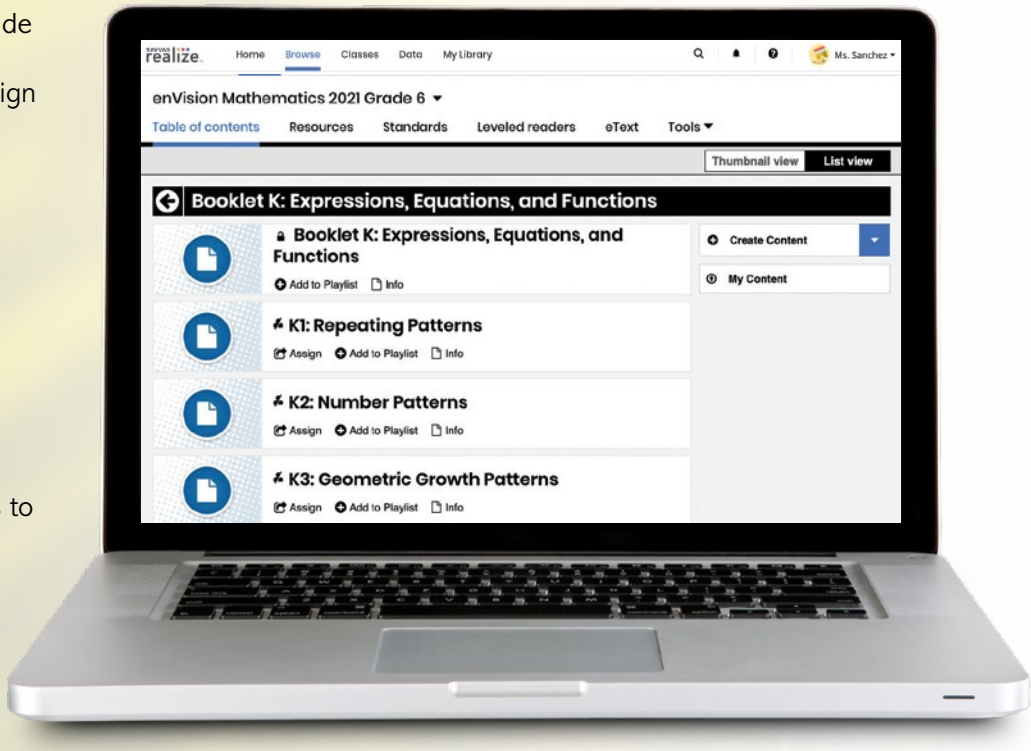






enVision Mathematics **Math Diagnosis and Intervention System (MDIS)** helps diagnose students' needs and provide effective intervention that's more intensive and individualized.

- **Diagnostics** Use the diagnostic tests in the system. Also, use the item analysis charts given with program assessments at the start of a grade or Topic, or at the end of a Topic, group of Topics, or the year.
- **Intervention Lessons** These two-page lessons include guided instruction followed by practice. Teachers can assign lessons that are below grade level if needed.
- **Teacher Support** Teacher Notes provide the support needed to conduct a short lesson. The lesson focuses on vocabulary, concept development, and practice.
- **Teacher Guide** This guide contains individual and class record forms and correlations to Student Edition lessons.

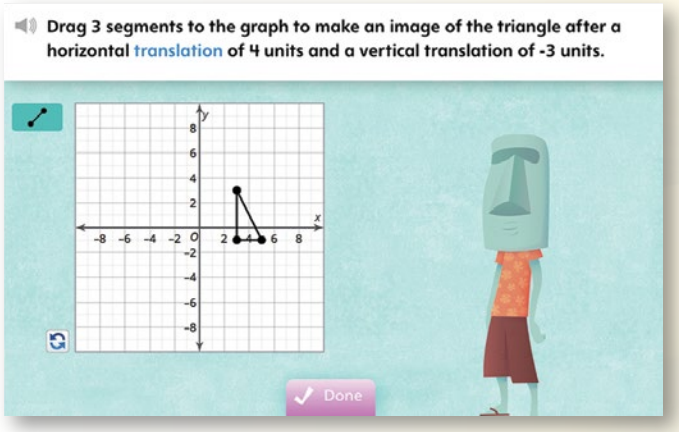


Learn More!
Teacher's Edition
Program Overview
6, 7, 8: pp. 75
A7: pp. 81

Looking for an Adaptive, Digital Intensive Intervention Solution?

