

SAVVAS

Oklahoma
Program Overview
Grades 6 to
Prealgebra

enVision® Mathematics
Oklahoma

Kids See the Math. Teachers See Results.



Made for Oklahoma!

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



Student Edition, 2 Volumes*

(Print and online interactive Realize Reader™)

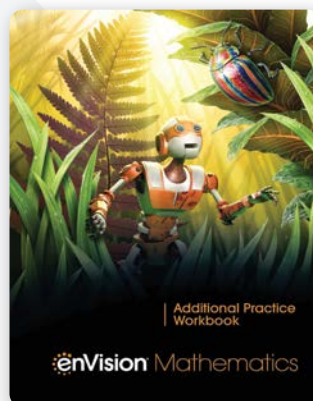
The interactive text increases engagement and deepens understanding of math ideas. Students explain their thinking, solve problems, and make it their own.



Oklahoma Student Companion

(Print and online)

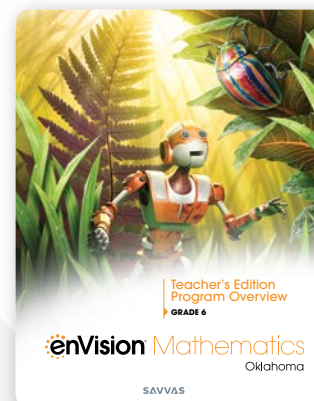
These custom "Just for Oklahoma" lessons ensure that every OAS is addressed.



Additional Practice Workbook*

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

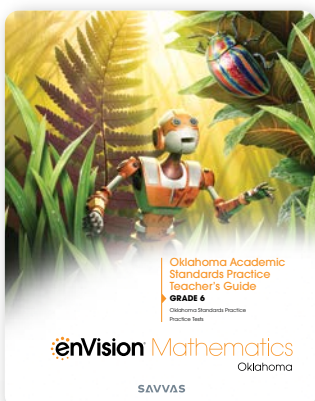
The student workbook includes two pages of additional practice for each Student Edition lesson. MathXL® for School version online offers instant feedback and personalized learning.



Oklahoma Teacher's Edition Program Overview

(Print and online PDFs)

A user's guide and PD resource in one! Explore OAS Correlations, pacing, OK lesson support, and guidance on program components.



OAS Practice Teacher's Guide

(Print and online PDFs)

Two pages of practice for each Oklahoma Academic Standard and two practice tests.

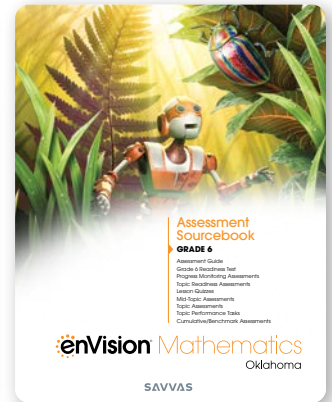
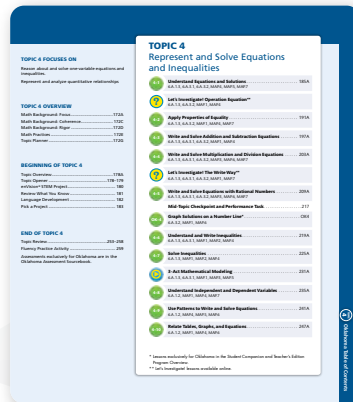


Language Support Handbook

(Print and online PDFs)

Topic and lesson specific instructional support promotes language development.

*Available in Spanish *enVision Matemáticas*.



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.

Oklahoma Teacher's Edition, Tabs

(Print and online)

Inserts easily into your Teacher's Edition to view alignment of Topics and lessons to Oklahoma Academic Standards (OAS) for Mathematics.

Teacher's Resource Masters, 2 Volumes*

(Print, online PDF, and editable Word doc)

- Reteach to Build Understanding
- Additional Vocabulary Support
- Build Mathematical Literacy
- Enrichment
- *enVision* STEM Project
- Pick a Project

Oklahoma Assessment Sourcebook

(Print and online PDFs

and editable Word doc)

Assessment masters, answer keys, and alignment charts to OAS.

- Readiness Tests
- Topic Assessments and Performance Tasks
- Lesson Quizzes
- Mid-Topic Assessments
- Cumulative Assessments
- Progress Monitoring Assessments

Savvas Math Screener & 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.

Oklahoma Digital Courseware on Savvas Realize®

All *enVision Mathematics Oklahoma* 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™.

enVision[®] Mathematics

Oklahoma



You're going to love what you see. *enVision[®] Mathematics Oklahoma* © 2025 for grades 6–8 helps develop deep conceptual understanding, personalize learning, and use student data to inform instruction.

1

Build Understanding

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

2

Personalize Learning

Formative and summative assessments drive differentiated instruction.

3

Get Expert Instructional Support

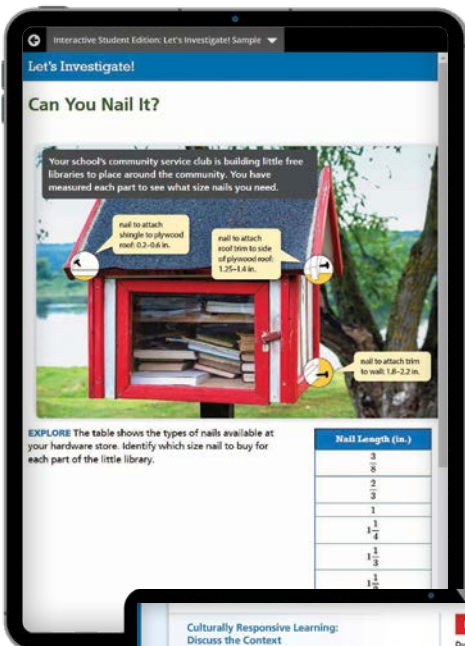
Meaningful, accessible instructional support provides flexibility for planning and instruction.



Let's Investigate!

Let's Investigate!, 3-Act Math, Pick a Project, and *enVision* STEM Projects invite every student's input to build a collective understanding of new ideas.

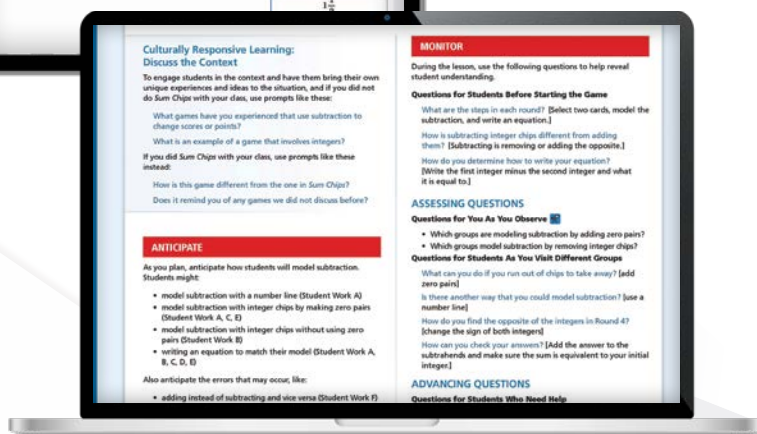
Use with
New Program
Manipulatives!



Student-Led Exploration

Let's Investigate! provides a problem-based learning option to replace all or part of a core lesson or lessons. These lessons give more time for exploration and digging deeper into the mathematics. Provided online, these resources can be easily printed.

- **Encourage productive struggle** by activating prior knowledge to build on in future lessons.
- **Real-world contexts** with compelling questions ask students to draw on their own experiences.
- **Hands-on** activities with physical and digital manipulatives promote a **student growth**.



Using the 5 Practices

Find teaching support based on the *5 Practices for Orchestrating Productive Mathematics Discussions* (Smith and Stein).

- **Anticipate** students' solution strategies.
- **Monitor** students' solutions.
- **Select** solutions for students to present.
- **Sequence** solutions that students will present.
- **Connect** students' strategies and connect to key ideas.

Anticipate Needs

- Prompts teachers to consider different ways students may approach the task.
- Prepares teachers for assessing and advancing questions.
- Provides different student response examples.

The student has drawn three red chips, each with a minus sign. Below them is the equation $-3 - 3 = 0$.

The student confuses a negative minus a positive with a negative minus a negative.

The student has drawn two red chips (minus) and two yellow chips (plus). Below them is the equation $-2 - (-4) = 2$.

The student correctly uses zero pairs to model $-2 - (-4)$.

Student work examples

UNDERSTANDING

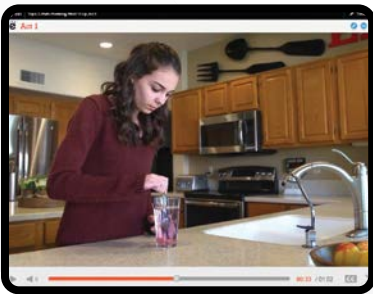
See What They Can Do

Engaging, motivationally-rich tasks make math inviting and interesting for all students. These low-threshold, high-ceiling opportunities offer students unique math experiences.

3-Act Math

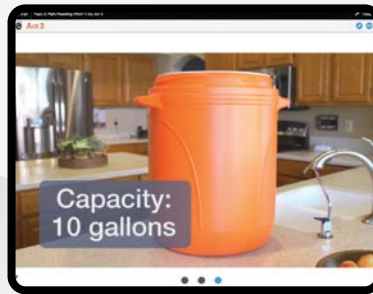
Build students' confidence to think mathematically and solve problems on their own.

ACT 1: THE HOOK



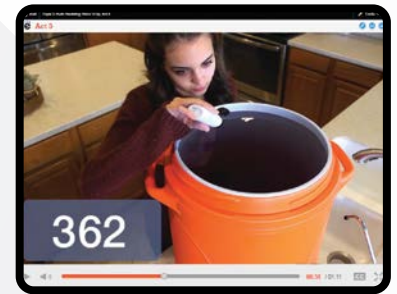
A video or photo hooks students with the task and provokes questions.

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.



3-ACT MATH

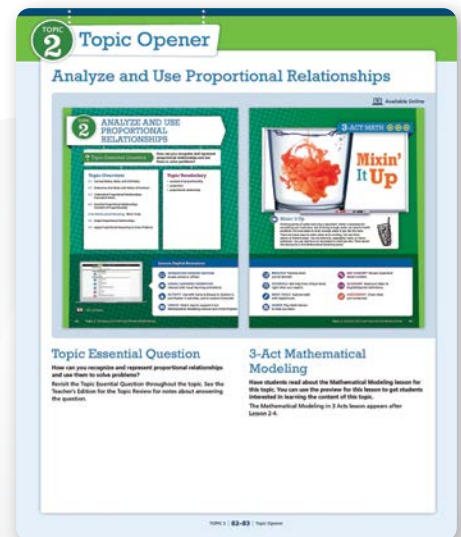
Mixin' It Up

Drinking plenty of water each day is important. Water is necessary for everything your body does. Not drinking enough water can lead to health problems. It's even easier to drink enough water if you like the taste. There are many ways to make water more exciting. You can drink carbon or flavored water. You can add fruit, vegetables, herbs, or flavor enhancers. You can add more or less based on what you like. Think about this during the 3-Act Mathematical Modeling lesson.

