

Program Overview, Grade K-5



enVision[®] Mathematics

Kids See the Math. Teachers See Results.

Please Note: your program screens may look different from the images in these training materials due to our rebrand to Savvas Learning Company.

enVision[®] Mathematics

©2020

Kids See the Math. Teachers See Results.

You're going to love what you see. The new **enVision[®] Mathematics ©2020** helps develop deep conceptual understanding, assess learning, and use student data to inform instruction.



It Works in Every Classroom.

Made for Blended, Print, or Digital Delivery

1

Understanding

Problem-based Learning and Visual Learning help kids see the math and deepen conceptual understanding.

2

Assessment

Formative and summative assessments drive differentiated instruction.

3

Instructional Support

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



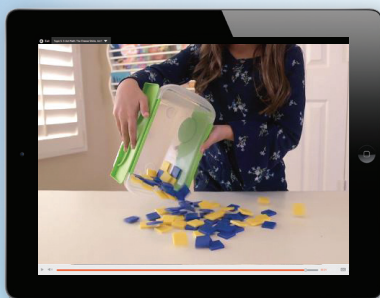
See What They Can Do

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

3-Act Math

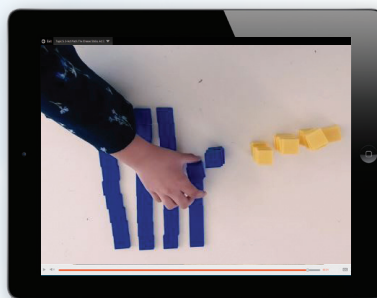
Build students' confidence to think mathematically and solve problems on their own.

ACT 1: THE HOOK



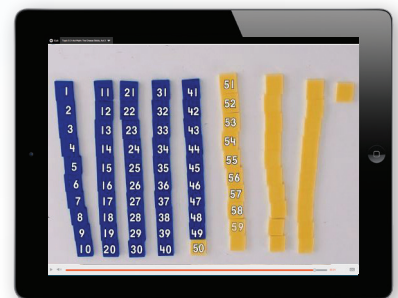
A video or photo hooks students with the task and provokes questions.

ACT 2: THE MODEL

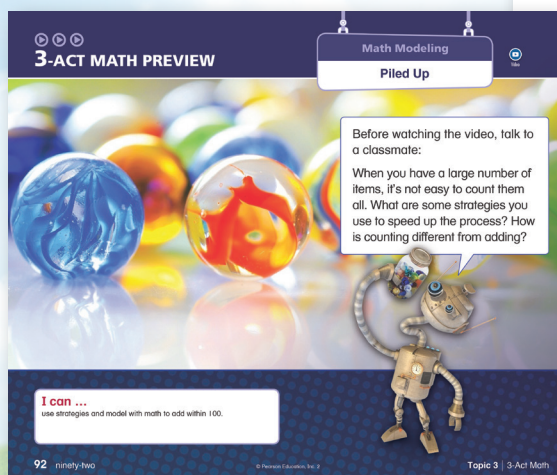


Students develop mathematical models to arrive at a solution that makes sense to them.

ACT 3: THE RESOLUTION



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



BouncePages

Launch 3-Act Math videos from the student page with the free BouncePages app.

Name _____ Teaching Tool 32

3-ACT MATH Recording Sheet

ACT 1

1. What questions do you have?

2. Predict a reasonable answer to the Main Question. Explain your prediction.

3-Act Math Recording Sheet 1 of 3

Focus on Mathematical Modeling

- **3-Act Math Preview** poses mathematical questions and generates interest.
- **3-Act Math Recording Sheets** organize students' thinking to actively develop a model.

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

Name _____

Pick a Project

PROJECT 5A
How many books are in a library?
Project: Design a Library

PROJECT 5B
How would you use number cubes?
Project: Make a Multiplication Game

PROJECT 5C
Would you rather ride a bike or a "trike"?
Project: Create a Bike Chart

Topic 5 | Pick a Project 167

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)

	Varied Engaging Contexts	Varied Activity Modalities	Varied Final Products
5A	Books	Design	Data table
5B	Number cubes	Make	Game
5C	Wheels	Collect	Chart

Name _____

Pick a Project
Project 5A

Go By the Book

The George A. Smathers Libraries are part of the University of Florida. They are one of the largest college library systems in the country. Smathers Libraries have more than 5 million books. They also have 8 million pages online.

The library system is named after George Smathers. He was a U.S. senator from 1951 until 1969.

Your Project: Design a Library

You will design a class library. Choose 7 book types for the library. Some book types are mystery, graphic novels, and science fiction.

Pretend that your library has 205 books. Each book type will have its own bookcase.

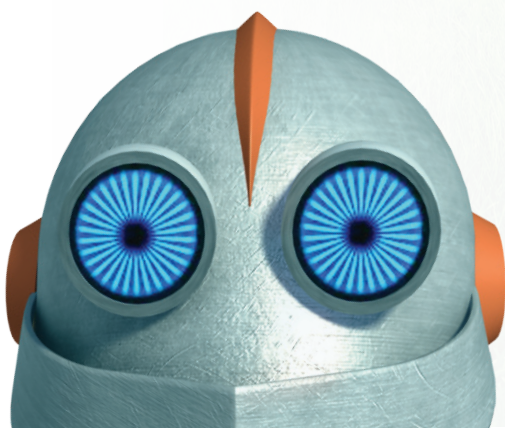
Set up your library any way you want, but follow these rules:

- Each bookcase must have at least 4 shelves. Each shelf must hold at least 5 books.
- Shelves within a bookcase must have the same number of books.
- No more than 2 bookcases can have the same number of books.

Make a table that shows the number of books on each bookshelf. Make sure all 205 books are on a shelf!

Pick a Project P-5A

Student
Choice,
Differentiation,
Open-Ended
Rich Tasks



UNDERSTANDING

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 and Differentiate

STEP 1

Problem-based Learning

Solve & Share

Introduce concepts through a problem-solving experience. Facilitate rich classroom conversations that promote a growth mindset and result in deeper conceptual understanding.



Language Support

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

LANGUAGE SUPPORT

Lesson Language Objective Recall facts and strategies and write or draw to show how they are used to solve multiplication problems.

ENGLISH LANGUAGE LEARNERS

Use with the Solve & Share.

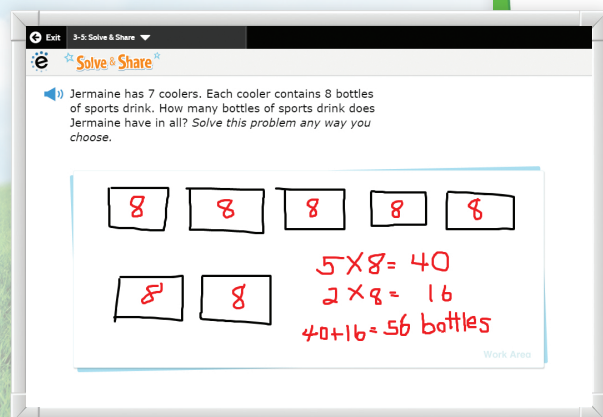
Writing

Review the terms *in all* and *array*. Use the terms as you discuss how to solve how many bottles of sports drink Jermaine has.

Read the question. Ask students *How many coolers does Jermaine have?* [7] *How many bottles of sports drinks are in each cooler?* [8]

Entering Ask students to read the question aloud and complete this sentence stem: "To find the product of 7×8 is to group 8s _____ times."