SuccessMaker®

SuccessMaker® Math is a confidence maker—proven to improve students' mathematics performance.



TIER 3: SuccessMaker
Adaptive Learning

SuccessMaker calibrates with every question:

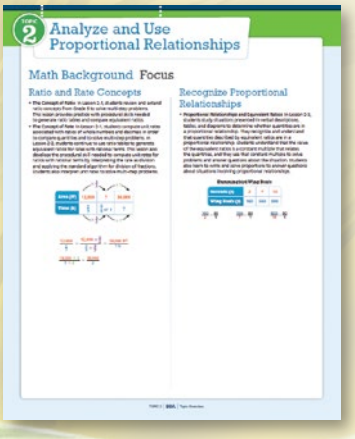
- Uses direct connections from *enVision®* *Mathematics*.
- Available in 60+ languages.
- Identifies specific Topics in *enVision* *Mathematics* for remediation.
- Teachers have the flexibility to use a range of *enVision Mathematics* resources at each level.
- Helps get learners back to grade level if struggling, or ahead if advanced.
- Continuously adaptive so students get exactly the right content at exactly the right time to close learning gaps.

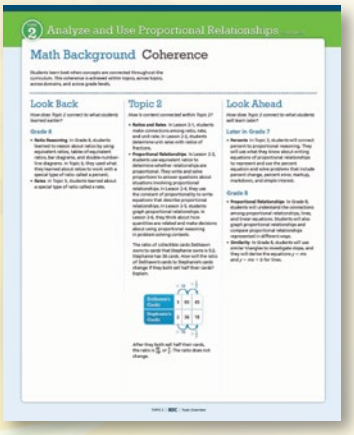
ESSA "Strong" Evidence-Based Intervention

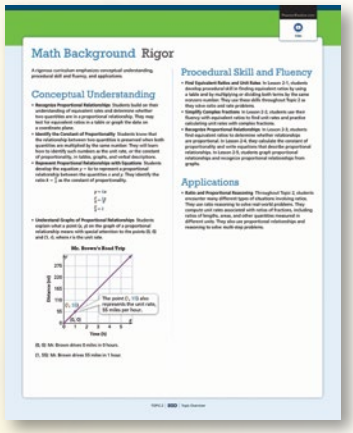
See the Big Picture

Gain a new perspective on your teaching with embedded strategies, methods, & a wide range of Professional Development opportunities in print & digital formats.

Every math teacher is a master teacher.







Ideas, inspiration, and teaching methods.

Math background for every Topic and Lesson serves as an easy-to-access math methods course.

Make every lesson perfect for you.

Access all digital content, assessments, and management tools at SavvasRealize.com.

- Search by keyword
- Customize lessons
- Reorder lessons and Topics
- Align to your district framework
- Assign to Google Classroom™
- Add Mosaic by ACT® resources
- Add Google Drive™ files
- Integrate Microsoft® OneDrive®
- Integrate with Canvas® and Schoology®
- Upload your own content