PRACTICE Practice what you've learned.
TUTORIALS Get help from Virtual Nerd, right when you need it.
MATH TOOLS Explore math with digital tools.
GAMES Play Math Games to help you learn.

KEY CONCEPT Review important lesson content.
GLOSSARY Read and listen to English/Spanish definitions.
ASSESSMENT Show what you've learned.

Topic 2: Analyze and Use Proportional Relationships



Topic Opener

Analyze and Use Proportional Relationships

2 ANALYZE AND USE PROPORTIONAL RELATIONSHIPS

3-ACT MATH

Mixin' It Up

Topic Essential Question

How can you recognize and represent proportional relationships and use them to solve problems?

3-Act Mathematical Modeling

Have students read about the Mathematical Modeling lesson for this topic. You can use the prompts for this lesson to get students interested in learning the content of this topic. The Mathematical Modeling in 3-Act lesson appears after lesson 2.4.

Topic 2: 82-83 Topic Opener

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

Student
Choice,
Differentiation,
Open-Ended
Rich Tasks

PICK A PROJECT **TOPIC 2**

PROJECT 2A

Who do you think would win a race involving different types of animals?

PROJECT: PREDICT RACE RESULTS



PROJECT 2B

What would it be like to travel to another planet?

PROJECT: CALCULATE THE WEIGHT OF YOUR FACE




Topic 2 Pick a Project

PROJECT 2C

What stories can you tell?


PROJECT: WRITE A SHORT STORY



PROJECT 2D

If you could play any musical instrument, what would you play? Why?

PROJECT: PLAY MUSIC




Sample Scoring Rubric

Below Expectations (0-1 point: Explain.)	Meets Goal (2 points)	Above Expectations (3-4 points: Explain.)
	Mathematics: The project accurately demonstrates understanding of a key mathematical concept from the topic.	
	Context: The mathematics from the topic connects to the project context in a logical and natural way.	
	Presentation: The directions and guidelines were accurately followed.	

Name _____ **Pick a Project Project 2A**

Mammalian Marathon

There are over 7 million animal species in the world. Each species has an average running pace. The fastest mammal on Earth is the cheetah, which can run as fast as 69.5 miles per hour (mi/h). The slowest mammal on earth is the three-toed sloth, which creeps along at about 0.08 mi/h. Humans race against each other and a wide variety of animals. Sometimes humans ride on animals, such as horses or camels, as they race toward a finish line. Other races involve a single type of animal (greyhounds, hamsters, or mice, for example) racing against each other.



Your Project Predict Race Results

What are some fast animals you can think of? What are some slow ones? How fast can you run? Think about how you could predict who would win a race.

Research the speed of at least four different animals. Then time how long it takes you to run $\frac{1}{4}$ mile (1 lap around a track). If you and these four types of animals ran a marathon at those speeds, who would win? How far into the race would the four other racers be when the winner crossed the finish line? Write a sports article or record a sports newscast to predict the outcome of this race. Use the information you learned in this topic to justify your predictions.

Name _____ **Pick a Project Project 2D**


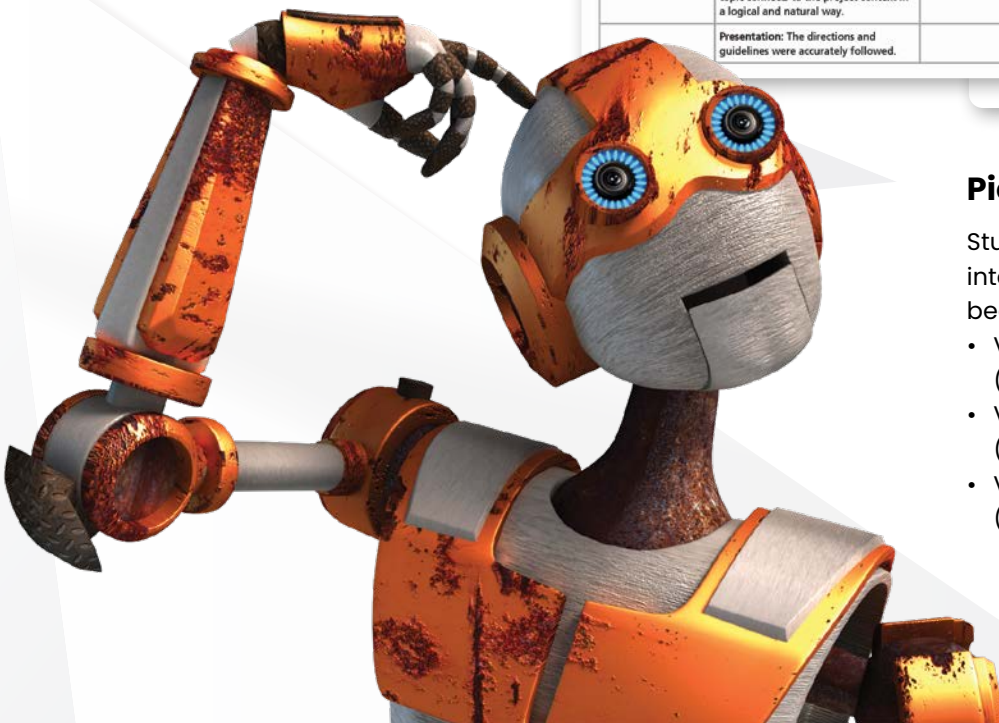
Sounds of Music

The size of an instrument determines the range of pitches it can produce. A guitar produces lower pitches than a violin, and a cello produces lower pitches than a guitar.

There are other ways to control the sound an instrument produces, however. Where you press a guitar string affects the pitch of the string when you pluck it—pressing halfway along the string produces a pitch an octave higher than pressing the top of the string. How a piano is tuned affects the pitch of a string when you play a note.

Your Project Play Music

Research how composers and musicians use ratios and proportions in music. Find or compose a piece of music and identify three ratios between notes. Make a video of yourself playing the piece of music. In your video, include a segment in which you explain how the changes in pitch are proportionally related.

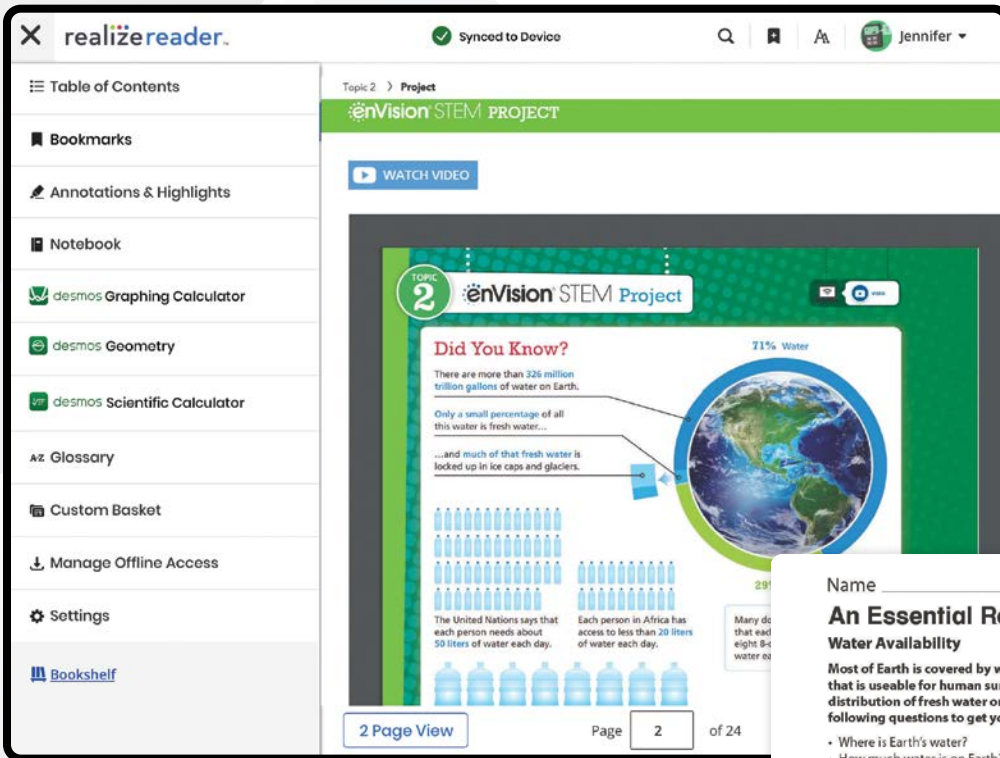



Pick a Project

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)

UNDERSTANDING



Designed for Flexible Implementation

enVision STEM Project

- Kick off each Topic with an in-depth STEM Project you can tailor to fit the needs of your classroom.
- Launch with NBC Learn™ videos for every project!
- Explore situations that focus on solving a problem based on real-world applications.
- Designed for flexible implementation.
- Projects incorporate the engineering process.

Name _____

STEM Project
Topic 2

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?

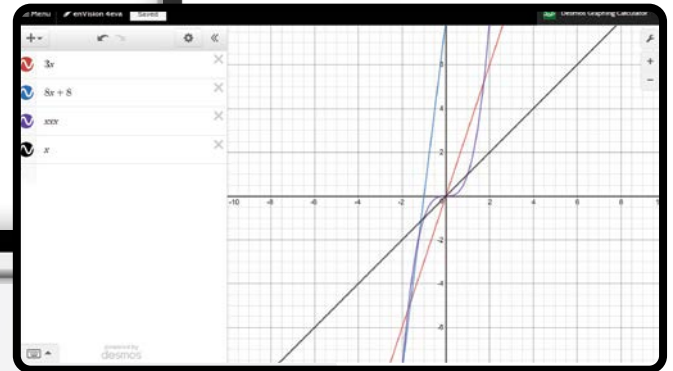
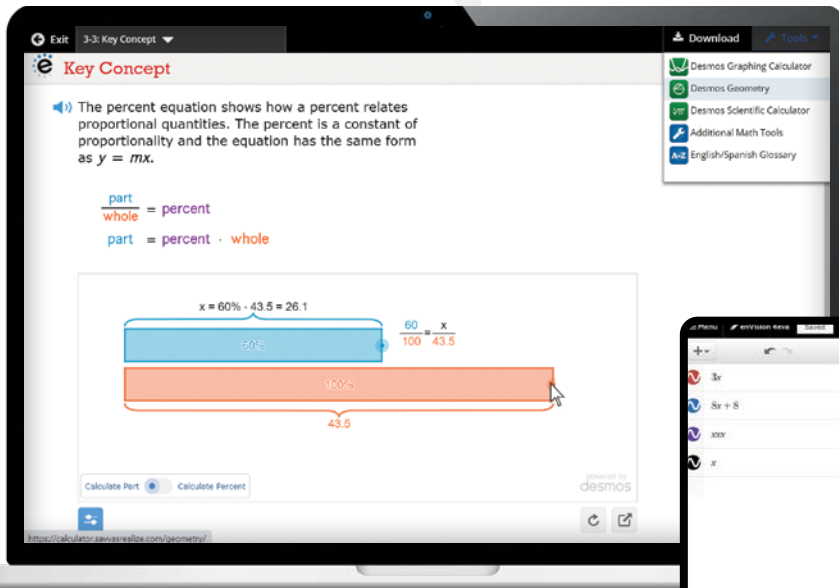
Part A Research different types of water sources and complete the table.