Emerging Ask students to list and review the 8s multiplication facts with a partner. _____ complete this sentence



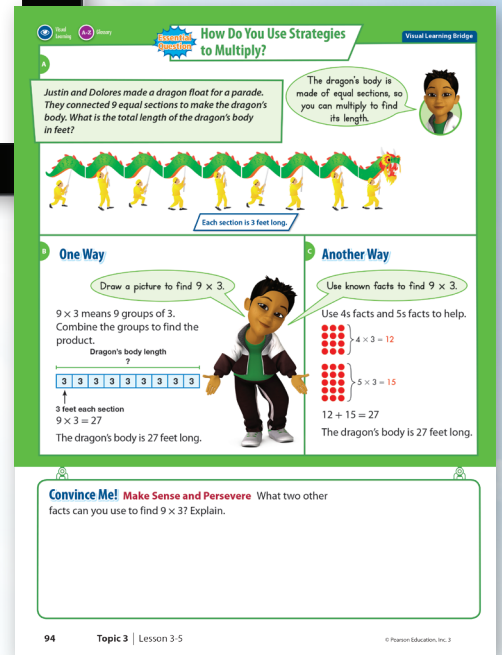
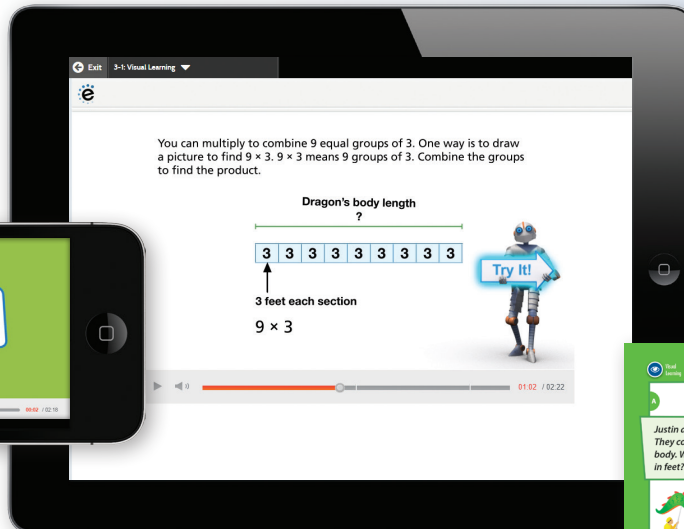
Solve & Share Online

The digital workspace engages students and encourages interactive learning experiences.

Available
in Spanish



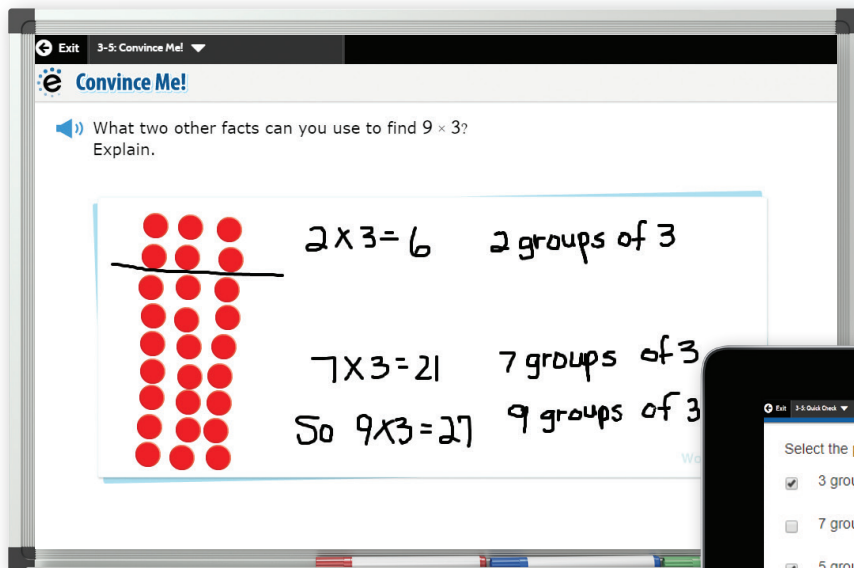
Launch Visual
Learning Animations
from the student page with
the free BouncePages app.



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 inform decision-making.



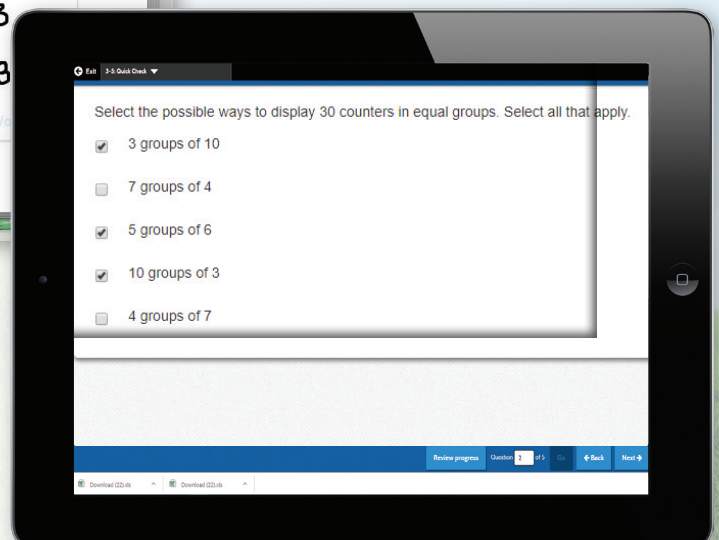
Convince Me!

Explain, justify, use reasoning.
Promote class discussion.

STEP 3

Assess and Differentiate

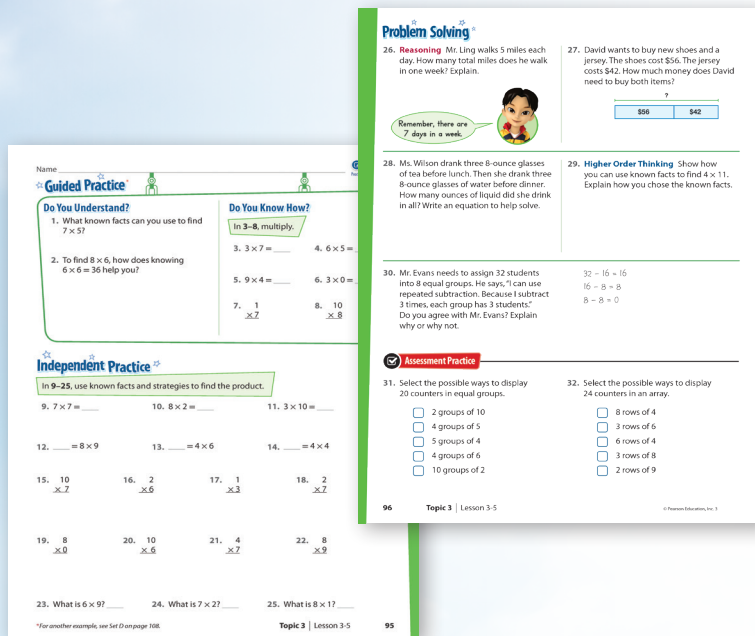
Lesson Quick Check helps prescribe
differentiated instruction.



