



ACHIEVE BTCG

New enVisionmath2.0 Empowers Every Teacher and Learner.

Conceptual Understanding

Deepen students' abilities to think mathematically.

Personalized and Adaptive Learning

Make math learner-centered, relevant, and focused.

Managed Learning

Simplify with one learning management system.



RESULTS

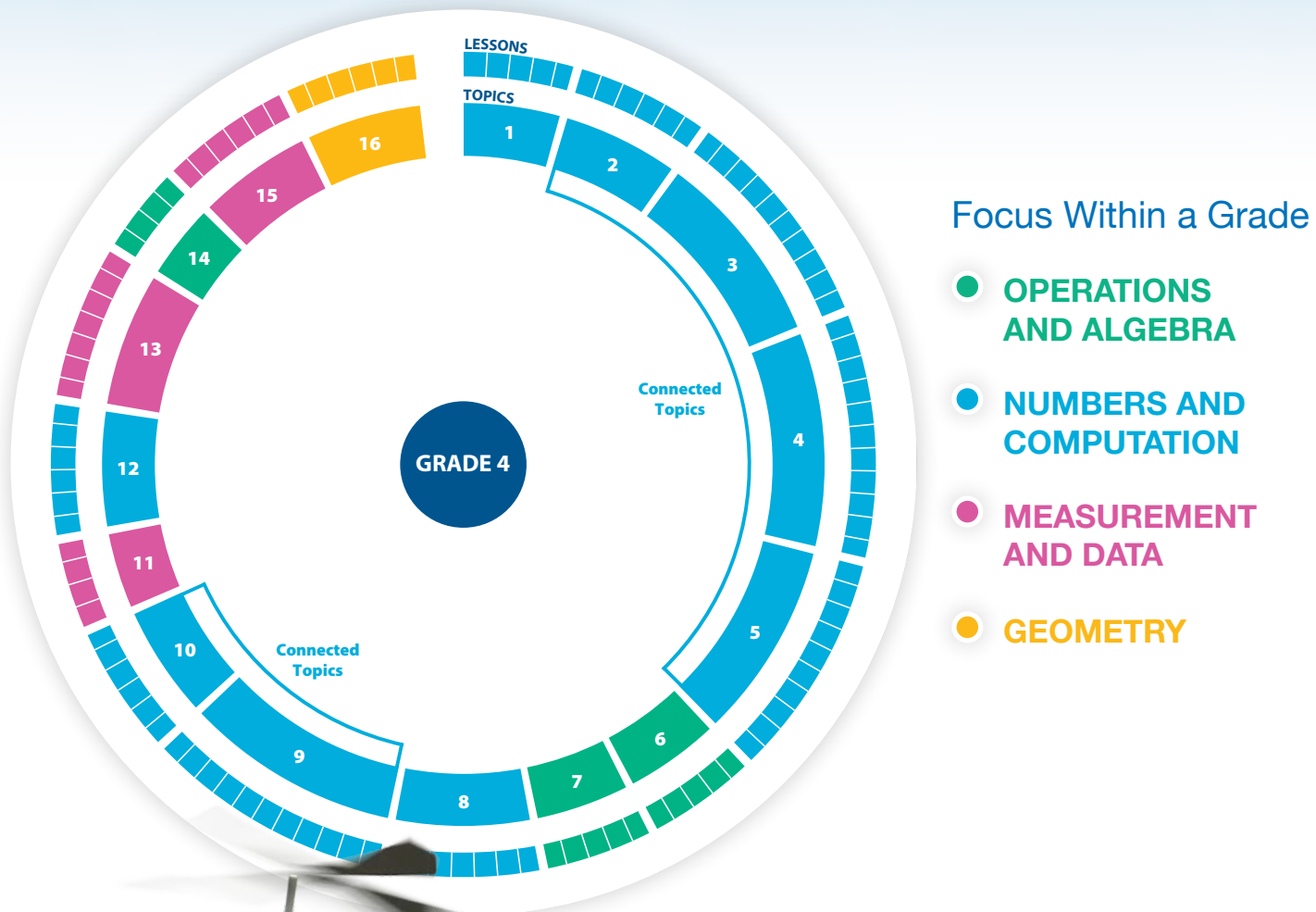
It Works in Every Classroom.

The instructional model supports learning in print, blended, and 1:1 classrooms.



Accomplish More, Worry Less

Focus within a grade, topic, and lesson. **enVisionmath2.0** is organized into topics and groups of connected topics to best promote mathematical content connections.