	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?

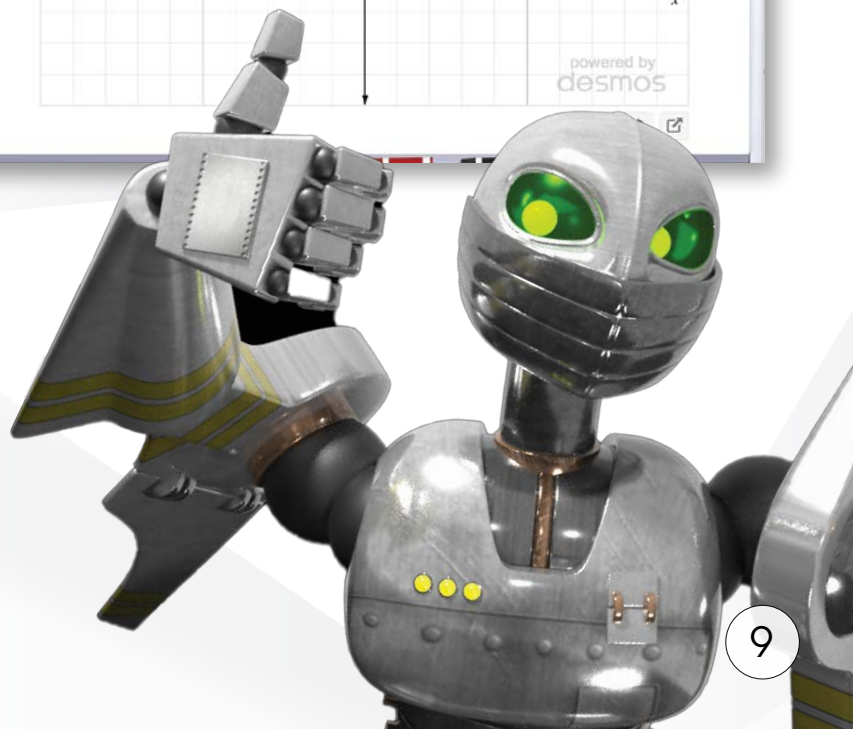
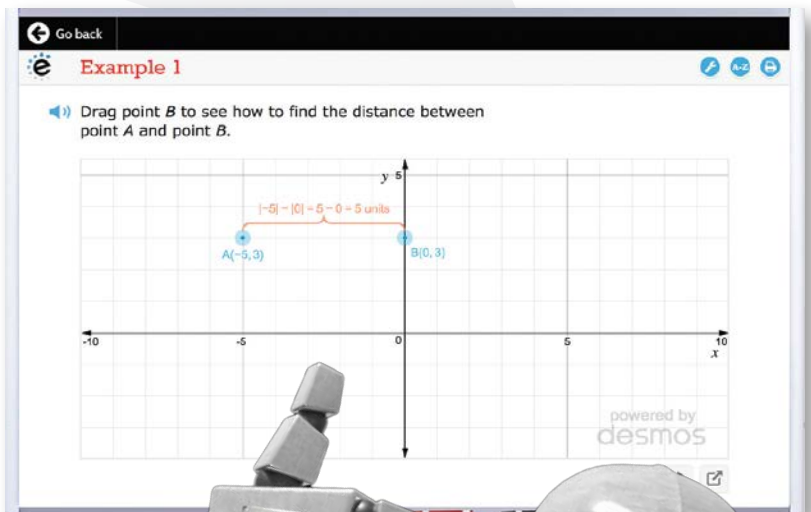
Part C What are some fresh water sources in your state? Are they big enough to supply all your state's water needs?





Embedded Interactivities Powered by Desmos™ Graphing Calculator

- **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 any time.** 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.

Clear, Intentional Lesson Design

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 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

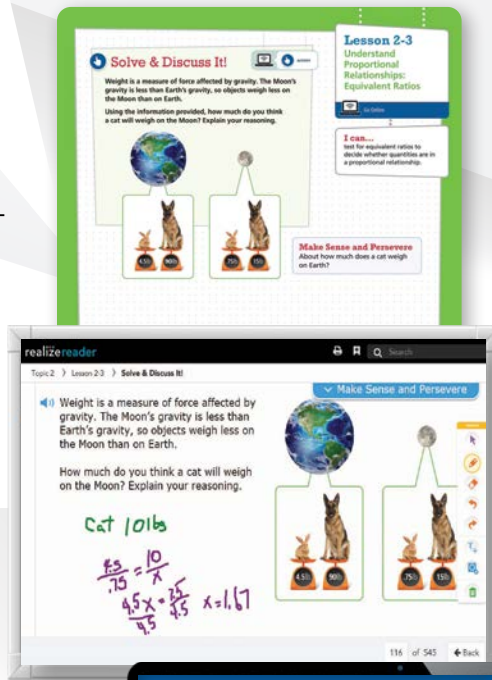
Interactive workspace engages students and encourages active participation in learning.

Language Support Handbook

Topic and lesson-specific instructional support promotes language development including support for academic vocabulary.

English Language Learners

Lessons include a Language Objective and ELL instruction to support different levels of English proficiency aligned with WIDA specifications.



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.

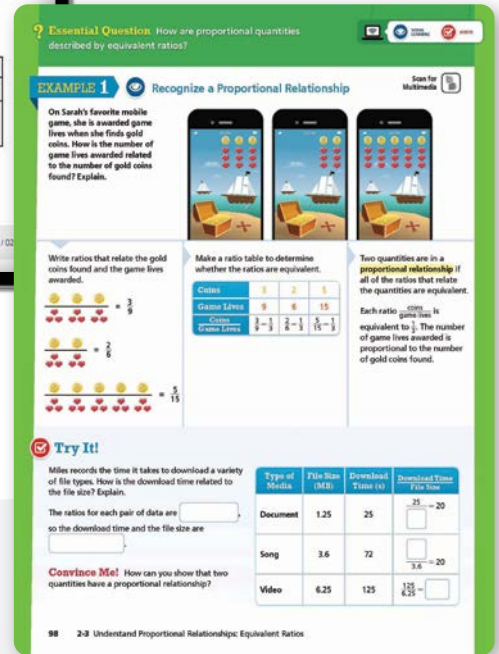
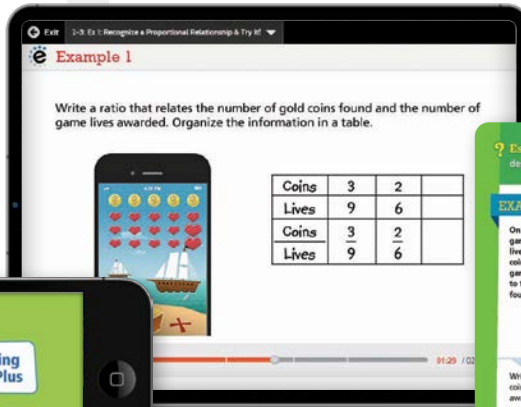
Manipulatives Kits

Allow students to engage in concrete modeling when developing abstract thinking.



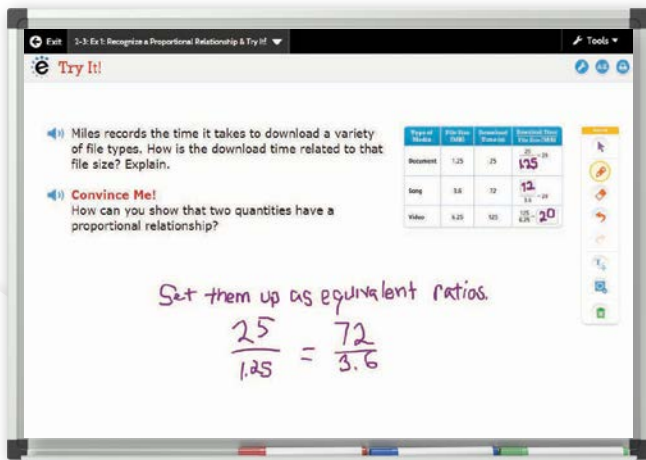
BouncePages

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



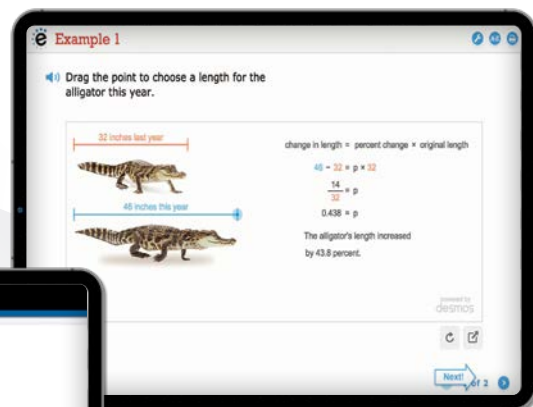
STEP 2 Visual Learning

- 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.



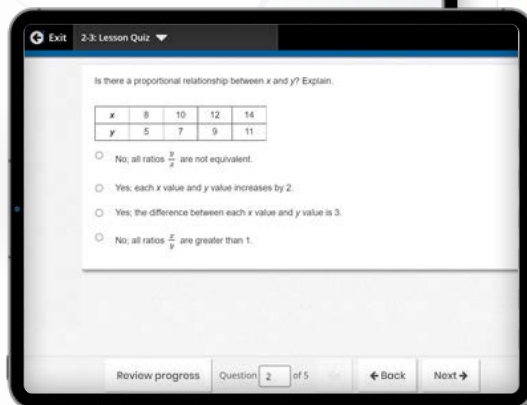
Try It!/Convince Me! Online

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 Oklahoma assessments.



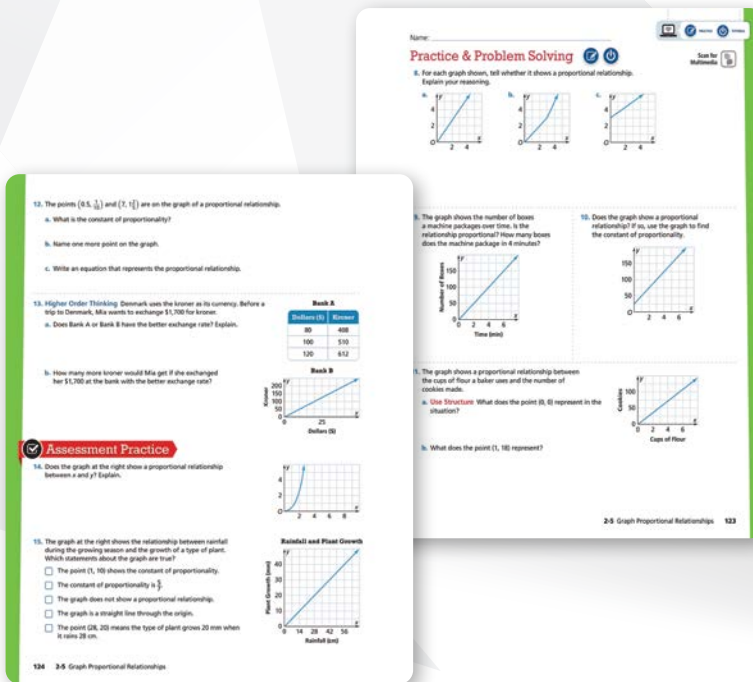
Additional Examples

More examples allow for additional direct instruction options. Digital only examples are also included.