UNDERSTANDING

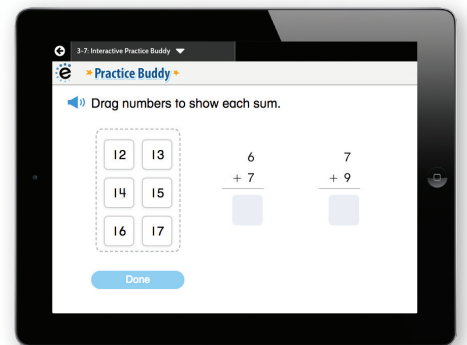
Practice with a Purpose

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



Independent Practice and Problem Solving

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



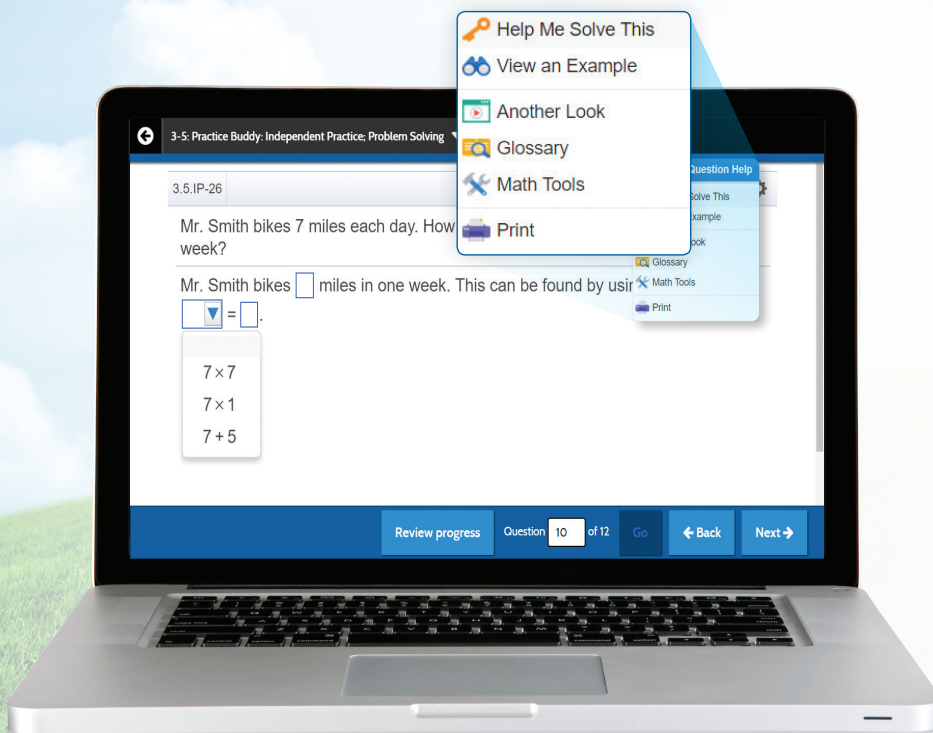
Interactive Practice Buddy (Grades K-2)

Students are engaged as they practice and apply math ideas.

Practice Buddy MathXL® for School (Grades 3-5)

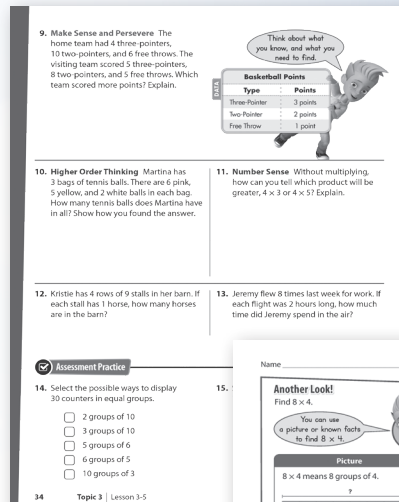
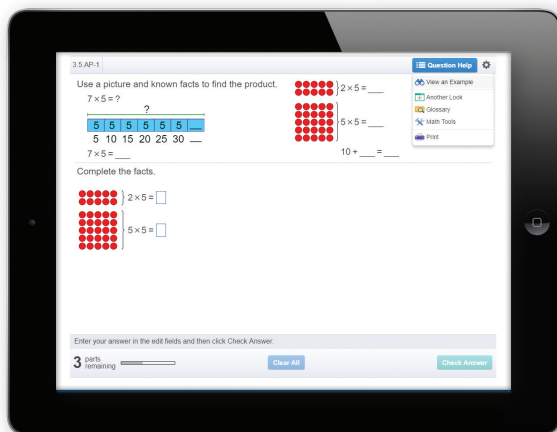
Instant feedback and learning aids help all students be successful.

Interactive Practice Buddy (Grades K-2) and Practice Buddy MathXL for School (Grades 3-5) are also available in Spanish.

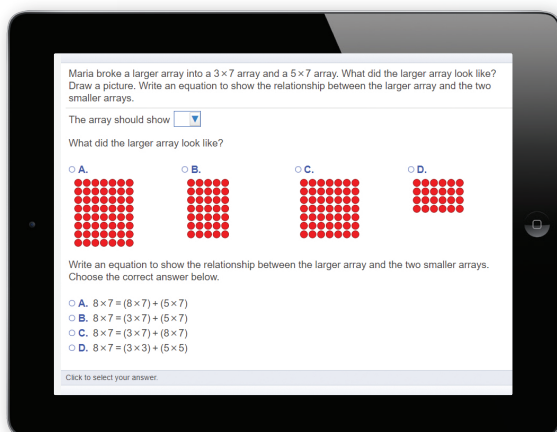
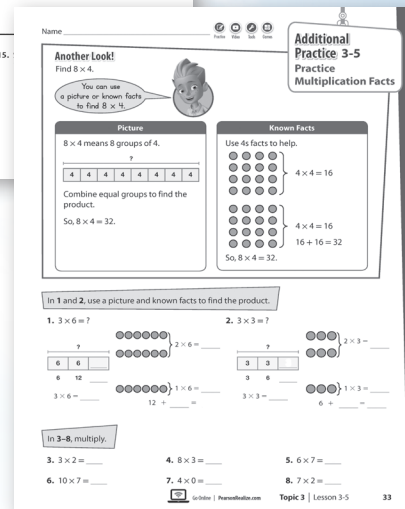


Additional Practice

- Leveling allows teachers to personalize skill and problem-solving practice.
- Reinforce vocabulary and higher-order thinking.
- Practice Buddy MathXL® for School (Grades 3-5) provides dynamic support for homework. Autoscored.
- Assign print workbook or online interactive eText practice.



Available
in Spanish.



Adaptive Practice

- Easy to assign, instant access!
- Assign from the Lesson Table of Contents for Grades 3-5. No need to go to an outside website or additional resources.
- Remediation occurs for the skills taught that day. Delivers both instruction and practice automatically in real time.
- Pinpoints the right grade-level and prerequisite skill.

Another Look Homework Video

Online help presents a new example as a lesson refresh. Great for parents too!



BouncePages

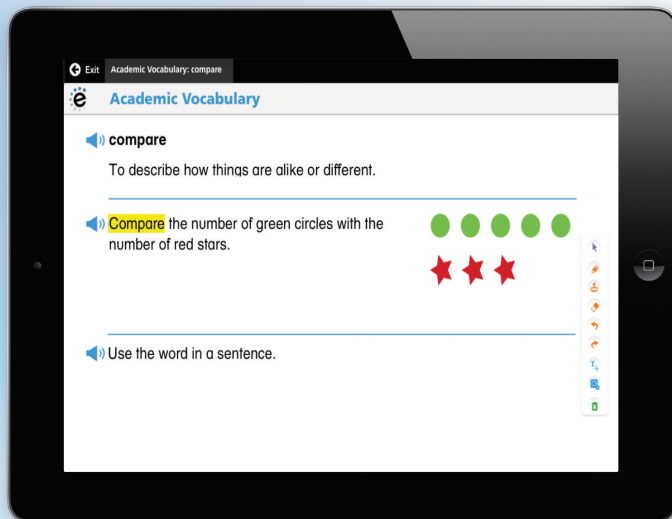
Launch Another Look videos from the student page with the free BouncePages app.