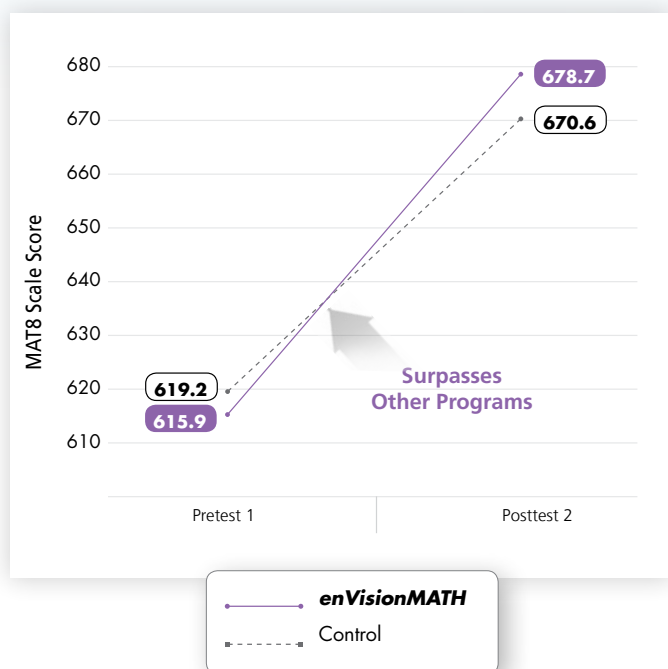
The Right Focus at the Right Time

- Each topic or group of connected topics has a specific focus within a mathematical strand.
- For example, Grade 4 Topics 2, 3, 4, and 5 are connected topics that focus on multi-digit arithmetic within the Numbers and Computation strand.

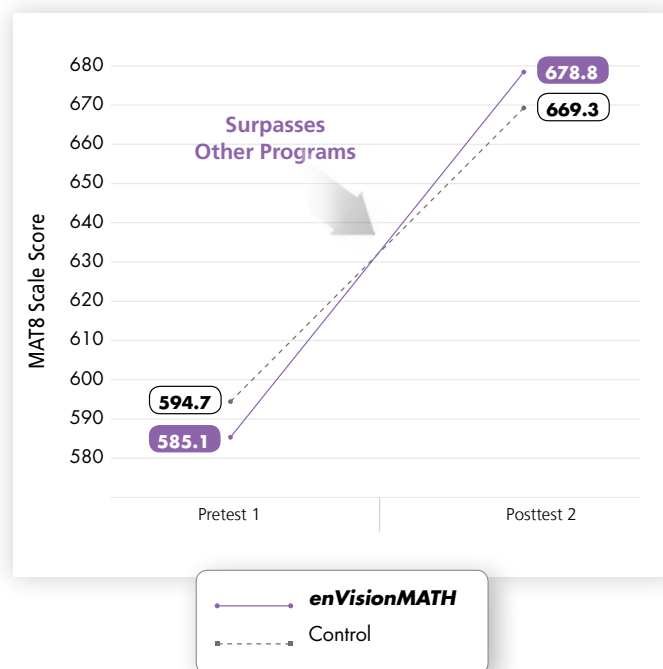
Proven Classroom Results!

enVisionmath2.0 is built on proven research and results validated by the What Works Clearinghouse. It demonstrates a statistically significant increase in student achievement above and beyond other math programs.