UNDERSTANDING

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 Oklahoma assessments



MathXL® for School: Additional Practice

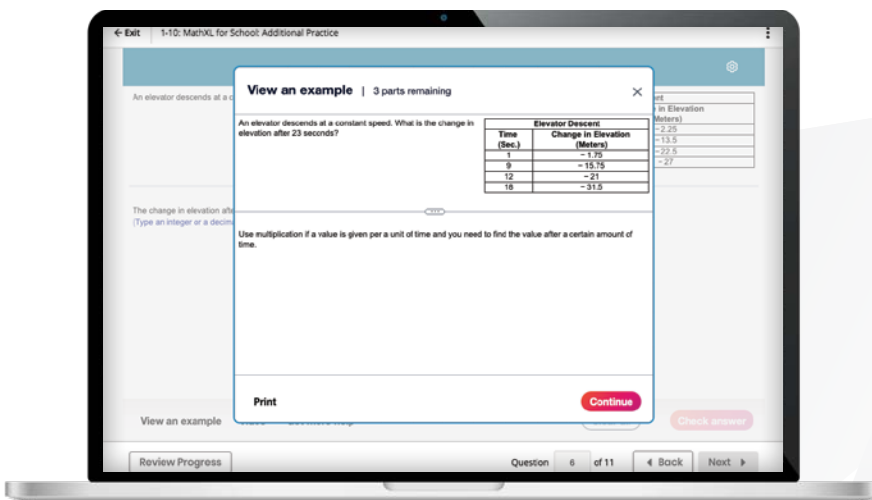
Instant feedback and learning aids help all students be successful.

MathXL® for School: Practice & Problem Solving

Students are engaged as they practice and apply math ideas.

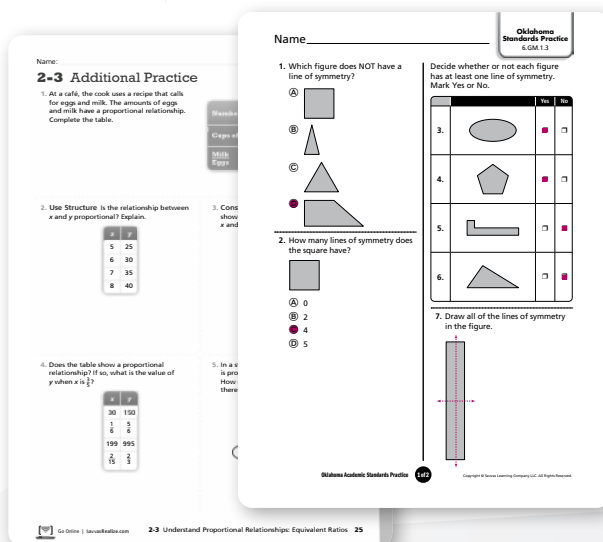
MathXL® for School: Enrichment

Students select tools to personalize their learning.



Additional Practice*

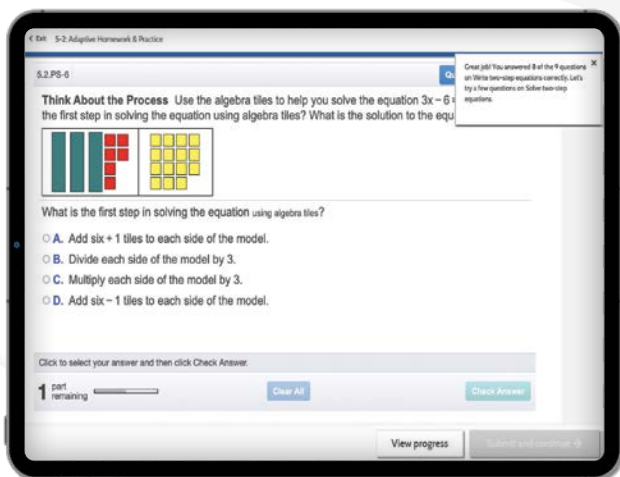
- Leveling allows teachers to personalize skill and problem-solving.
- Reinforce vocabulary and higher-order thinking.
- MathXL® for School practice provides dynamic support for homework. Autoscored.
- Print workbook and online Interactive Realize Reader™ formats.



*Available in Spanish.

Oklahoma Standards Practice

- Provides focused practice for the Oklahoma Academic Standards.
- Prepares students for assessment success.
- Teacher's Guide provides Practice Tests A & B, item-analysis charts, and answer keys.



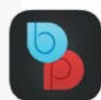
Savvy Adaptive Practice

- Personalized practice in real time focuses on key concepts.
- A brand new, transparent engine informs 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.



Virtual Nerd® Tutorial Videos

- Dynamic Whiteboard™ feature allows students to see diagrams and all the steps.
- Approachable explanations delivered by on-screen instructors.
- English and Spanish closed-captioning.



BouncePages

Launch Virtual Nerd videos from student pages with BouncePages.SavvasRealize.com.

PERSONALIZE LEARNING

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.

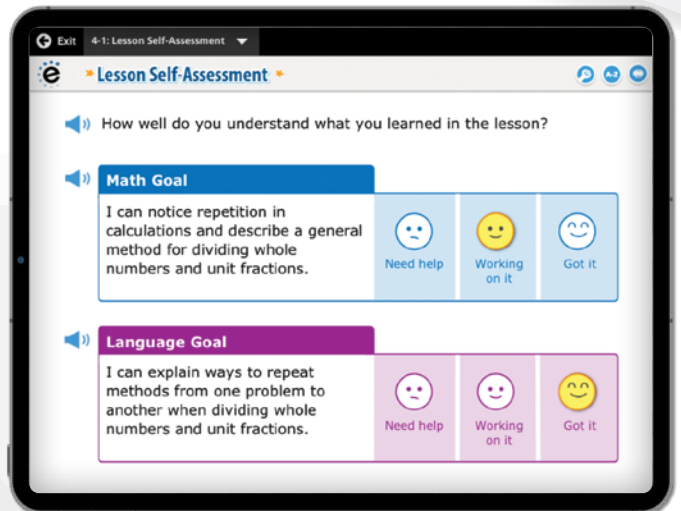
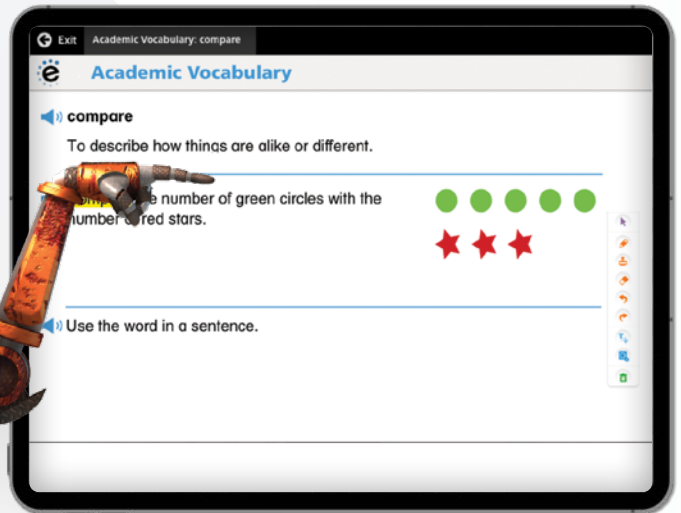
Reading: Read the sample instruction and then discuss and record your responses.

Writing: Write a sentence using the word.

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!