UNDERSTANDING

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!



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 partners.

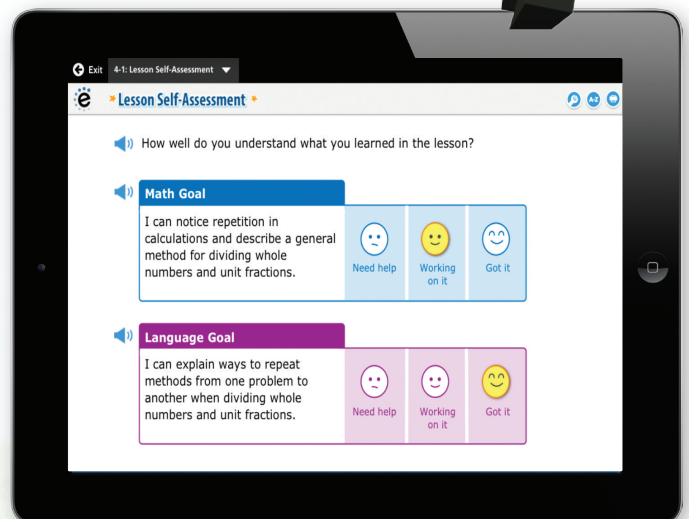
Vocabulary Routine

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.

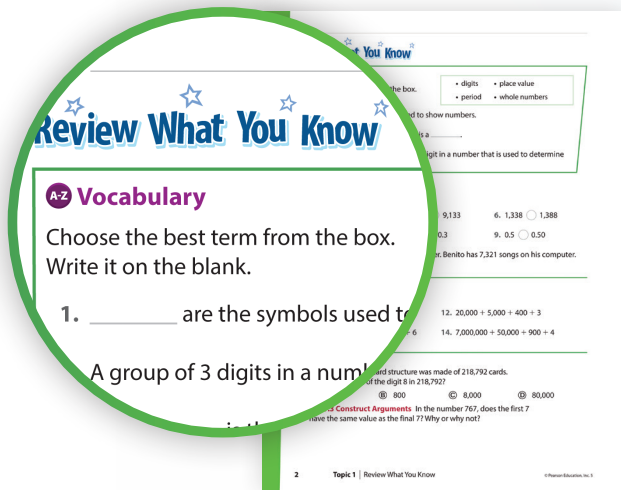


Lesson Self-Assessment (Grades 3-5)

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 of state standards while driving instructional differentiation.



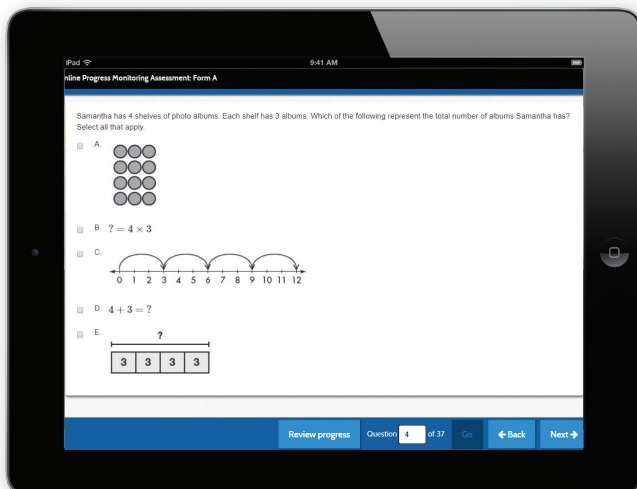
DIAGNOSTIC Assessment

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

FORMATIVE Assessment



- SCOUT Observational Assessment used during Solve & Share
- Do You Understand? and Convince Me! Guided Practice
- Quick Check (Print/Online)



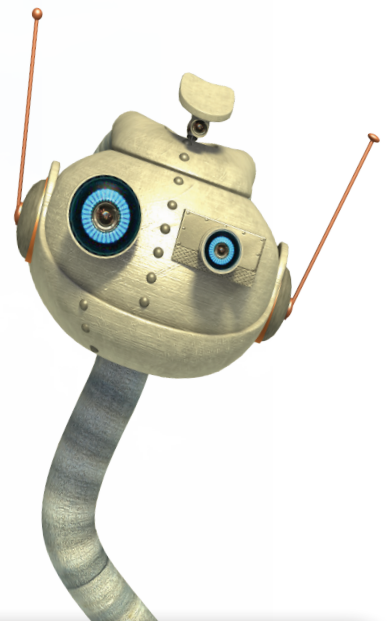
SUMMATIVE Assessment

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

Gain Meaningful Insight

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

2-1: Lesson Quiz					
Assigned to: Class One Average score: 88%					
Mastery analysis Item analysis					
Results for 1-4 of 4 standards					
Average mastery for this test (% students mastered)		✓ 83%	✓ 92%	✓ 92%	✓ 83%
Name	Score	S1	S2	S3	S4
Anderson, Chris	100% (5/5)	5/5	1/1	1/1	2/2
Brown, Tiana	100% (5/5)	5/5	1/1	1/1	2/2
Buzzy, Anita	60% (3/5)	3/5	1/1	1/1	2/2
Hernandez, Mariana	-	-	-	-	-
Jones, Josiah	100% (5/5)	5/5	1/1	1/1	2/2
Maalouf, Hassan	80% (4/5)	4/5	1/1	1/1	1/2