CANVAS schoology

Google for Education Partner

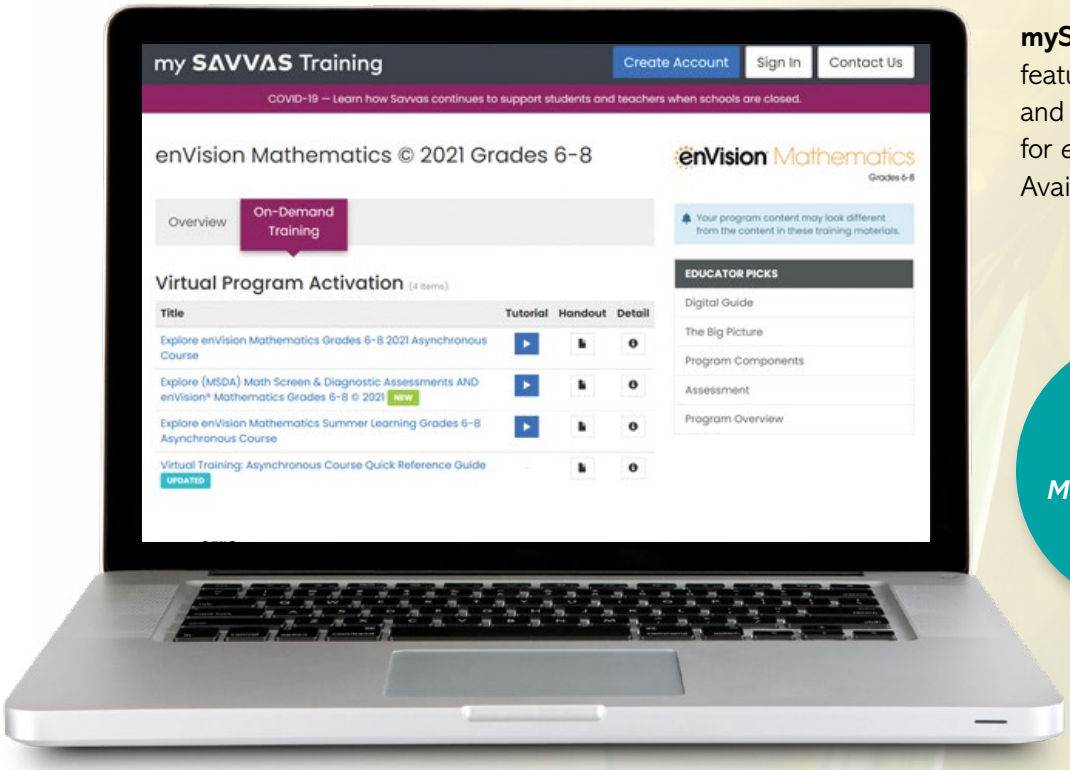
Present with ease in the classroom.

Present and print answers and solutions for all the Try Its, Do You Know How?/Do You Understand, and Practice & Problem Solving problems throughout the program.

Learn More!
Teacher's Edition
Program Overview
6, 7, 8: pp. 54-59, 78-79
A7: pp. 60-65, 84-85

Classroom and Professional Development videos on SavvasRealize.com give important perspectives on math concepts and show the program in action.

Listen and Look for Lesson videos provide key details, models, and insights for highlighted lessons. Modeled learning offers valuable support.



mySavvasTraining.com features many online tutorials and quick-start guides for *enVision Mathematics*. Available 24/7!

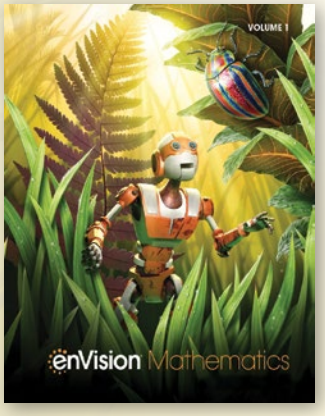
Seamless Integration Makes Everything Easier

Comprehensive Resources

Teach using multiple modalities and tiers. All resources support state standards and assessments. You don't have to look anywhere else!

Savvas Realize™

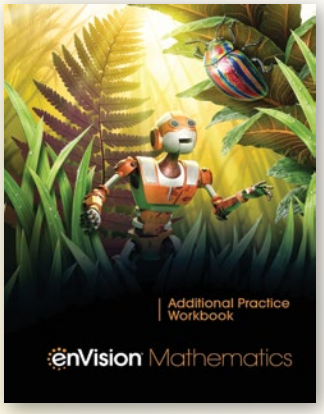
All *enVision Mathematics* resources are available on **SavvasRealize.com**. Easy-to-navigate content aligns to the standards and is fully customizable. All English and Spanish assets are provided in one course, so teachers and students do not have to toggle between multiple locations. Now integrates with Google rosterSync™, Google Classroom™, and Google Drive™.



Student Edition, 2 Volumes*

(Print and online interactive Realize Reader™)

The interactive text increases engagement and deepens understanding of math ideas. Students explain their thinking, solve problems, and make it their own.



Additional Practice Workbook*

(Print, online Interactive Realize Reader, editable Word doc formats)

The student workbook includes two pages of additional practice for each lesson. MathXL® for School version online offers instant feedback and personalized learning.