Focus
on Math and
Language
Development

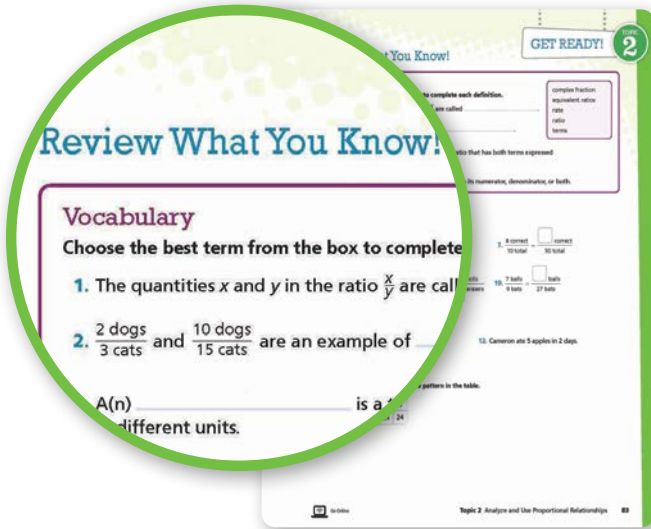


Lesson Self-Assessment

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

Assess to Differentiate

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



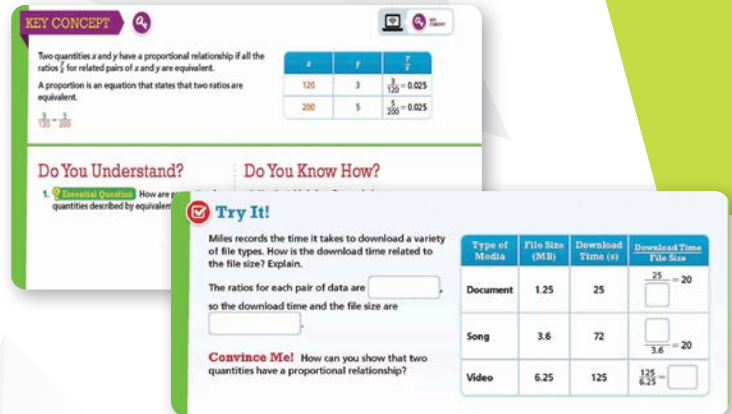
DIAGNOSTIC Assessment

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

FORMATIVE Assessment

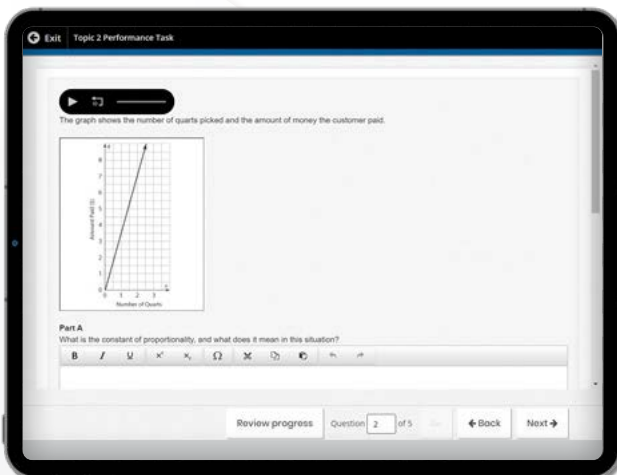


- Try It! and Convince Me!
- Do You Understand?/Do you Know How?
- Lesson Quiz



SUMMATIVE Assessment

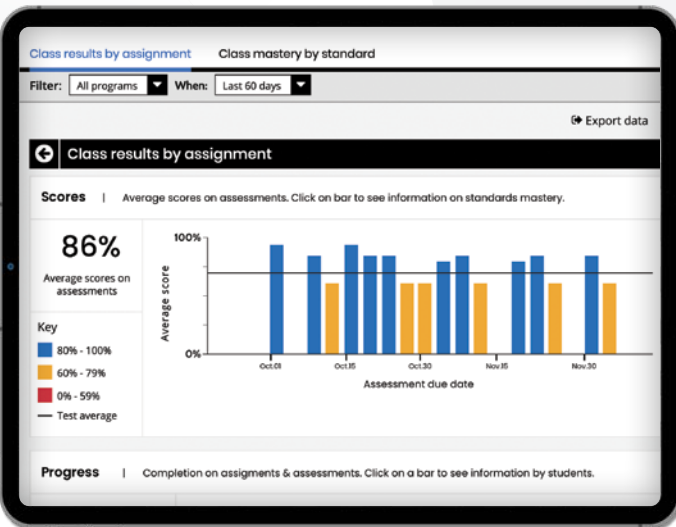
- Topic Assessments (Forms A and B)
- Topic Performance Assessments (Forms A and B)
- ExamView® Test Generator
- Fluency Assessments
- Cumulative/Benchmark Assessments
- Progress Monitoring Assessments (Forms A, B, and C)



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.

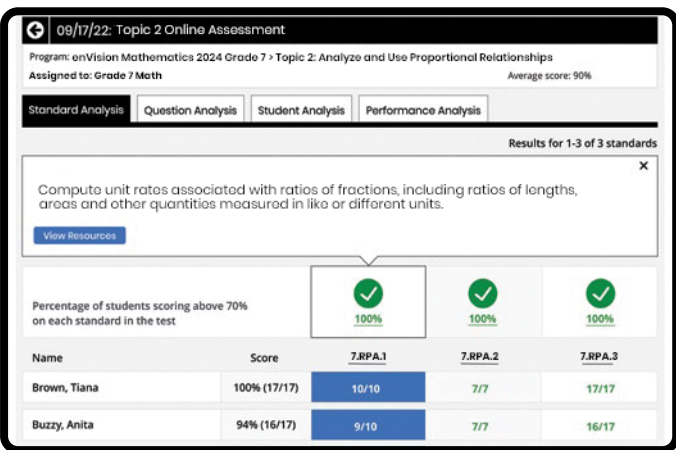


Savvas Math Screener and Diagnostic Assessments (MSDA)

Add the MSDA to your *enVision*® program via the Savvas Realize® platform and collect actionable data to inform instruction for Grades K-8.

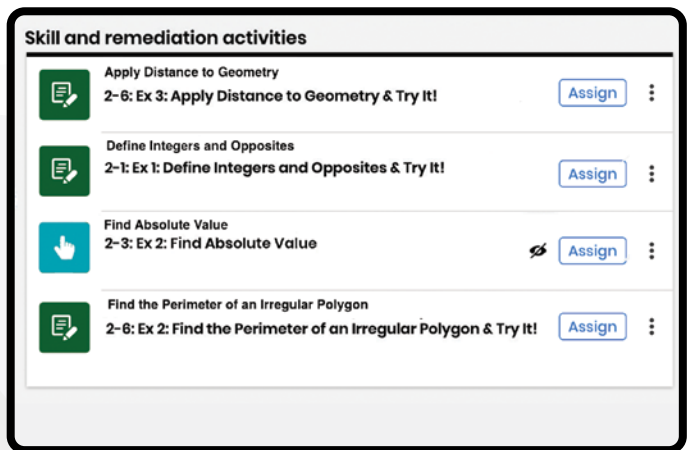
Data Overview

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



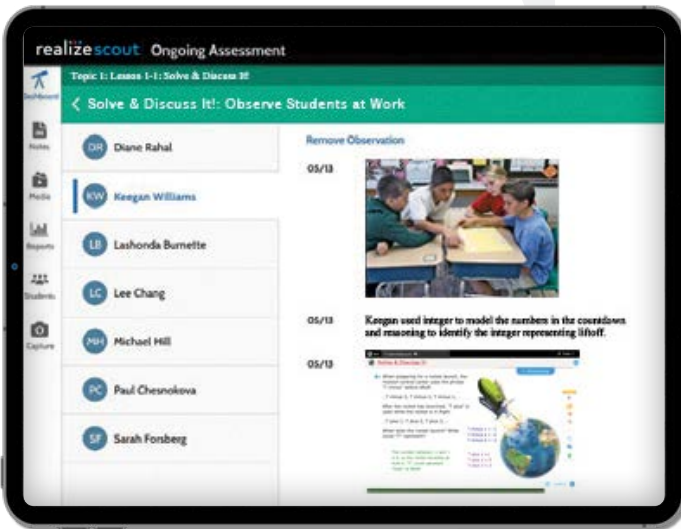
OAS Analysis

In-depth information is provided about student assignments and content mastery.



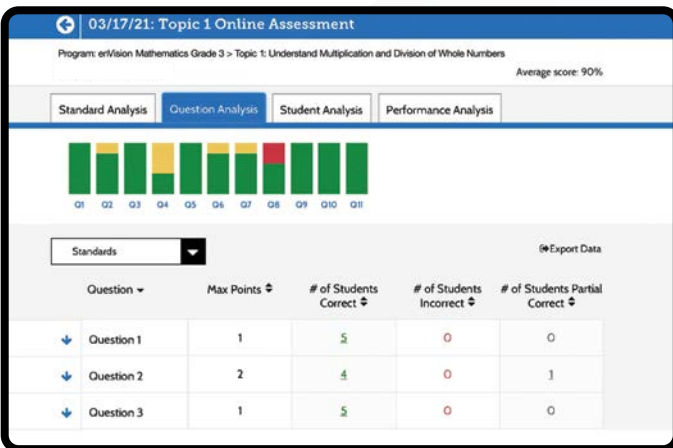
Auto-Assign Differentiation

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



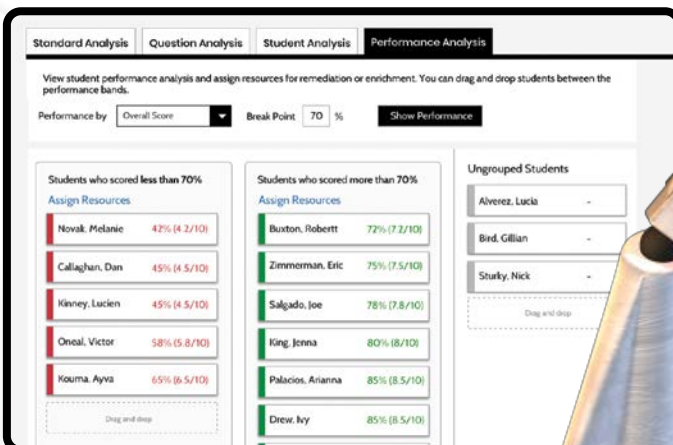
Savvas Realize® Scout Observational Assessment Tool

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



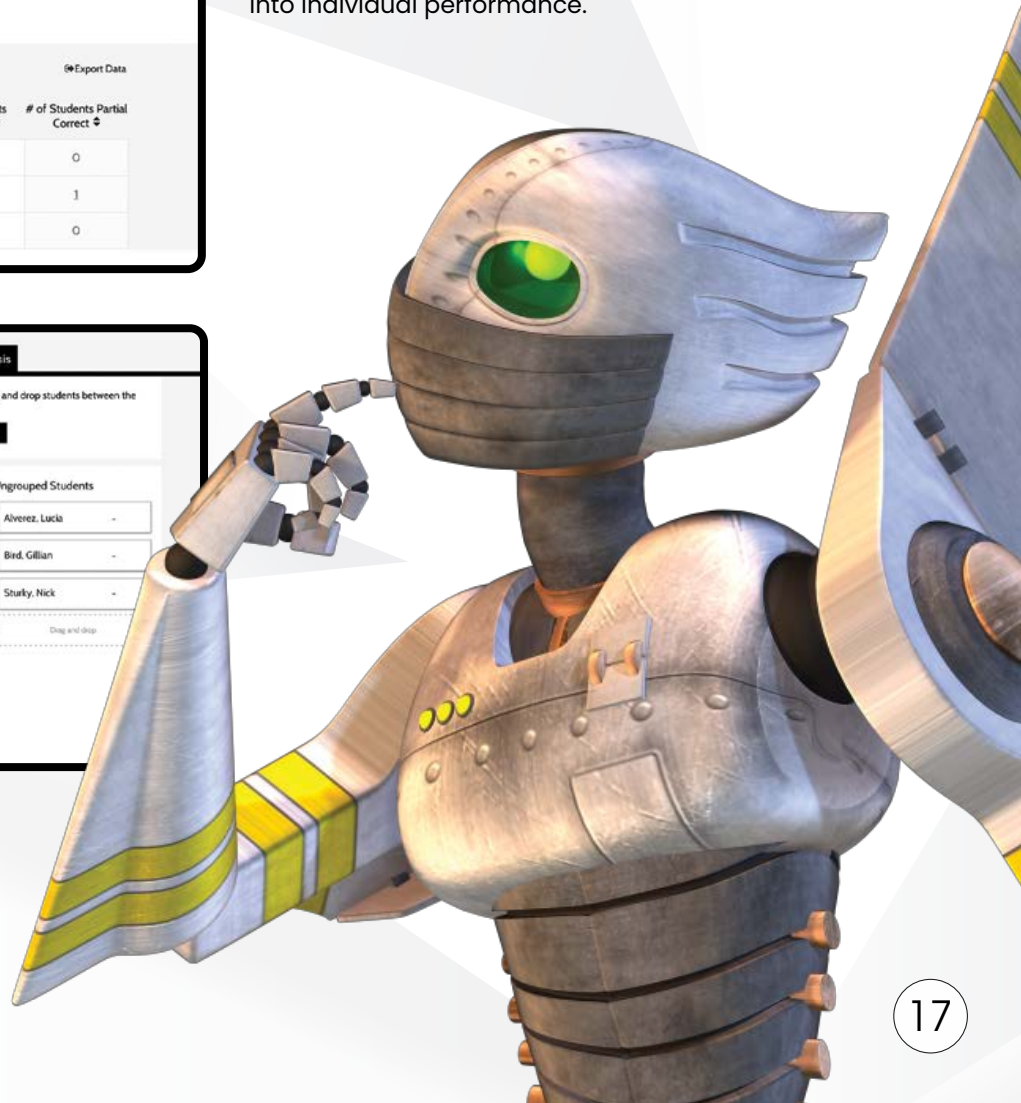
Question Analysis

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 encourage and challenge students of all learning levels.