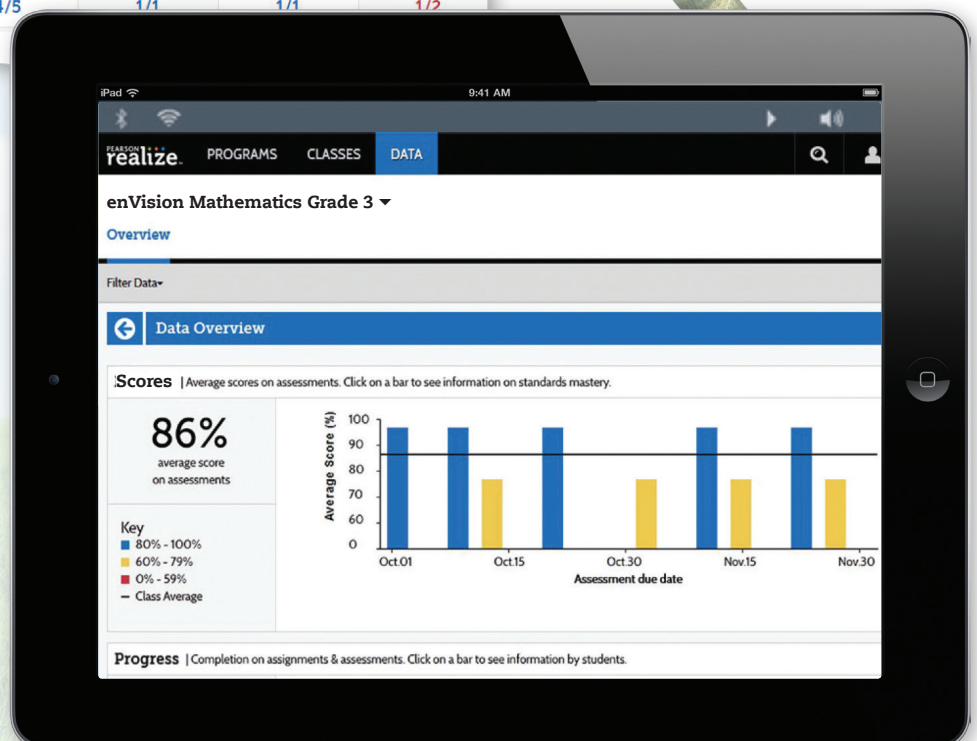


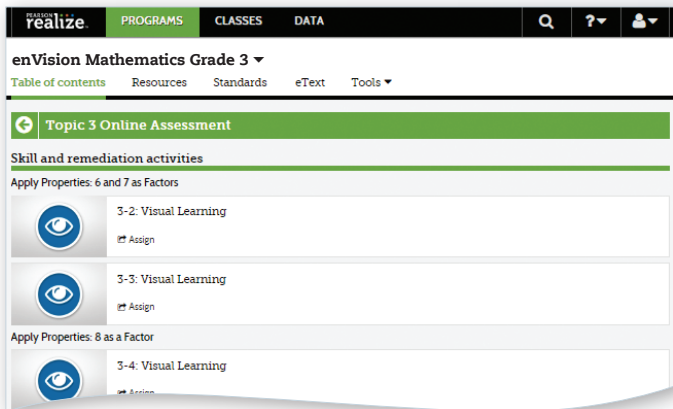
Mastery Analysis

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

Mastery Reports

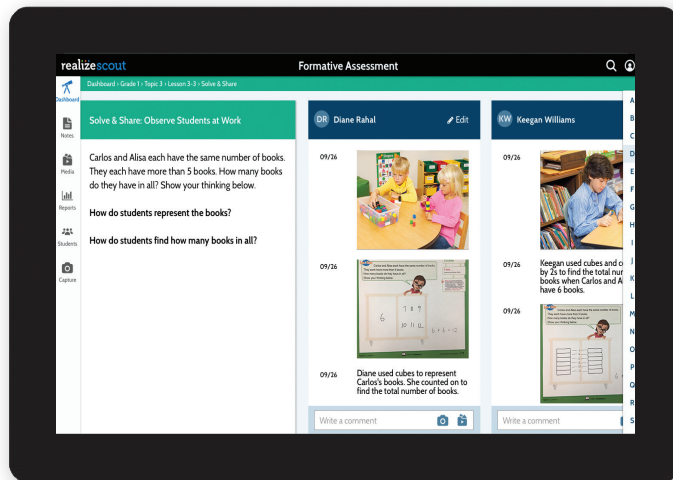
Reports are provided in an easy-to-view format.





Auto-Assign Differentiation

Differentiation is based on results of the online Quick Check, Topic Assessment, and Cumulative/Benchmark.



REALIZE SCOUT Observational Assessments

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

2-1: Lesson Quiz
Assigned to: Class One | Average score: 88%

Mastery analysis | Item analysis

Results for 1-4 of 4 standards

Interpret products of whole numbers

[View Resources](#)

Average mastery for this test (% students mastered)		83%	92%	92%	83%
Name	Score	S1	S2	S3	S4
Anderson, Chris	100% (5/5)	5/5	1/1	1/1	2/2
Brown, Tiana	100% (5/5)	5/5	1/1	1/1	2/2
Buzzy, Anita	60% (3/5)	3/5	1/1	1/1	2/2
Hernandez, Mariana	-	-	-	-	-
Jones, Josiah	100% (5/5)	5/5	1/1	1/1	2/2
Maalouf, Hassan	80% (4/5)	4/5	1/1	1/1	1/2
M...			1/1	1/1	

Item Analysis

Standards-aligned resources are available to assign for follow-up.



Focus on Each Learner

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



INTENSIVE INTERVENTION As needed ANYTIME



INTERVENTION



ON-LEVEL



ADVANCED

Intervention Activity **I**

Teacher Guided Activity gives all students the extra help they need.

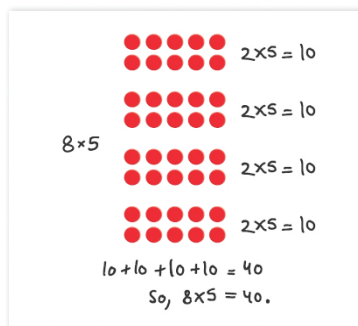
Strategies to Multiply

Materials

Two-color counters (or Teaching Tool 9)

- Write " 8×5 ." Have students count by 5s to find the product.
- Have students build an array with 8 rows and 5 counters to show 8×5 .
- Ask students to use pencils to separate the counters into 4 arrays with 2 rows in each array.
- Remind students that each small array shows $2 \times 5 = 10$, and that $10 + 10 + 10 + 10 = 40$.
- Next, write " 9×4 ."

- Have students list the different strategies they can use to find the product. Then ask students to use each strategy and see if they get the same product each time.



Technology Center **I O A**

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



Name _____

Reteach to Build Understanding 3-5

Vocabulary

1. You can draw a picture or bar diagram to **multiply**. To find 3×5 , think about 3 groups of 5.

$3 \times 5 = \underline{\quad}$

You can also use known facts to multiply because of the **Distributive Property**.

$3 \times 5 = (\underline{\quad} \times 5) + (\underline{\quad} \times 5)$

$3 \times 5 = \underline{\quad} + 5$

$3 \times 5 = \underline{\quad}$

2. Complete the bar diagram to find 8×6 .

$8 \times 6 = \underline{\quad}$

Name _____

Build Mathematical Literacy 3-5

Answer the questions to help understand the problem.

Ms. Wilson drank three 8-ounce glasses of tea before lunch. Then she drank three 8-ounce glasses of water before dinner. How many ounces of liquid did she drink in all? Write an equation to help solve.

Preview: Read the problem through once.

- What is the problem about?
- What question will be answered by solving the problem?

Reread: Read the problem again.

- Underline the numerical information that tells how much tea Ms. Wilson drank.
- How can you find the total amount of tea Ms. Wilson drank?

Name _____

Enrichment 3-5

Tree Diagrams

Mrs. Leed wants to have one bookcase and one rug for the classroom library. The choices are shown in the table.

Choices for Classroom Library	
Bookcase Sizes	Rug Shapes
Tall	Circle
Short	Rectangle
	Square

How many different combinations of one size of bookcase and one shape of rug are there?

A tree diagram is one way to show all the possible combinations. Complete the tree diagram that is started for you.

```

graph TD
    A[Tall Bookcase] --> B[Circle Rug 1]
    A --> C[Rectangle Rug 2]
    A --> D[Square Rug 3]
    E[Short Bookcase] --> F[Circle Rug 4]
    E --> G[Rug 5]
    E --> H[Rug 6]
    
```

Reteach to Build Understanding **I**

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

Build Math Literacy **I O**

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

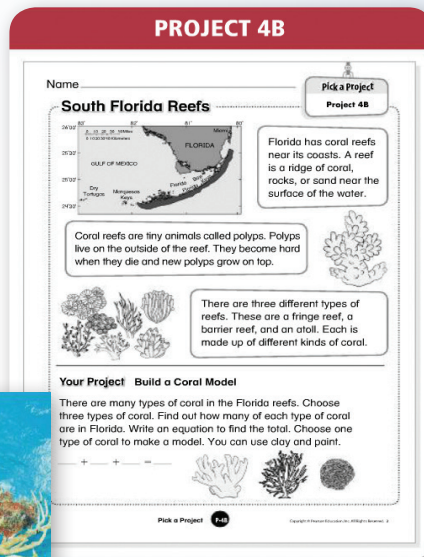
Enrichment **O A**

Higher-order thinking activities help students develop deeper understandings.