Language Support Handbook

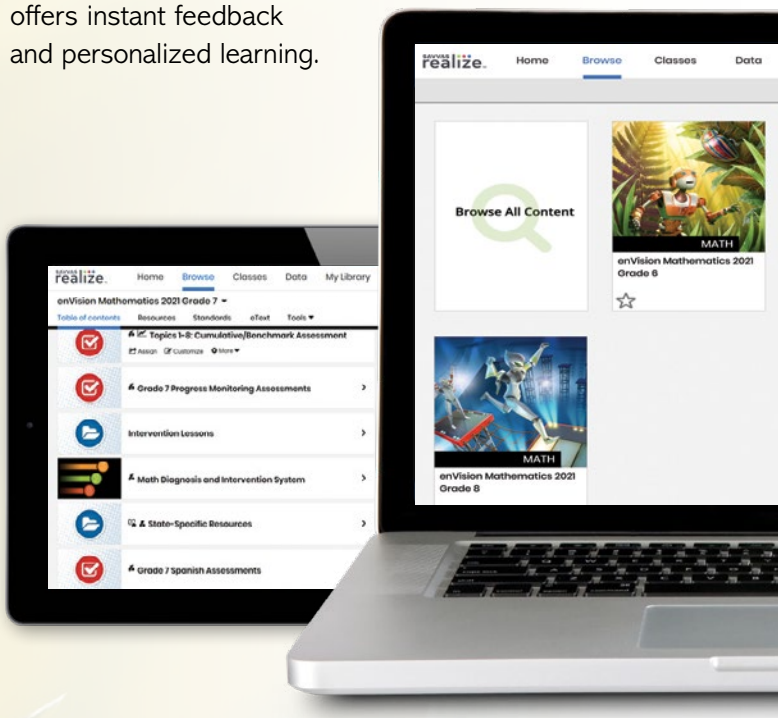
(Print and online PDFs)

Topic and lesson specific instructional support promotes language development.

Math Diagnosis and Intervention System

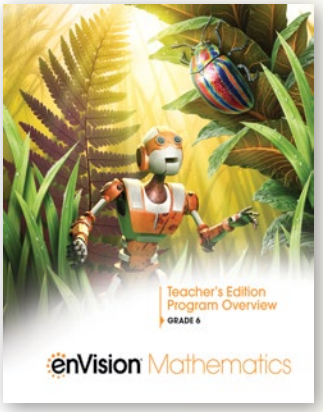
(Online PDFs)

Diagnose needs and provide Tier 3 intervention. The System includes two-page intervention lessons, guided instruction, and diagnostic tests.



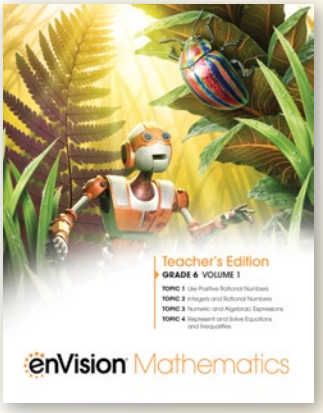
Learn More!
Teacher's Edition
Program Overview
6, 7, 8: pp. 32-33
A7: pp. 38-39

*Available in Spanish *enVision Matemáticas.*



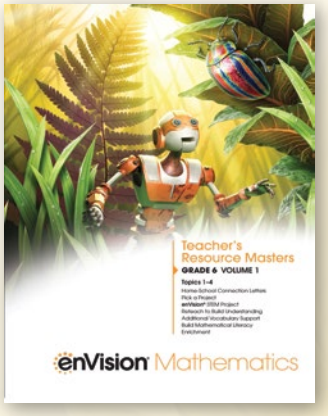
Teacher's Edition Program Overview

(Print and online PDFs)
A user's guide and PD resource in one! Explore pacing, lessons, differentiated instruction, and components.



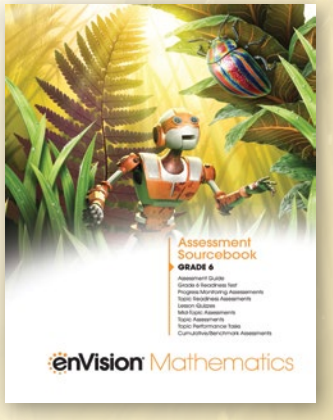
Teacher's Edition, 2 Volumes

(Print and online Realize Reader)
Topics and lessons align to standards and balance instructional focus, coherence, and rigor. Embedded math background and PD.