TARGETED 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

- The fraction $\frac{1}{4}$ is _____ to the decimal 0.25.
- Each egg carton holds 12 eggs. The number of eggs is _____ to the number of egg cartons.
- 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 _____.
- The ratios $\frac{1}{2}$ 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*.

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

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

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

Support for ELL students builds mathematical understanding.

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

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

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

- 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. All a chef, 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 (pints)		$\frac{1}{2}$	$\frac{1}{3}$

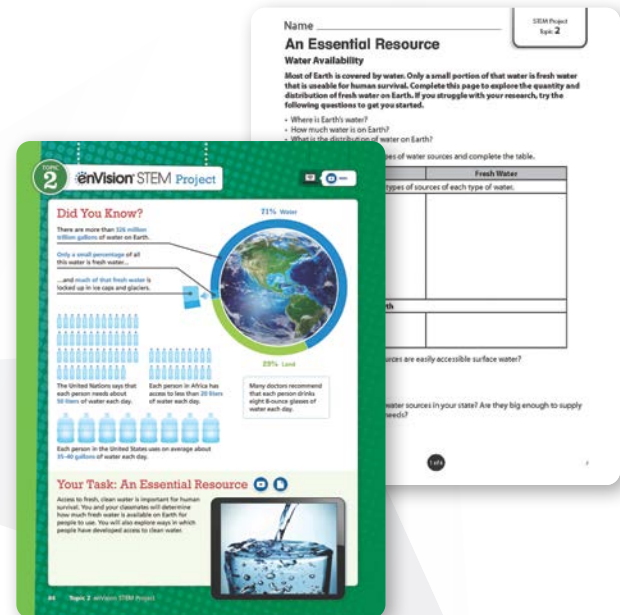
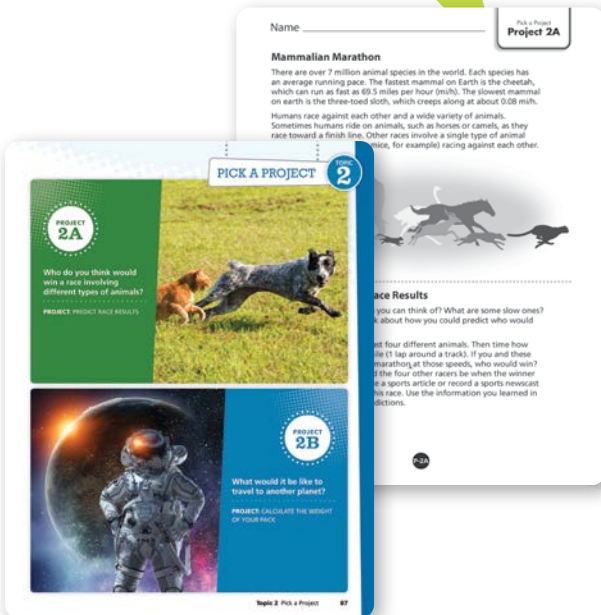
- Use Structure Is the relationship between x and y proportional? Explain.
- Construct Arguments Does the table show a proportional relationship between x and y ? Explain.

x	5	25
y	6	30
	7	35
	8	40

x	2	4
y	4	16
	7	79
	10	100

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

Additional practice pages to reinforce understanding of lesson concepts. Available as print Workbook, online Math XL® for School, Interactive Realize Reader™, and editable Word® Doc.

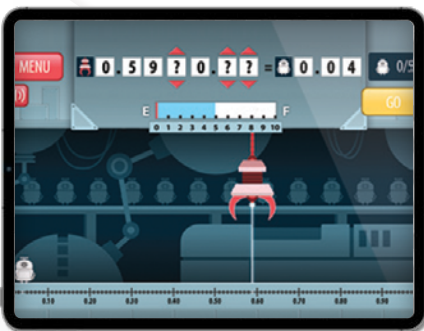


Pick a Project I O A

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

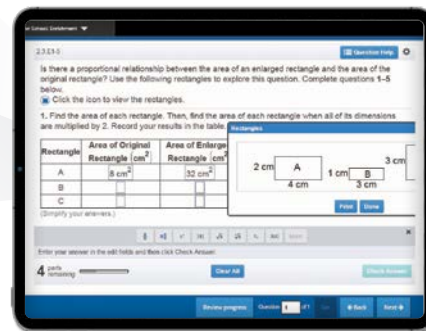
STEM Projects I O A

Projects focus on solving a problem based on real-world applications to demonstrate the value of math.



Technology Center I O A

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



Enrichment O A

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

PERSONALIZE LEARNING

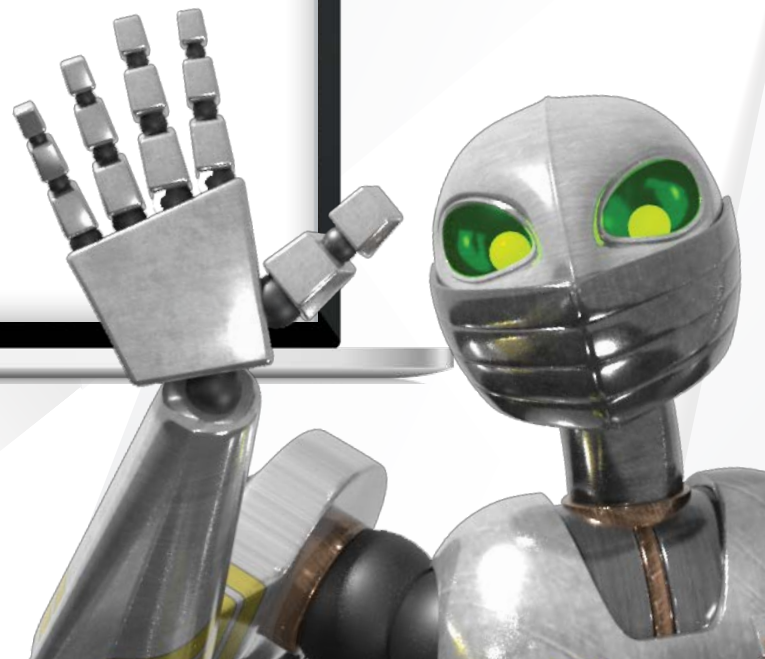
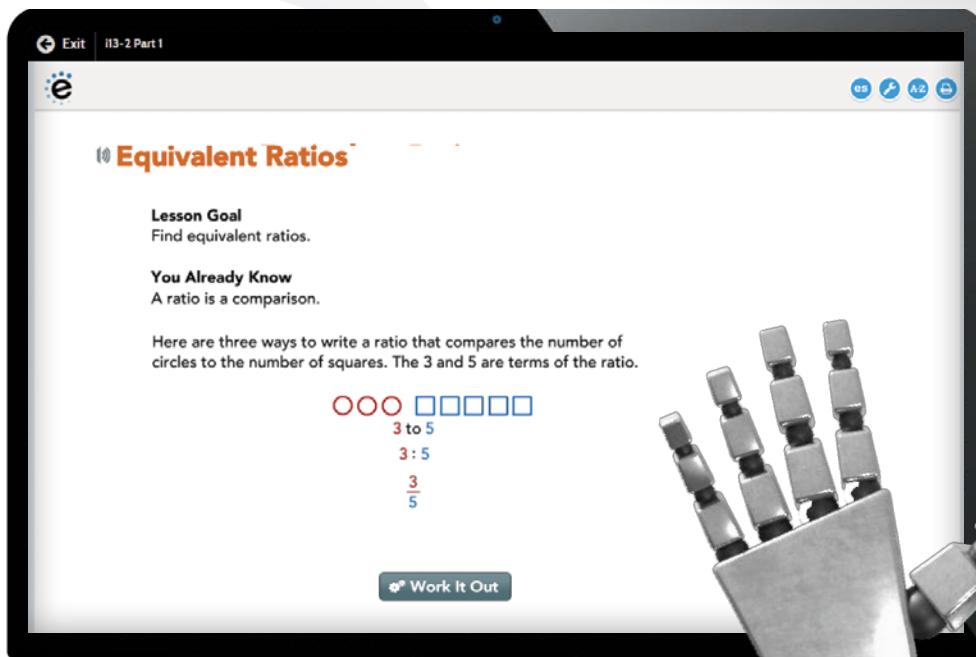


Accelerated Grade 7 program pathway is offered as well.

Complete print and digital accelerated program prepares students for Algebra in Grade 8.

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)

Intervention Lesson: **MP**

Equivalent Fractions (continued)

10. So, $\frac{9}{12}$ is equivalent to three $\frac{1}{4}$ strips. $\frac{9}{12} = \frac{3}{4}$

You can use division to find a fraction equivalent to $\frac{9}{12}$. To do this, divide the numerator and the denominator by the same number.

11. What number is the denominator of $\frac{9}{12}$ divided by to get 4? $\frac{9}{12} = \frac{3}{4}$

12. Since the denominator was divided by 3, the numerator must also be divided by 3. Put the quotient of $9 \div 3$ in the numerator of the second fraction above.

Divide the numerator and denominator of each fraction by the same number to find a fraction equivalent to each.

13. $\frac{2}{3} = \frac{4}{6}$ 14. $\frac{3}{4} = \frac{6}{8}$

If the numerator and denominator cannot be divided by anything else, then the fraction is in simplest form.

15. Is $\frac{1}{2}$ in simplest form? 16. Is $\frac{4}{8}$ in simplest form? 17. $\frac{1}{2} = \frac{2}{4}$ 18. $\frac{10}{15} = \frac{2}{3}$ 19. $\frac{2}{3} = \frac{4}{6}$

20. $\frac{7}{10} = \frac{14}{20}$ 21. $\frac{1}{4} = \frac{2}{8}$ 22. $\frac{1}{11} = \frac{2}{22}$

Write each fraction in simplest form.

23. $\frac{3}{6}$ 24. $\frac{1}{2}$ 25. $\frac{3}{5}$ 26. $\frac{1}{24}$

27. **Reasoning** Explain why $\frac{1}{2}$ is not in simplest form.

MP Student p. 21

Intervention Lesson: **MP**

Equivalent Fractions

Materials crayons or markers

1. Show $\frac{2}{3}$ by coloring 2 of the $\frac{1}{3}$ strips.

2. Color as many $\frac{1}{3}$ strips as it takes to cover the same region as the $\frac{2}{3}$.

How many $\frac{1}{3}$ strips did you color? $\frac{2}{3} = \frac{2}{3}$

3. So, $\frac{2}{3}$ is equivalent to four $\frac{1}{6}$ strips. $\frac{2}{3} = \frac{4}{6}$

You can use multiplication to find a fraction equivalent to $\frac{2}{3}$. To do this, multiply the numerator and the denominator by the same number.

4. What number is the denominator of $\frac{2}{3}$ multiplied by to get 6? $\frac{2}{3} = \frac{4}{6}$

5. Since the denominator was multiplied by 2, the numerator must also be multiplied by 2. Put the product of 2×2 in the numerator of the second fraction above.

