

# **enVision** Mathematics

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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

-Understanding

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

9

### 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. 3-Act Math videos are available in Spanish.

#### **ACT 1: THE HOOK**



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

### **ACT 2: THE MODEL**

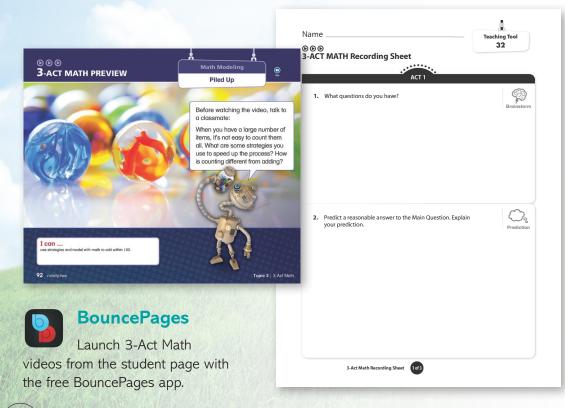


Students develop mathematical models to arrive at a solution that makes sense to them.

#### **ACT 3: THE RESOLUTION**



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



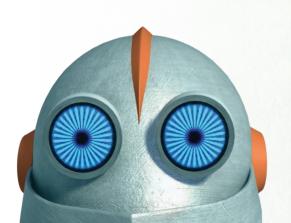
### Focus on Mathematical Modeling

- 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.



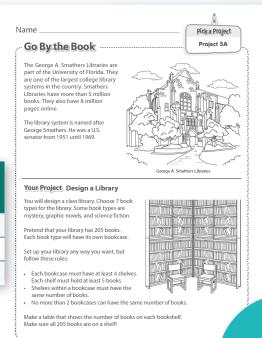
|    | Varied Engaging<br>Contexts | Varied Activity<br>Modalities | Varied Final<br>Products |
|----|-----------------------------|-------------------------------|--------------------------|
| 5A | Books                       | Design                        | Data table               |
| 5B | Number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



### 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)



Pick a Project P-5A

Student Choice, Differentiation, Open-Ended Rich Tasks

# 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

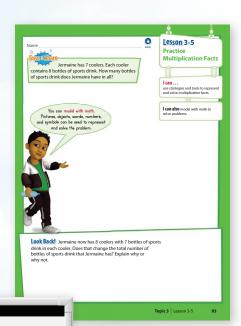
Introduce concepts through a problem-solving experience. Facilitate rich classroom conversations that promote a growth mindset and result in deeper conceptual understanding.

 Jermaine has 7 coolers. Each cooler contains 8 bottles of sports drink. How many bottles of sports drink does Jermaine have in all? Solve this problem any way you choose.

5X8= 40

2×8= 16

40+16=56 bottles



### Solve & Share Online

The digital workspace engages students and encourages interactive learning experiences.

Available in Spanish.

### 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 (300)

Use with the Solve & Share.