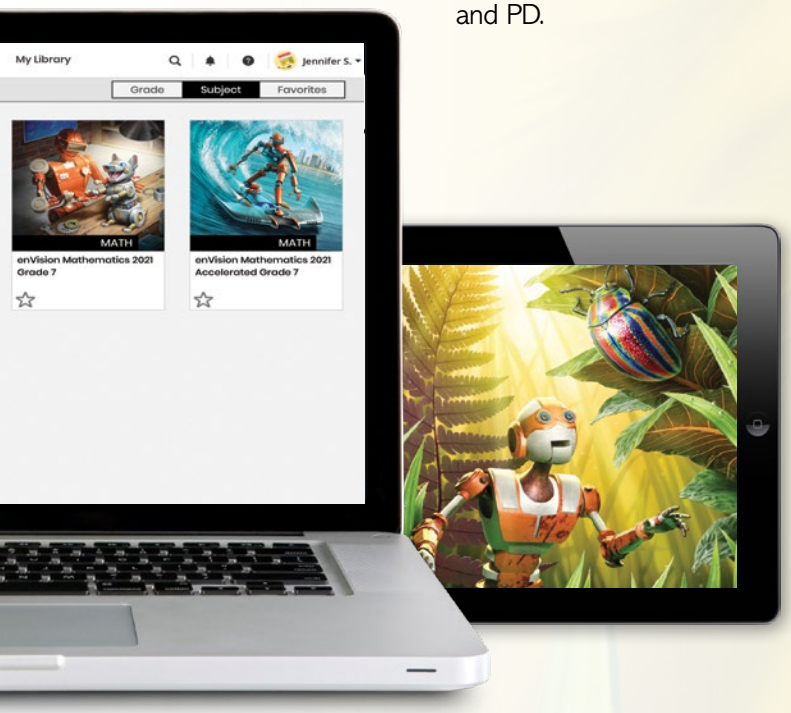
Teacher's Resource Masters, 2 Volumes*

(Print, online PDF, and editable Word doc formats)
- Home-School Connection Letters
- Reteach to Build Understanding
- Additional Vocabulary Support
- Build Mathematical Literacy
- Enrichment
- enVision STEM Project
- Pick a Project



Assessment Sourcebook*

(Print and online PDFs and editable Word doc formats)
- Readiness Test Masters
- Topic Performance Task Masters
- Lesson Quizzes
- Mid-Topic Assessments
- Topic Assessments
- Cumulative/Benchmark Assessment Masters
- Progress Monitoring Assessment Masters



Savvas Math Screener and Diagnostic Assessments *(New additional option)*

An unrivaled screener and diagnostic solution, created in partnership with WestEd® and delivered through Savvas Realize™.
- Quickly identify student proficiency of precursor skills with a short, accessible screener.
- The Multistage Adaptive Diagnostic produces norm-referenced results.
- Diagnostic reports pair data with standards-aligned instructional resources.

Accelerated Grade 7 Resources

Does your school implement an accelerated math pathway? *enVision Mathematics* Accelerated Grade 7 prepares students for Algebra in Grade 8.