Multiply the numerator and denominator of each fraction by the same number to find a fraction equivalent to each.

6. $\frac{1}{2} = \frac{2}{4}$ 7. $\frac{1}{3} = \frac{2}{6}$

8. Show $\frac{1}{2}$ by coloring 9 of the $\frac{1}{2}$ strips.

9. Color as many $\frac{1}{2}$ strips as it takes to cover the same region as $\frac{1}{2}$.

How many $\frac{1}{2}$ strips did you color? $\frac{1}{2} = \frac{1}{2}$

MP Student p. 11

EQUIVALENT FRACTIONS Intervention Lesson: **MP**

Equivalent Fractions

Objective Students will find equivalent fractions.

Vocabulary Numerator, denominator

Materials Crayons or markers

1 Conceptual Development Use with Exercises 1-5.

In this lesson you will learn to find equivalent fractions. Before you use fraction strips to identify equal fractions, show the fraction strip for the target fraction (conceptual) $\frac{2}{3}$, $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$, $\frac{1}{5}$. Then students complete Exercises 1-5. Explain that students can use multiplication to find an equivalent fraction. To do this, multiply the numerator and the denominator by the same number. What do you multiply 3 by to get 6? What will you multiply the numerator 2 by? Have students complete Exercises 6-7. After operations to the opposite of multiplication, $\frac{2}{3} = \frac{4}{6}$. Explain that students will divide the numerator and denominator by the same number to find an equivalent fraction. Have students complete Exercises 8-13.

2 Practice Use with Exercises 13-27.

Students have to self-reflect to multiply or divide to find the equivalent fraction. Explain that if the number in the new fraction is greater, then multiply. If it is less, then divide.

Error Intervention If students have difficulty finding equivalent fractions, have them write the equivalent fraction and explain how they found the equivalent fraction.

If You Have More Time Have students write a set of the equivalent fractions by multiplying or dividing by the different numbers.

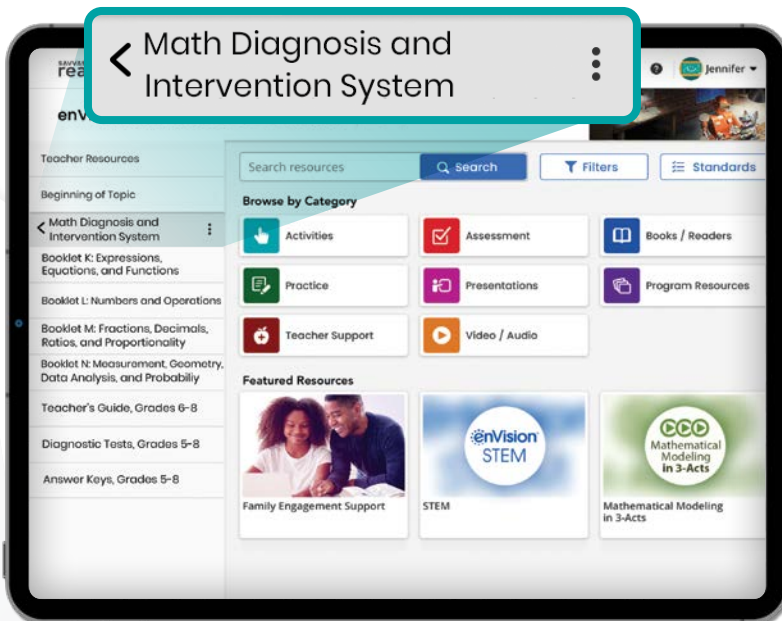
3 Assessment

In this lesson, students learned to find equivalent fractions. Use the **Quick Check** problem to assess student understanding.

Quick Check Write the equivalent fraction $\frac{2}{3} = \frac{4}{6}$.

MP Student p. 11

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

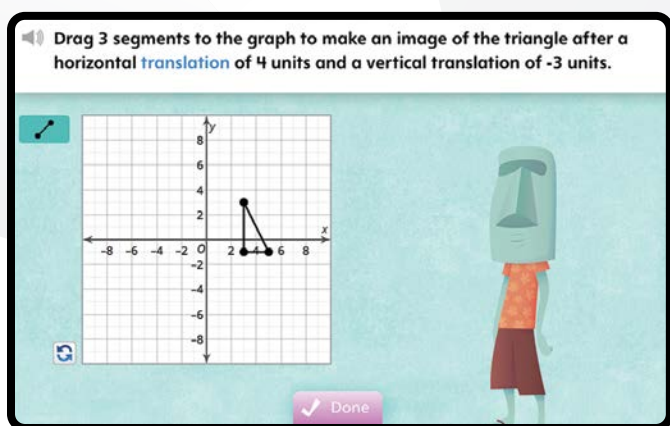


- **Diagnostics** Use the diagnostic tests in the system. Also, use the item analysis charts given with program assessments at the start of a grade or Topic, or at the end of a Topic, group of Topics, or the year.
- **Intervention Lessons** These two-page lessons include guided instruction followed by 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.

Looking for an Adaptive and Intensive Intervention Solution?

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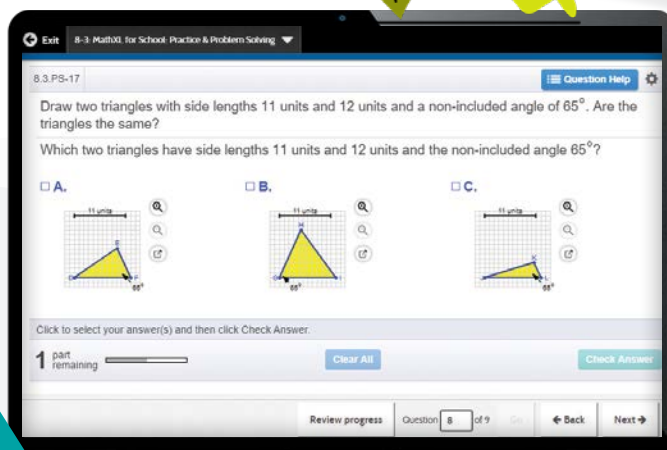


TIER 3: SuccessMaker
Adaptive Learning



SuccessMaker calibrates with every question:

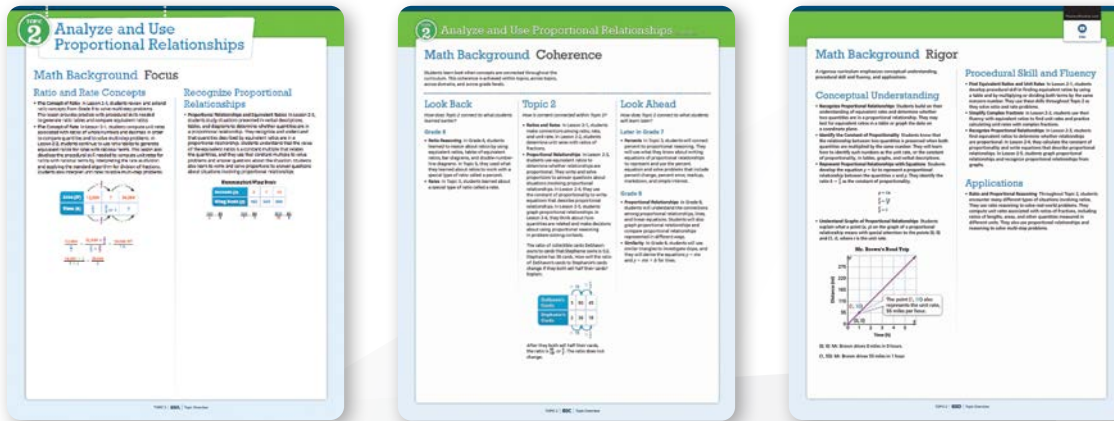
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- Identifies specific Topics in *enVision Mathematics* for remediation.
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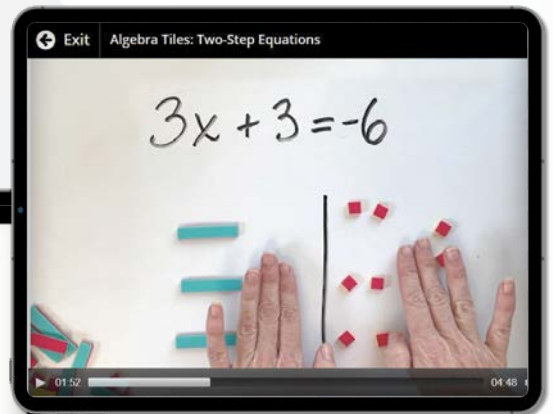
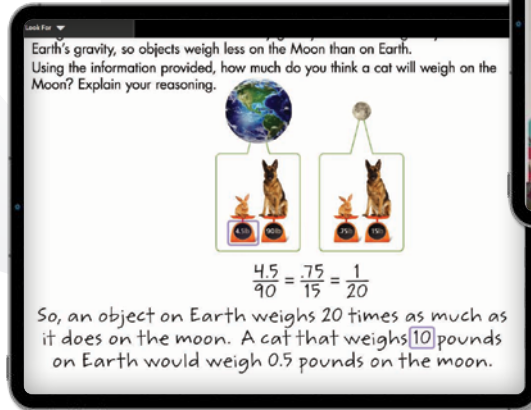
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Managing Classes

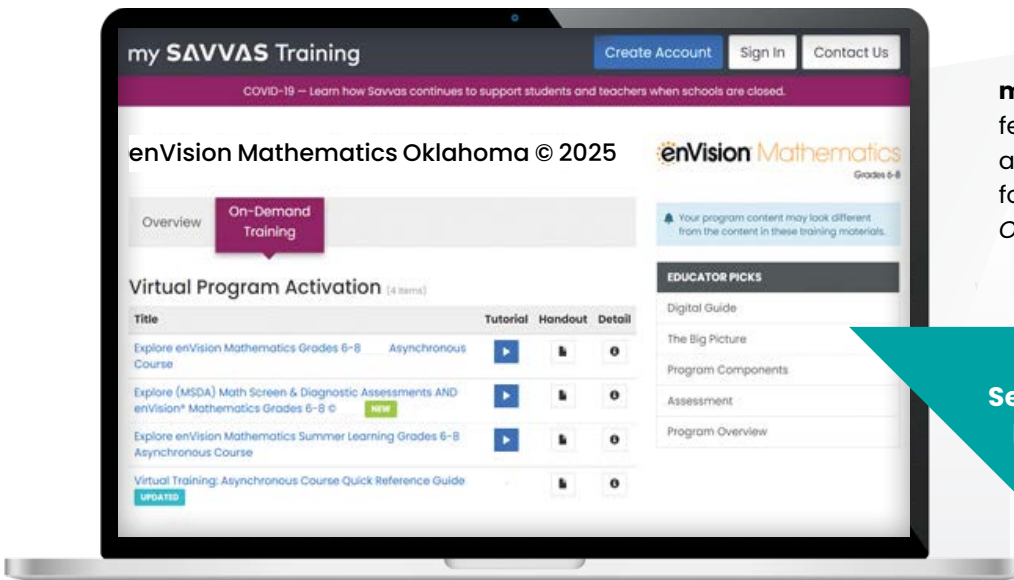


Classroom and Professional Learning on SavvasRealize.com give important perspectives on math concepts and show the program in action.