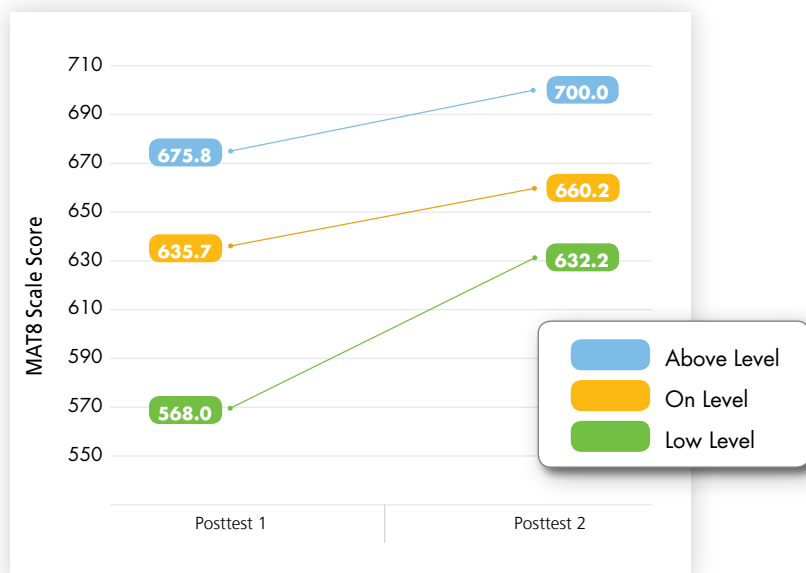
Concepts and Problem Solving



Computation



Ability Level



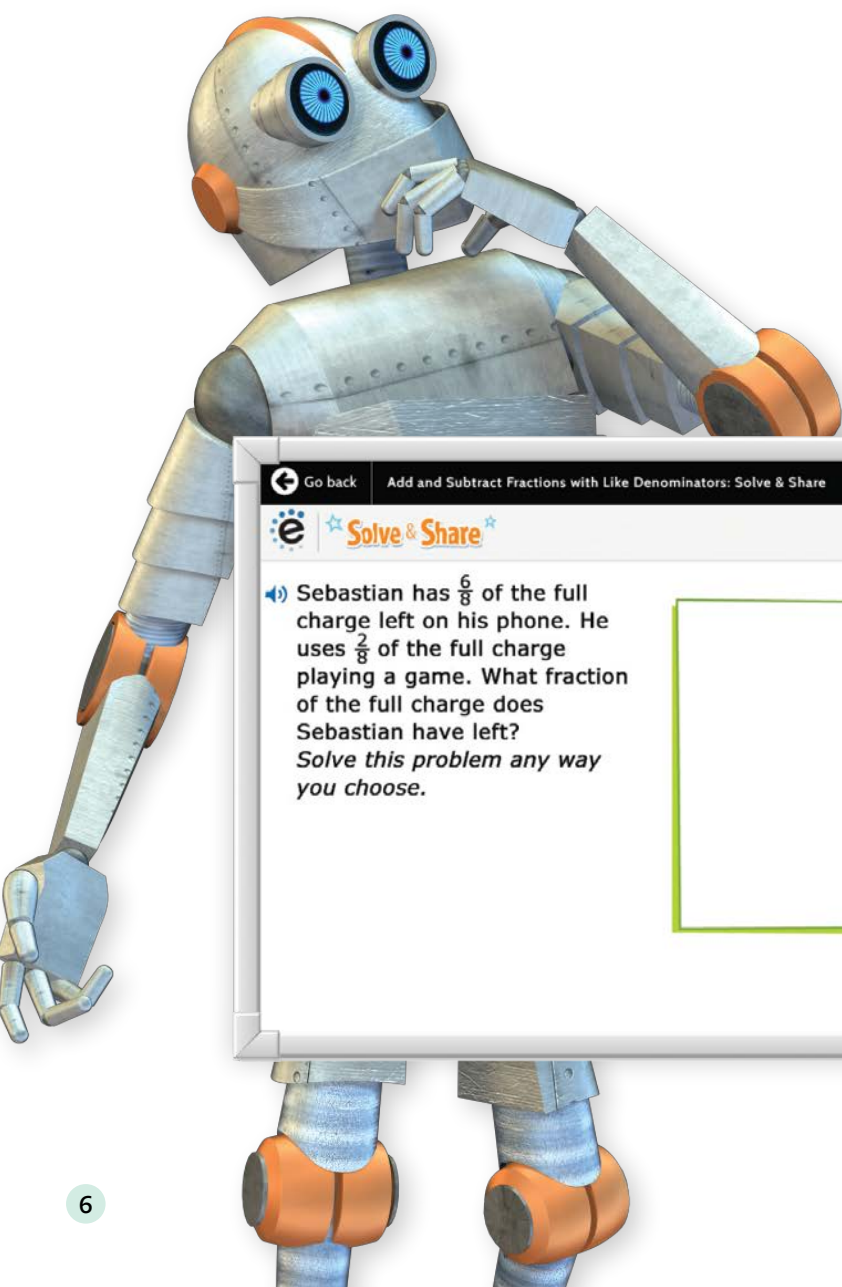
A Lesson in Understanding

Ensure rigor with problem-based learning. Connect the abstract to the explicit through visual learning. Finally, guide all students to conceptual understanding with multi-tiered RtI.

LESSON STEP 1

Solve & Share Problem-Based Learning

Introduce concepts and procedures with a problem-solving experience. Facilitate rich classroom conversations that result in deeper conceptual understanding.