Activity Centers I O A

Pick a Project

Students can pick a project that interests them from a variety of options at the beginning of the Topic.

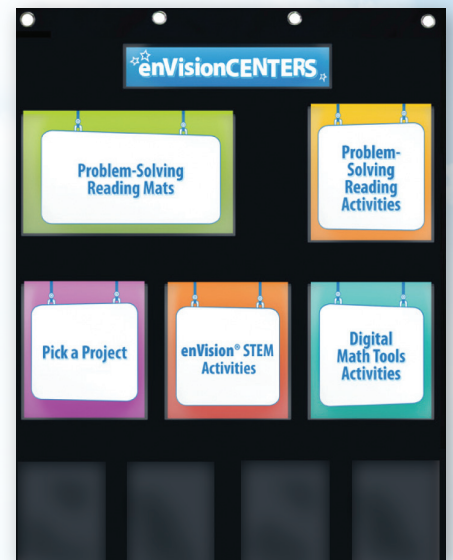
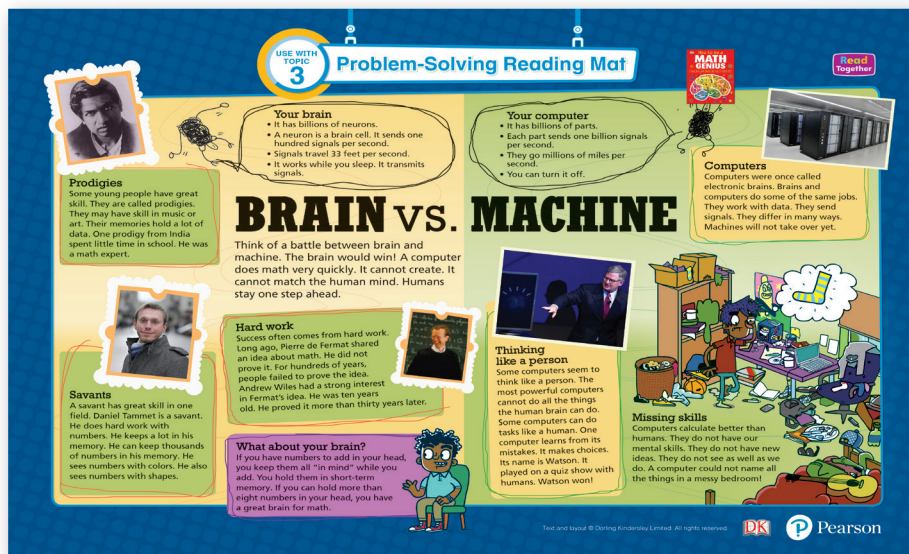


Additional Practice Workbook O A

Two pages for each lesson reinforce math practices, vocabulary, higher-order thinking, and assessment practice.

Problem-Solving Leveled Reading Mats

Apply math understanding in a real-world context from DK Books. Two-sided mats include on-level text on one side and below-level text on the other side.

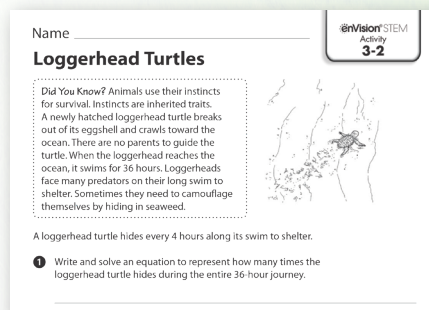


enVisionCENTERS

Quick and Easy Centers Kit for Differentiated Instruction provides access to all materials.

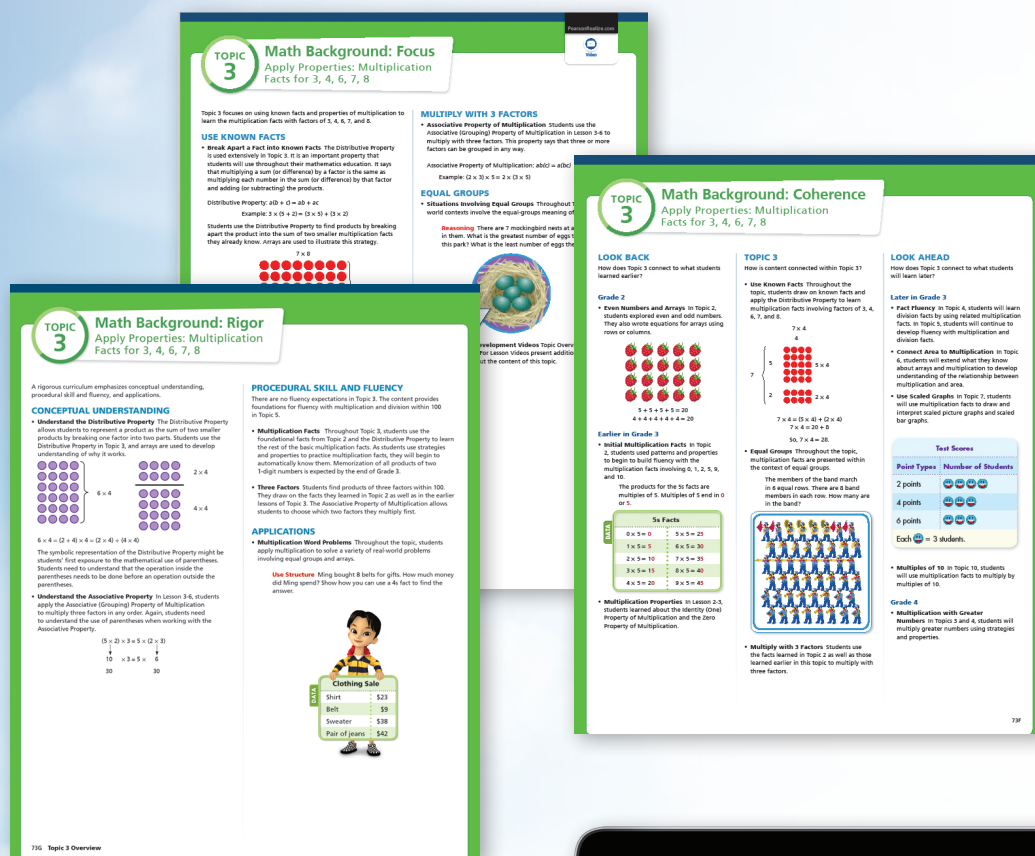
enVision STEM Activity

Integrate grade-specific STEM activities introduced in the Topic Opener.