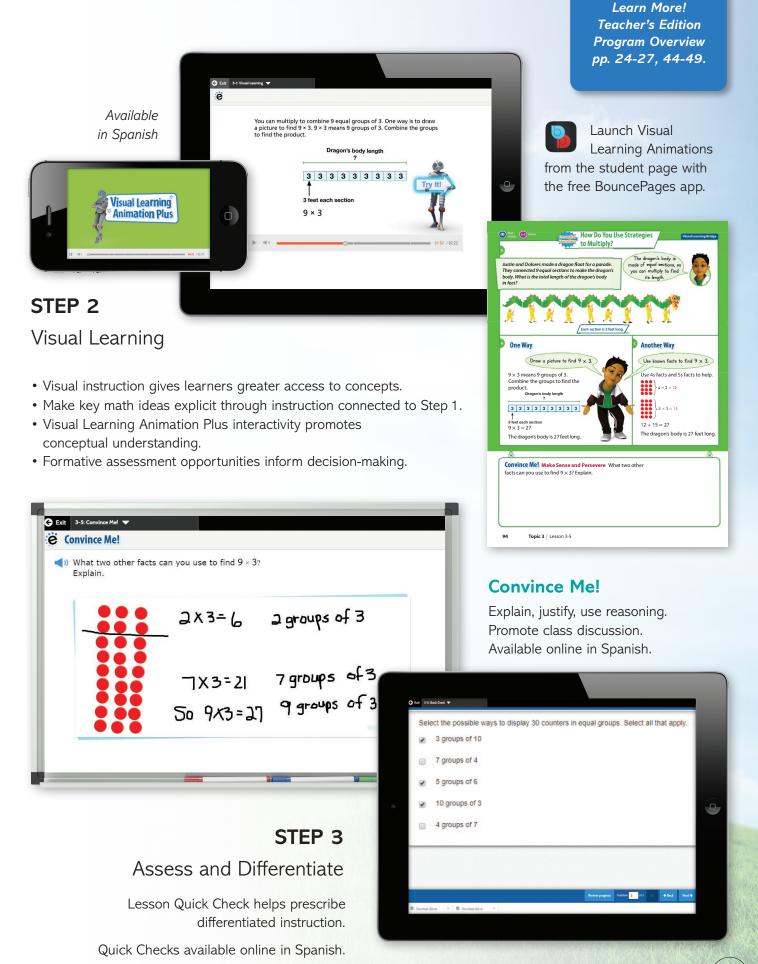
#### Writing

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]

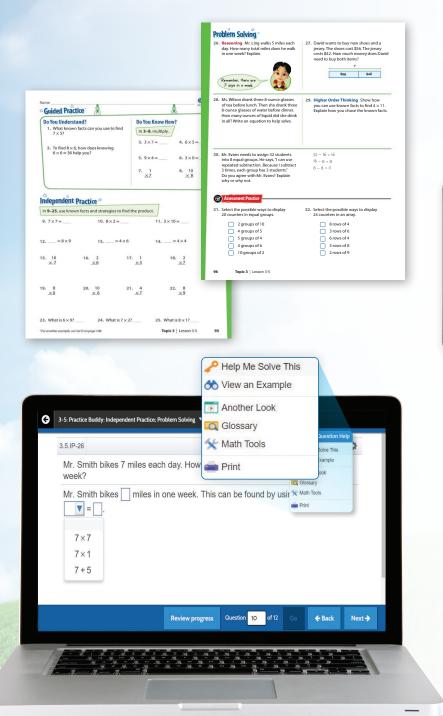
**Entering** Ask students to read the question aloud and complete this sentence stem: "To find the product of 7 × 8 is to group 8s \_\_\_\_\_\_

Emerging Ask students to list and review the 8c action facts with a partner.



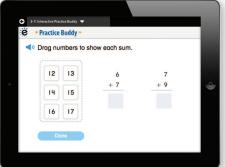
# Practice with a Purpose

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)

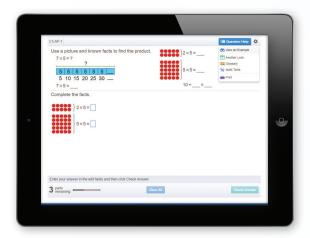
Instant feedback and learning aids help all students be successful.

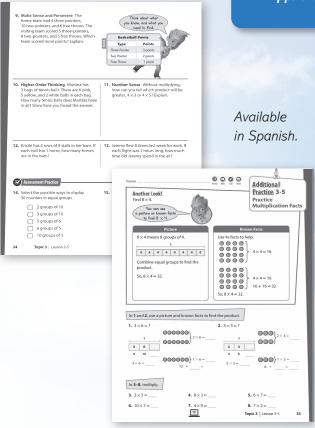
Interactive Practice Buddy (Grades K-2) and Practice Buddy MathXL for School (Grades 3-5) are also available in Spanish.

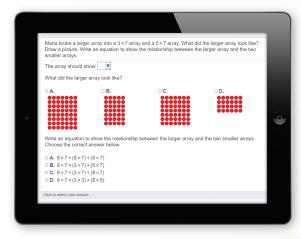
Learn More! **Teacher's Edition Program Overview** pp. 50-51.

### **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.







### **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** 

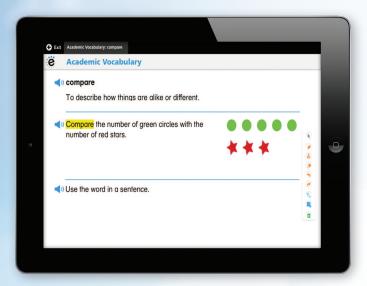
Launch Another Look videos from the student page with the free BouncePages app.



### 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. Available online in Spanish.

### **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.

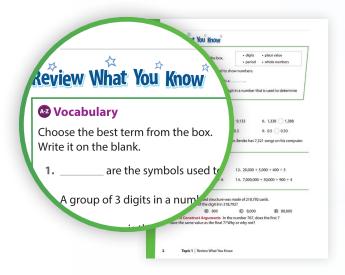


### Lesson Self-Assessment (Grades 3-5)

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

### Assess to Differentiate

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



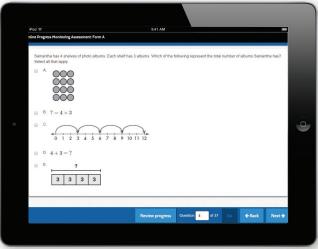
### **DIAGNOSTIC Assessment**

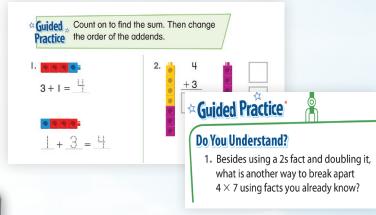
- Readiness Test (Print and Online)
- Diagnostic Test (Math Diagnosis and Intervention System)
- Review What You Know (Topic Level)