Name _____

Solve & Share

Sebastian has $\frac{6}{8}$ of the full charge left on his phone. He uses $\frac{2}{8}$ of the full charge playing a game. What fraction of the full charge does Sebastian have left? *Solve this problem any way you choose.*

You can use appropriate tools such as a number line to show this problem.

Lesson 9-6
Add and Subtract Fractions with Like Denominators

I can ...
use a number line to add and subtract fractions when the fractions refer to the same whole.

I can also choose and use a math tool to solve problems.

Look Back! Reasoning Write a fraction that is equivalent to the amount of a full charge that Sebastian used when playing the game.

Go back Add and Subtract Fractions with Like Denominators: Solve & Share

Solve & Share

Sebastian has $\frac{6}{8}$ of the full charge left on his phone. He uses $\frac{2}{8}$ of the full charge playing a game. What fraction of the full charge does Sebastian have left? *Solve this problem any way you choose.*

1 of 1

Solve & Share Online

This interactive workspace engages students and encourages active participation in learning.

LESSON STEP 2

Visual Learning

- Visual instruction on the student page gives learners greater access to concepts.
- Make key math ideas explicit with enhanced direct instruction connected to Step 1.
- Visual Learning Animation Plus provides interactive learning and promotes conceptual understanding.



Access
Through
BouncePage
App!

How Do You Add and Subtract Fractions on a Number Line?

Mary rides her bike $\frac{2}{10}$ mile to pick up her friend Marcy for soccer practice. Together, they ride $\frac{5}{10}$ mile to the soccer field. What is the distance from Mary's house to the soccer field?

You can use jumps on the number line to add or subtract fractions.

Mary's house Marcy's house Soccer field

$\frac{2}{10}$ mile $\frac{5}{10}$ mile

Use a number line to show $\frac{2}{10} + \frac{5}{10}$.

Write the addition equation.
Add the numerators. Write the sum over the like denominator.
 $\frac{2}{10} + \frac{5}{10} = \frac{2+5}{10} = \frac{7}{10}$

The distance from Mary's house to the soccer field is $\frac{7}{10}$ mile.

Convince Me! Use Appropriate Tools Use the number line below to find $\frac{5}{8} + \frac{2}{8}$. Can you also use the number line to find $\frac{5}{8} - \frac{2}{8}$? Explain.

Topic 9 | Lesson 9-6

Go back Add and Subtract Fractions with Like Denominators: Visual Learning

Move the slider to show the distance from Mary's house to the soccer field.

Mary's House Marcy's House Soccer field

$\frac{2}{10}$ mile $\frac{5}{10}$ mile

Number line

0 $\frac{1}{10}$ $\frac{2}{10}$ $\frac{3}{10}$ $\frac{4}{10}$ $\frac{5}{10}$ $\frac{6}{10}$ $\frac{7}{10}$ $\frac{8}{10}$ $\frac{9}{10}$ 1

Convince Me! Online

Explain, justify, use reasoning. Promote class discussion.

Go back Add and Subtract Fractions with Like Denominators: Convince Me!

Convince Me!

Use the number line to find $\frac{5}{8} + \frac{2}{8}$. Can you also use the number line to find $\frac{5}{8} - \frac{2}{8}$? Explain.

Move to the right to add. Move to the left to subtract.

0 $\frac{3}{8}$ $\frac{5}{8}$ $\frac{7}{8}$ 1

1 of 1

Connect to New Ideas

Personalized learning encourages students to spend the time to build their math understanding.

Independent Practice: Math Practices and Problem Solving

- For every lesson in the Student's Edition
- Build proficiency
- Promote higher-order thinking

Problem Solving

9. **Number Sense** How do you know the quotient of $639 \div 6$ is greater than 100 before you actually divide?

10. **Reasoning** Maria saved $\frac{1}{2}$ of her allowance. Tomas saved $\frac{2}{3}$ of his allowance. Who saved a greater part of his or her allowance? Explain your reasoning.

11. Isaac started his bike ride at the trailhead. He reached the picnic area and continued to the lookout tower. If Isaac rode his bike for a total of $\frac{19}{12}$ miles, how much farther did he ride beyond the lookout tower?

12. **Model with Math** Ricky completely filled a bucket to wash his car. After he finished washing the car, $\frac{5}{8}$ of the water remained in the bucket. Write and solve an equation to show the fraction of the bucket used.

13. **Higher Order Thinking** Sarah and Jenny are running an hour long endurance race. Sarah ran $\frac{2}{5}$ hour before passing the baton to Jenny. Jenny ran $\frac{3}{5}$ hour, then passed the baton back to Sarah. What fraction of the hour does Sarah still need to run to complete the race?