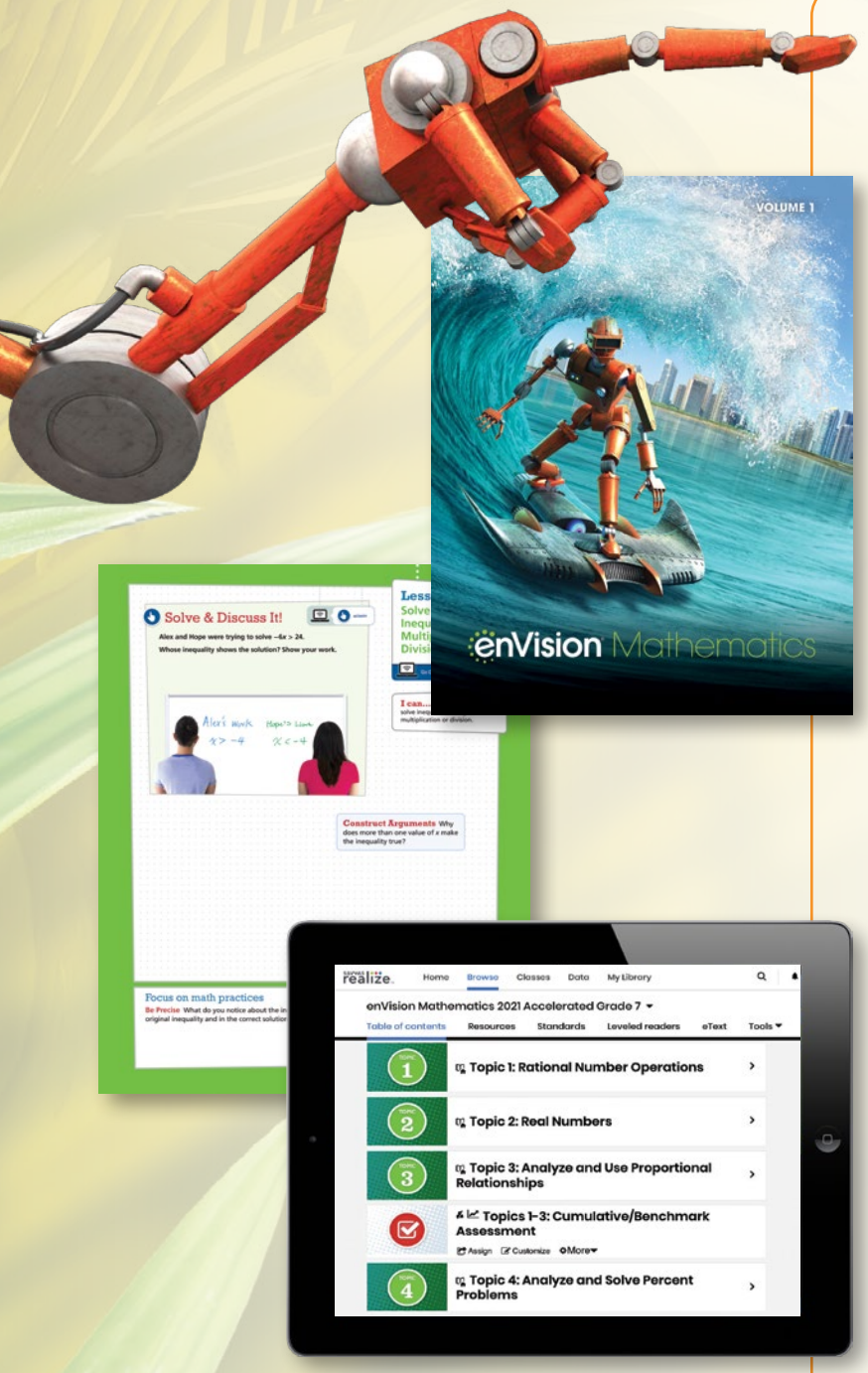
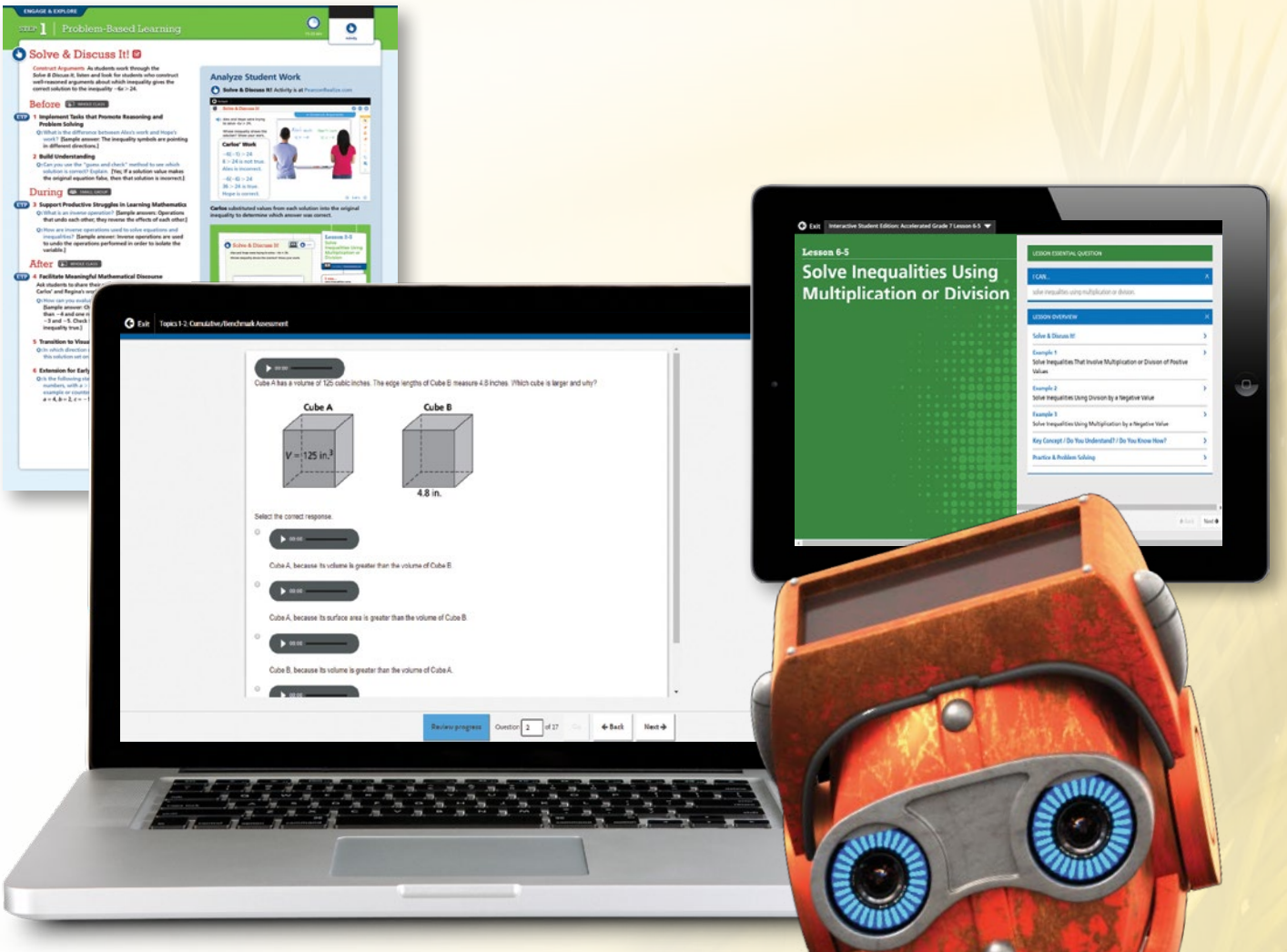