### FORMATIVE Assessment



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



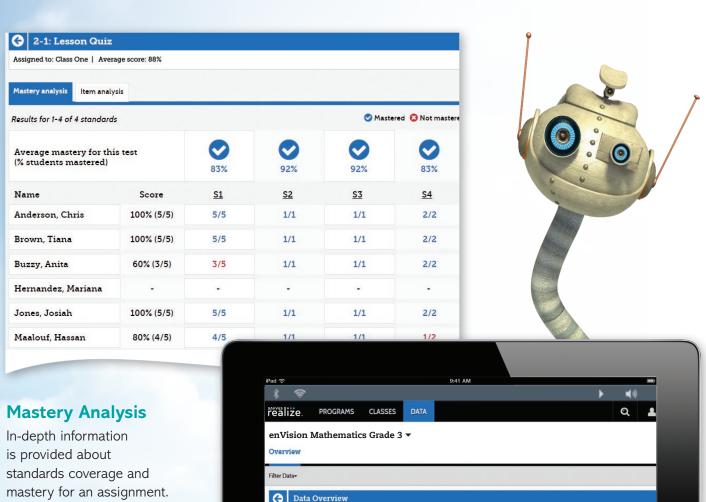


### **SUMMATIVE Assessment**

- 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)

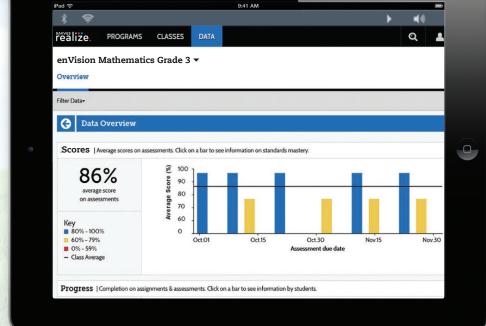
# Gain Meaningful Insight

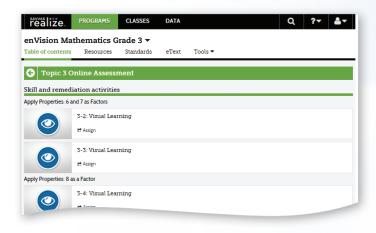
A variety of auto-generated reports show mastery on assessments, overall progress, and usage data. It's all on SavvasRealize.com.



### **Mastery Reports**

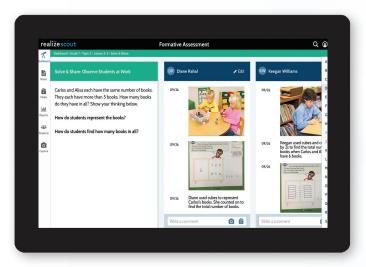
Reports are provided in an easy-to-view format.





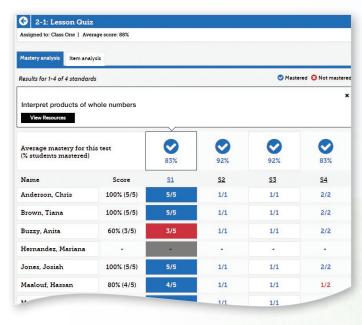
### **Auto-Assign Differentiation**

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



### Realize Scout Observational Assessment Tool

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



### 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.



#### TARGETED INTERVENTION As needed ANYTIME



I INTERVENTION O ON-LEVEL A ADVANCED





### **Intervention Activity ①**

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

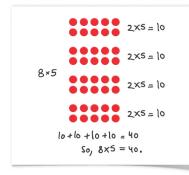
#### **Strategies to Multiply**

#### 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  $8 \times 5$ .
- 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 x 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.



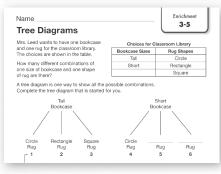
### **Technology** Center (1) (a)

#### Math Tools and Math Games

reinforce concepts, critical thinking, and application.