Another Example!
Find $\frac{6}{8} - \frac{4}{8}$.
Start at $\frac{6}{8}$. To subtract, move $\frac{4}{8}$ to the left. The ending point is $\frac{2}{8}$.
So, $\frac{6}{8} - \frac{4}{8} = \frac{2}{8}$.

Guided Practice

Do You Understand?
1. In the example above, how is the denominator illustrated on the number line?

Do You Know How?
For 3–4, write the equation shown by each number line.
3.

2. **Model with Math** Draw a number line to represent $\frac{1}{12} + \frac{5}{12}$.

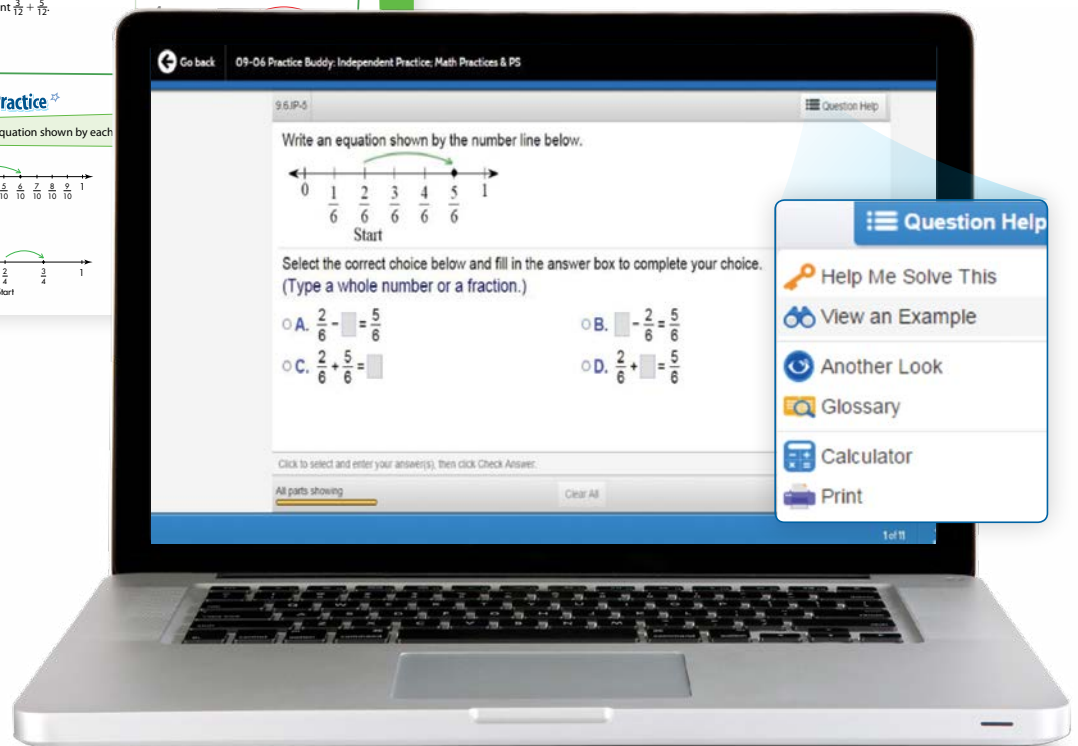
Independent Practice
For 5–8, write the equation shown by each number line.

5.