See the Big Picture

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

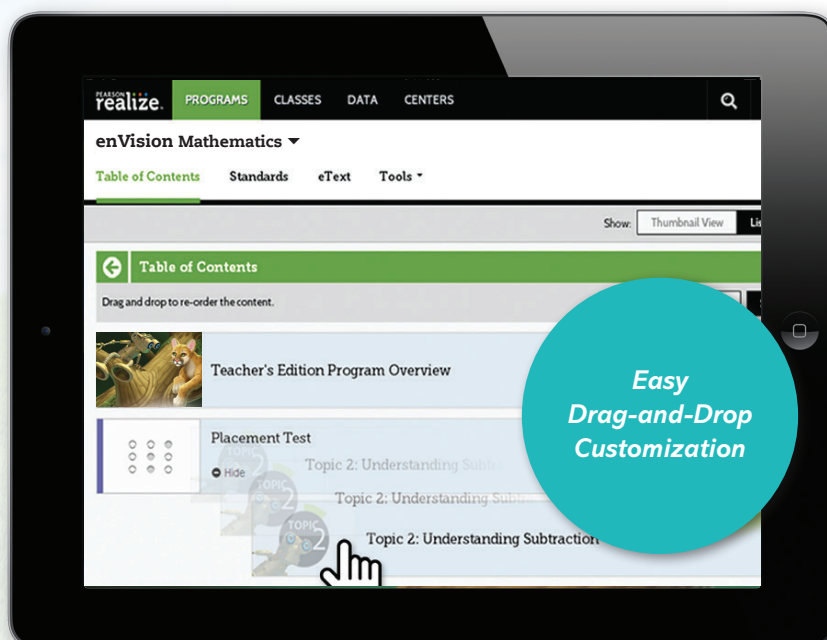


Every math teacher is a master teacher.

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 PearsonRealize.com.

- Search by keyword or standards
- Customize lessons
- Reorder lessons and Topics
- Align to your district framework
- Access Google Classroom™
- Add OpenEd resources
- Add Google Drive™ files
- Integrate Microsoft® OneDrive®
- Upload your own content
- Use online discussion boards
- Switch to simple interface (K-2)



MANAGING CLASSES

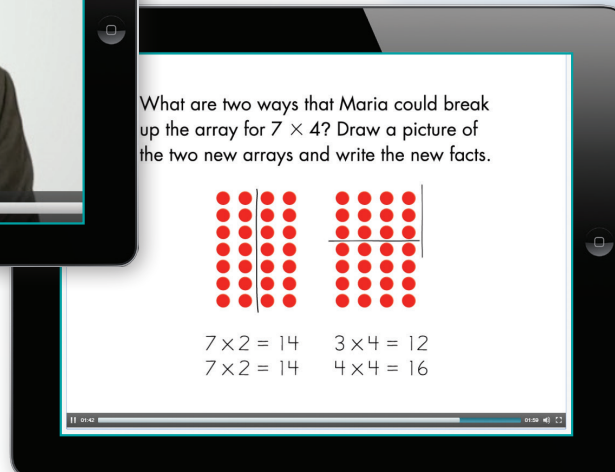
Learn More!
Teacher's Edition
Program Overview
pp. 65-66 and 82-83A.



Listen and Look for Lesson

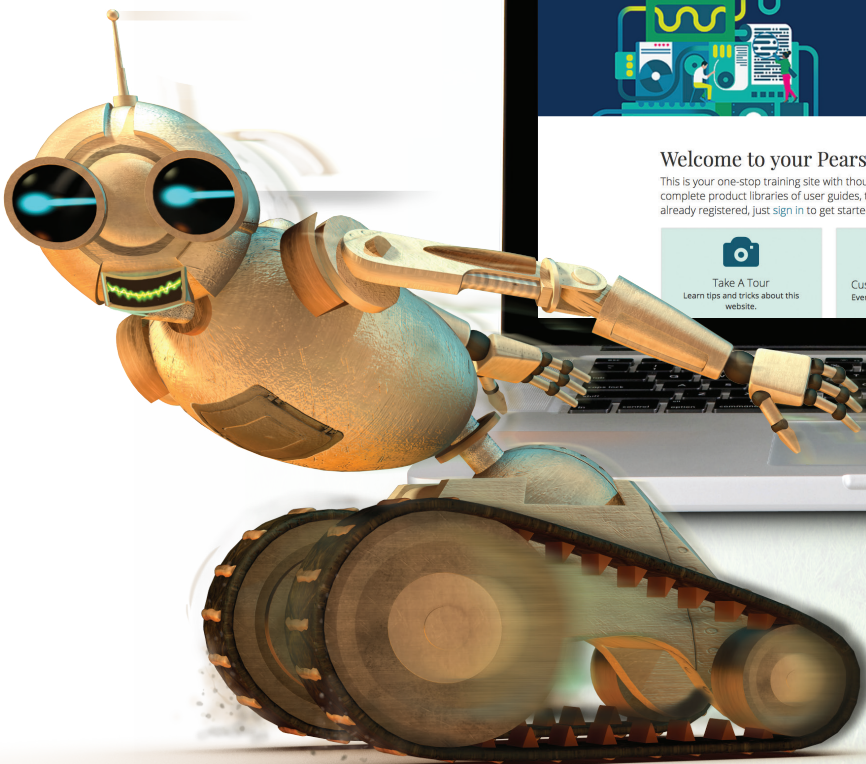
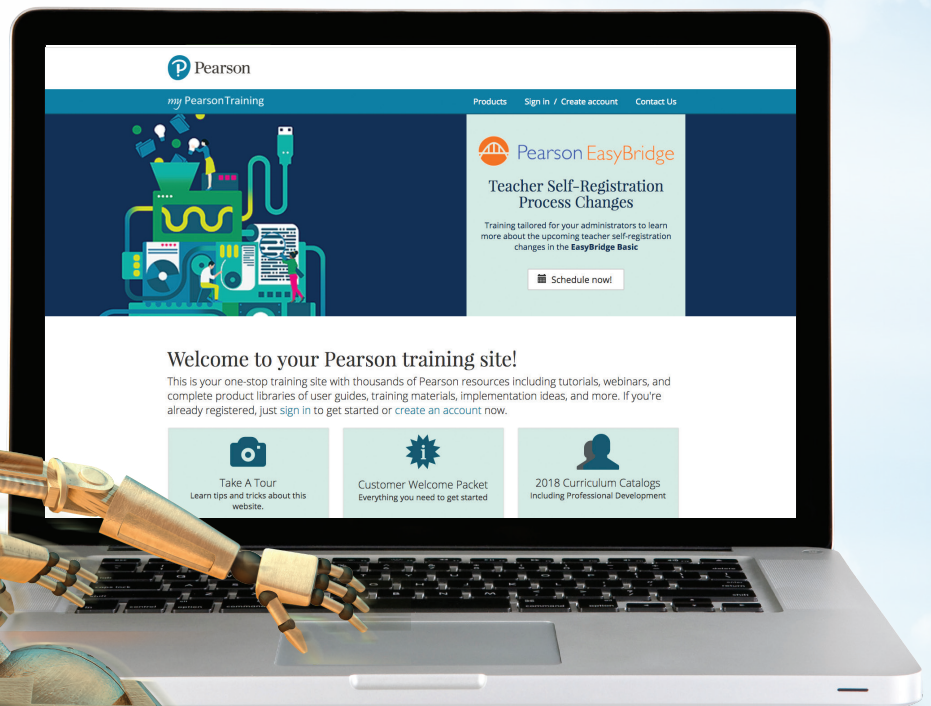
Videos provide key details, models, and insights.

A great way to prepare for the day!



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

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



Comprehensive Resources

Teach using multiple modalities and tiers. All components are organized to save you time and prepare students for success. You don't have to look anywhere else!

Savvas Realize

All **enVision** resources are available on **SavvasRealize.com**. Easy-to-navigate content 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.