Games available in Spanish

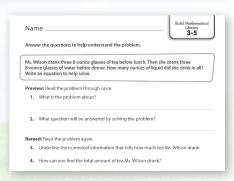




### Vocabulary — You can draw a picture or bar diagram to multiply To find 3 × 5, think about 3 groups of 5. 5 5 5 3×5= You can also use known facts to multiply because of the Distributive Property $3 \times 5 = (\underline{\hspace{1cm}} \times 5) + (\underline{\hspace{1cm}} \times 5)$ 3 × 5 = 2. Complete the bar diagram to find $8 \times 6$ . 6 6 6 6

### Reteach to Build

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



### **Build Math**

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

### 





Higher-order thinking activities help students develop deeper understandings.

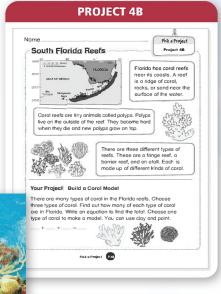
Learn More! Teacher's Edition Program Overview pp. 52-55, 78-79.

# Activity Centers • • •

### Pick a Project

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



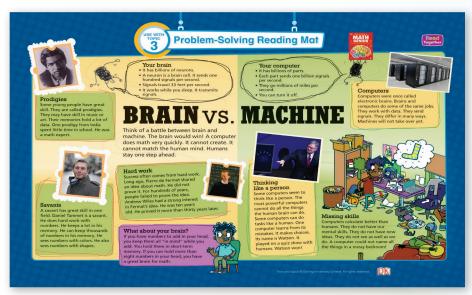


### 

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. Mats available in Spanish.



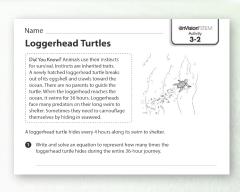


#### **enVisionCENTERS**

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

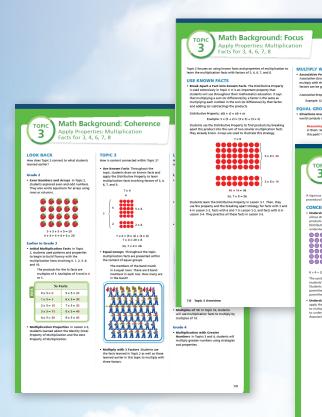
### enVision STEM Activity

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



# See the Big Picture

Math Background: Rigor



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.

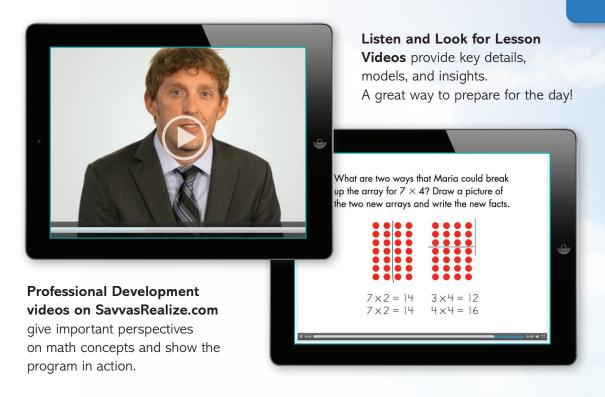
Access all digital content, assessments, and management tools at SavvasRealize.com.

- 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<sup>™</sup> files
- Integrate Microsoft® OneDrive®
- Upload your own content
- Use online discussion boards
- Switch to simple interface (K-2)





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





## 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.
Now integrates with Google rosterSync<sup>TM</sup>, Google Classroom<sup>TM</sup>, and Google Drive<sup>TM</sup>.

### Student's Edition, 2 Volumes

(Print and online Interactive Student Edition Realize Reader Compatible

with Google Translate™.)

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

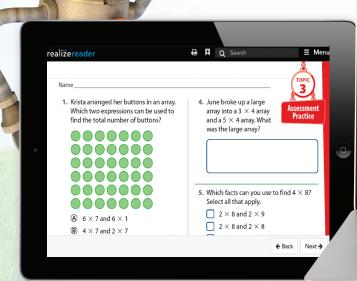
and PD.

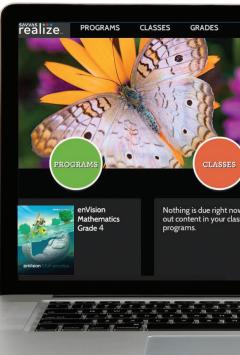
### Teacher's Edition Program Overview

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
- Available as editable Word documents (English only)





# Math Diagnosis and Intervention System

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

#### SuccessMaker

Supports Tier 3 adaptive intervention for students who need additional support.



### 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. Mats also available in Spanish.

### Manipulatives Kits

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

# Math Practices Posters and Math Practice Animations (animations available in Spanish)

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.





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Take an Interactive Tour!

Savvas.com/enVisionMathematics



Savvas.com 800-848-9500 Join the Conversation @SavvasLearning