Table of Contents

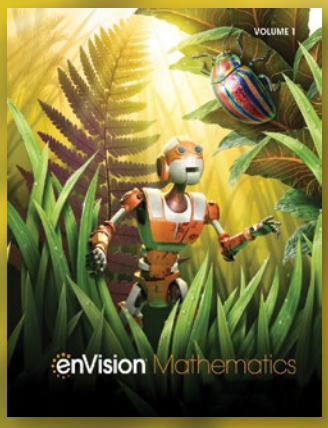


Components:

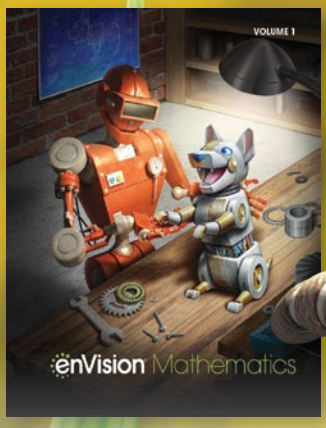
- Student Edition
- Teacher's Edition
- Teacher's Edition Program Overview
- Additional Practice Workbook
- Assessment Sourcebook
- Teacher's Resource Masters
- Language Support Handbook
- SavvasRealize.com

enVision® Mathematics

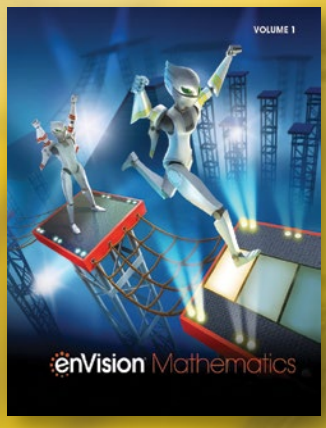
Kids See the Math. Teachers See Results.



Grade 6



Grade 7



Grade 8

Accelerated 7

Take an Interactive Tour!

Savvas.com/enVisionMathematics

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