Student's Edition, 2 Volumes

(Print and online Interactive Student Edition Realize Reader)

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

Teacher's Edition, 2 Volumes

(Print and online Teacher's Edition Realize Reader)

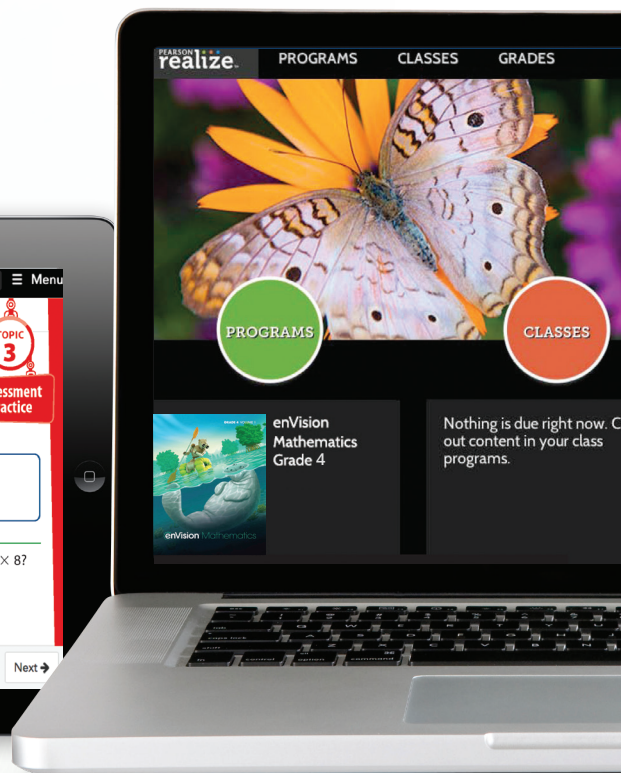
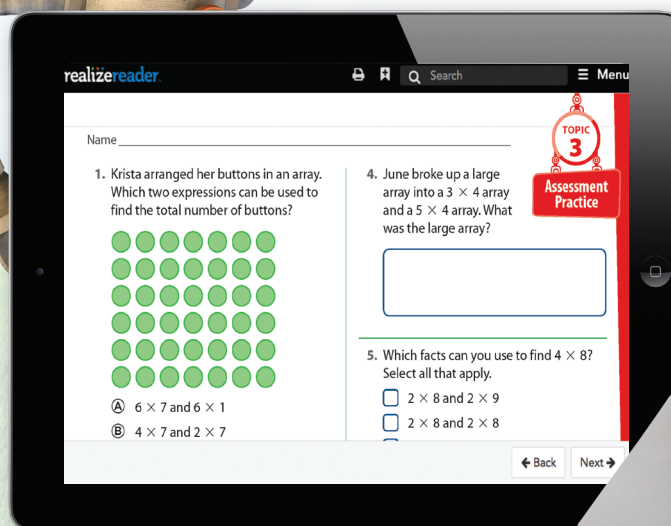
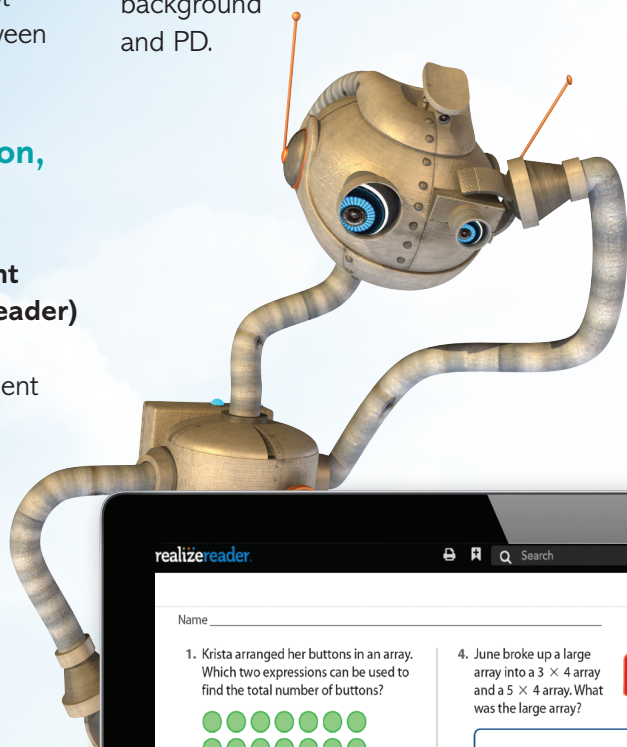
Topics and lessons balance instructional focus, coherence, and rigor. Embedded math background and PD.

Teacher's Edition Program Overview

A user's guide and PD resource in one! Explore pacing, lessons, differentiated instruction, and components.

Teacher's Resource Masters, 2 Volumes

- Home-School Connection Letters
- Pick a Project
- enVision® STEM Activities
- Daily Review
- Reteach to Build Understanding
- Build Mathematical Literacy
- Enrichment
- Fluency Practice/Assessment
- Also available in Spanish



Math Diagnosis and Intervention System

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



Additional Practice Workbook (Print and online Interactive Additional Practice Realize Reader)

The student workbook includes two pages of additional practice for each lesson. Also available in Spanish.

Assessment Sourcebook

- Readiness Test Masters
- Topic Performance Task Masters
- Basic-Facts Timed Test Masters (1-5)
- Cumulative/Benchmark Assessment Masters
- Progress Monitoring Assessment Masters
- Also available in Spanish

Language Support Handbook

Topic and lesson specific instructional support promotes language development.

Problem-Solving Leveled Reading Mats and Teacher's Guide

A big, colorful mat filled with data is provided for each topic. One side has on-level reading and other side has below-level reading.

Manipulatives Kits

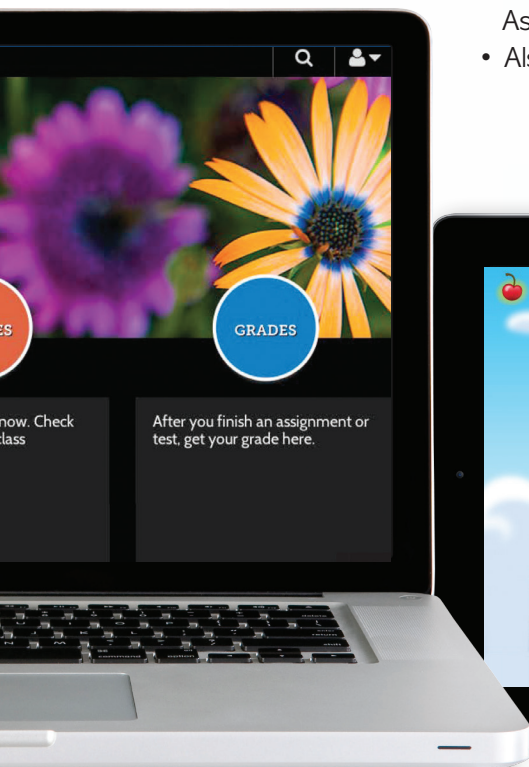
Engage learners in problem solving, sorting, patterns, measurements, mathematical operations, and communicating mathematical ideas.

Math Practices Posters

Use during core instruction to support discussion of a specific math practice.

Quick-and-Easy Centers Kit for Differentiated Instruction

The handy organizer includes 6 sets of each Leveled Reading Mat and Teacher's Guide, and holds printed resources for Activity Centers. Students can get what they need.





1018.DM.D1 Mat581M681

enVision[®] Mathematics

Kids See the Math. Teachers See Results.

SAVVAS
LEARNING COMPANY

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