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



Using Manipulatives Videos offer teacher tutorials and guidance to engage students in concrete modeling.



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

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Support Math Learning at Home

Family Engagement materials provide teachers with easy-to-share tools that inform students' support networks. Compatibility with Google Translate™ allows for translation into more than 100 languages!

Name _____

Date _____


Family Engagement Letter

Dear Family,

Your child's login on SavvasRealize.com contains family resources you can use to help your child succeed in mathematics and to help you better understand the organization of **enVision® Mathematics**.

Look for an overview, benchmark explanations and examples, topic support, math help at home pages that include sample problems and home activities, visual learning, games, videos, and so much more.

Sincerely,



Family Engagement Letter

Families are provided with an overview of the Family Engagement resources available on SavvasRealize.com.


TOPIC 1

Use Rational Number Operations

In this topic, your student will extend what they know about operations with integers to expressions with negative fractions and decimals. Your student will also write and evaluate expressions with whole-number exponents and apply the Laws of Exponents.

CONNECT THE MATH

Operations with fractions and decimals are common in many daily activities, especially in measurement. Recipes and nutritional information on food packaging often use fractions, as do many tools including wrenches and screws. Decimals are not only used in financial transactions, but the odometer and radio in a car often use displays with decimals. The play bar on videos can show hours, minutes, and seconds which are another opportunity to talk about parts of a whole and the amount of time elapsed or remaining. Look for opportunities to point out fractions, mixed numbers, and decimals in your daily routines and talk about what actions would represent thinking about a number as a negative amount.



Topic Support

The Topic overview gives families a preview of upcoming content with visuals to support understanding.

LESSON 1-1

Write Rational Numbers in Equivalent Forms

Rational numbers expressed as fractions can be written as decimals by dividing the numerator by the denominator.

LESSON OBJECTIVES

- Identify rational numbers
- Convert rational numbers expressed as fractions to terminating or repeating decimals

HOW CAN YOU HELP WITH HOMEWORK

Review Lesson Content

Watch and share these video tutorials with your student:

- How do you turn a fraction into a terminating decimal?
- What's a rational number?

Review Key Vocabulary

Review key vocabulary from this lesson in your student's glossary:

- repeating decimal
- terminating decimal

You can use the search terms and phrases to help your student find additional help online:

- write fractions in decimal form
- write decimals as mixed numbers

Lesson-Level Support

Families are provided with video tutorials and vocabulary review that support standards.



Accelerated Grade 7 Resources

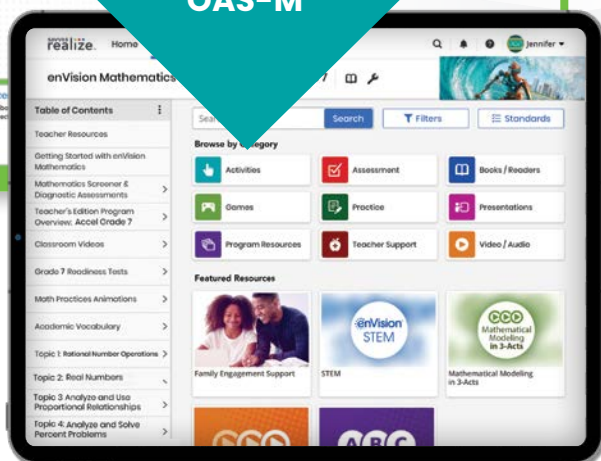
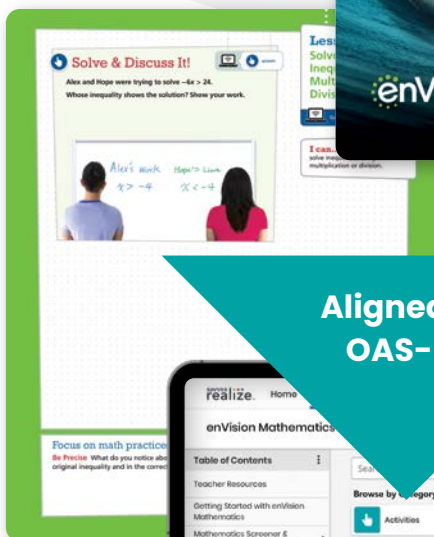
Does your school implement an accelerated math pathway? *enVision*[®] *Mathematics Accelerated Grade 7* prepares students for Algebra in Grade 8.

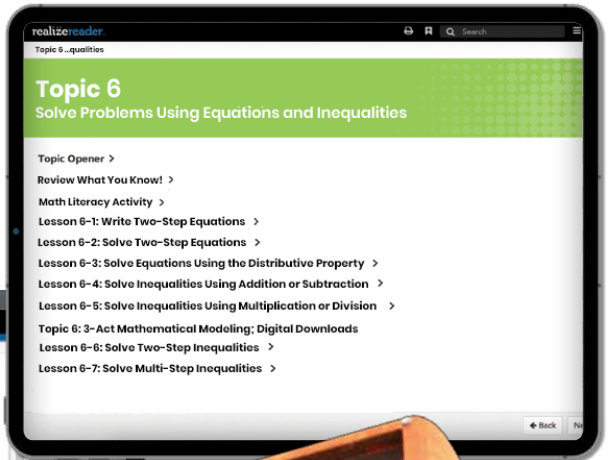
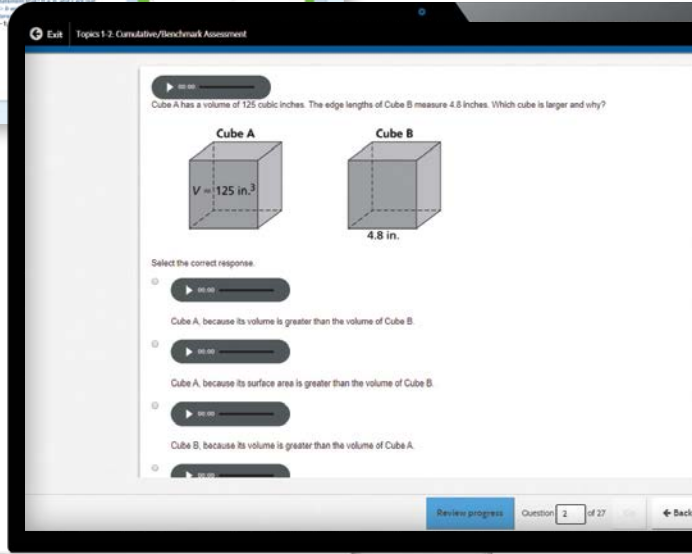
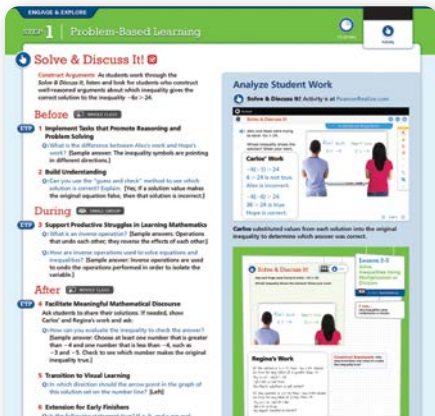


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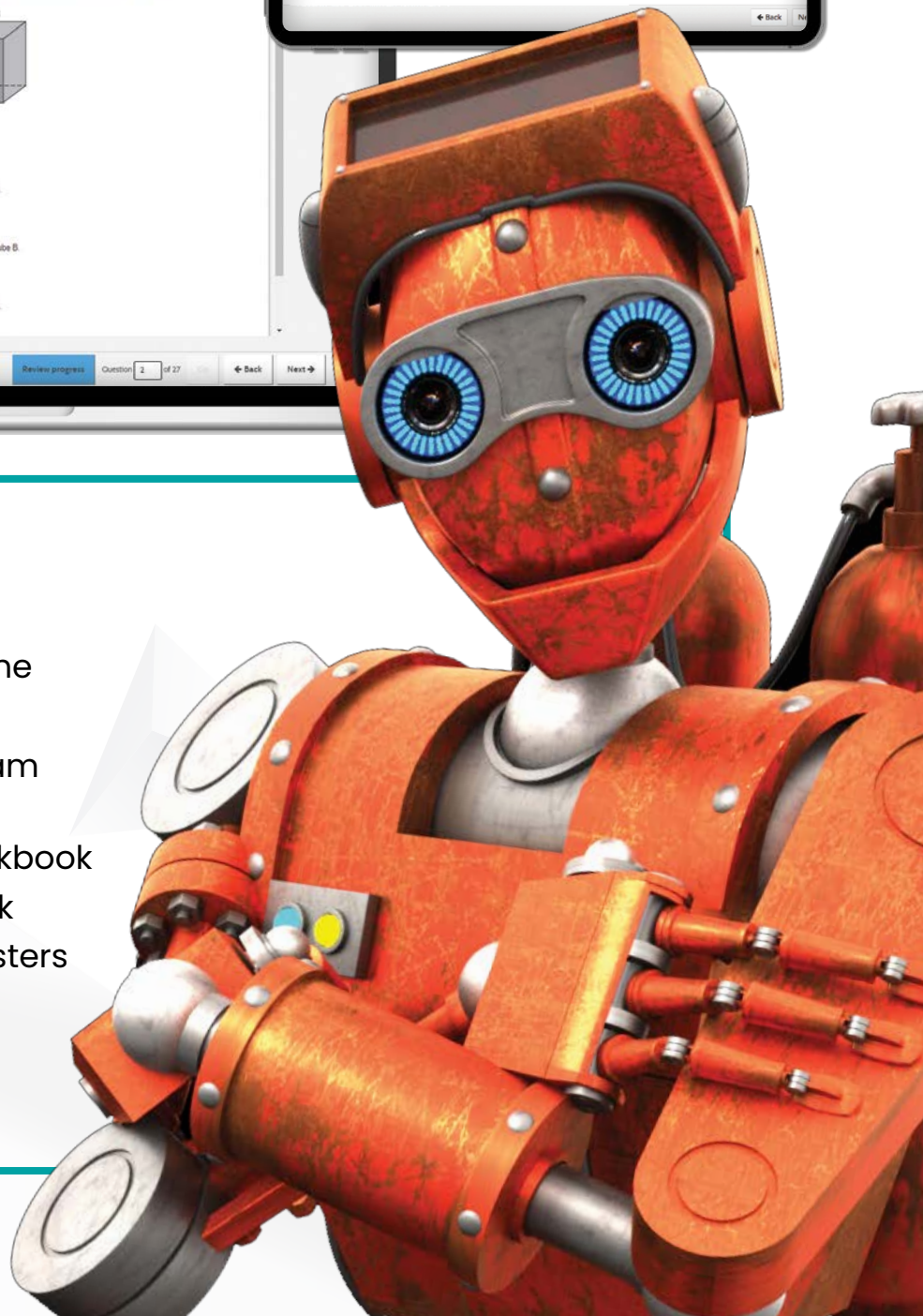
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Components:

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



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