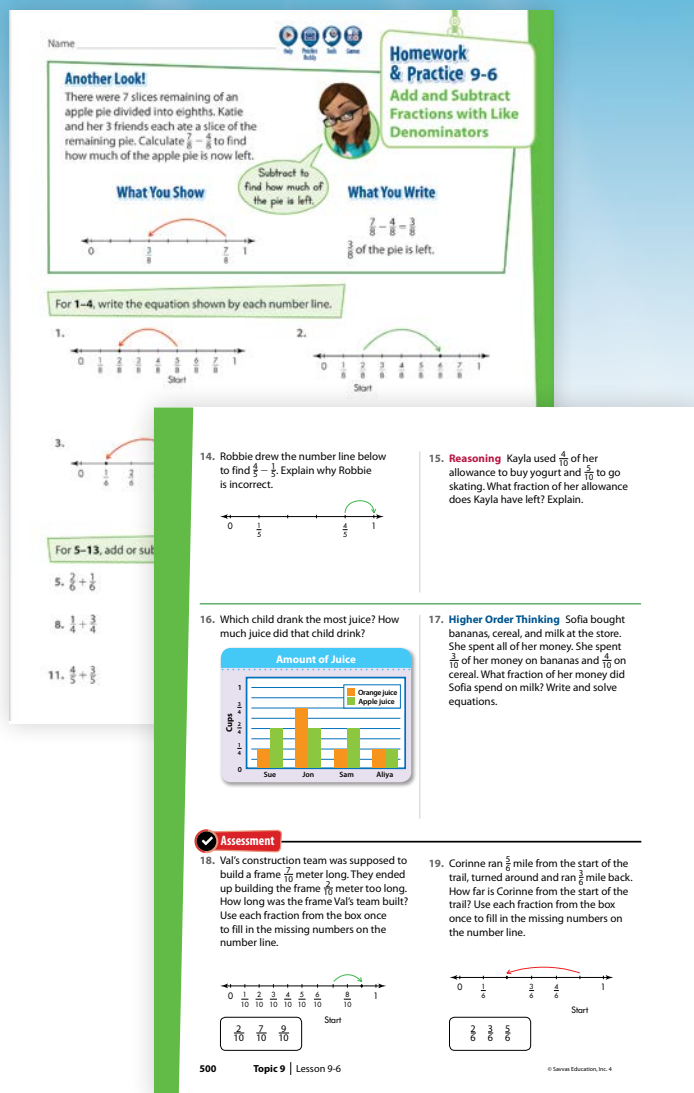
7.

Practice Buddy Online

Dynamic digital homework provides instant feedback and individual question help, in which errors and misconceptions are corrected. Teachers instantly see if students are prepared to move on to the next concept. (Grades 3–5)



Powered by MathXL® for School



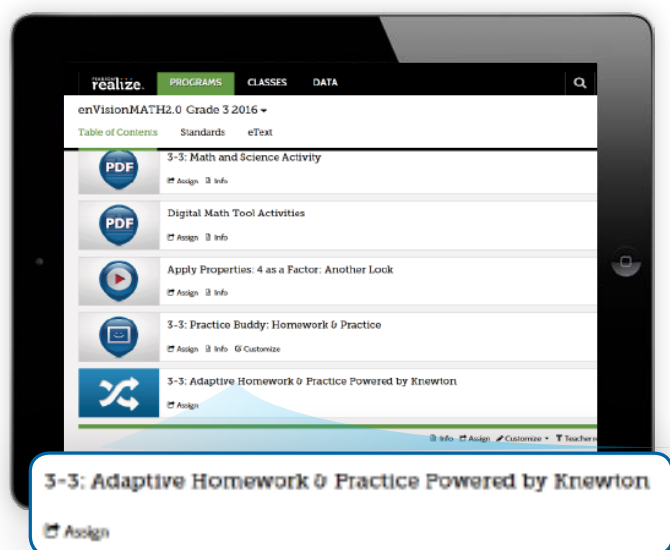
Homework & Practice

- Embedded homework means one less component to manage.
- Leveling allows teachers to personalize skill and problem-solving practice.
- Reinforce math practices, vocabulary, higher-order thinking, and assessment.
- Practice Buddy Online provides dynamic support for homework.



Another Look Homework Video

- Online help
- Presents an example as a lesson refresh



Adaptive Homework & Practice Powered by Knewton

Deliver just-right math content to each student. Personalize math practice and homework. Increase student engagement in a big way.

- Pinpoints the right grade-level and prerequisite skill
- Delivers both instruction and practice
- Offers real-time snapshots of progress
- Integrates online with each Grade 3-5 enVisionmath2.0 lesson

Everything Right for Every Learner

A variety of engaging differentiation options in each lesson encourages and challenges students of all learning levels.



LESSON STEP 3

I Intervention Activity

Differentiate after every lesson to keep learners on track.



Intervention Activity I

Adding and Subtracting on the Number Line

Materials

Red, blue, and green crayons

- Ask students to draw and label number lines divided into sixths.

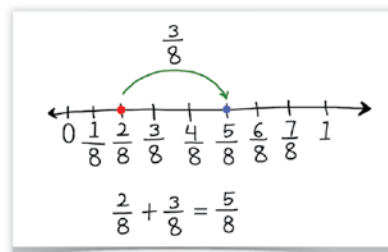
- Have students mark $\frac{5}{6}$ with a red dot.

- Have students draw a green arc from $\frac{5}{6}$ to $\frac{2}{6}$ and write $\frac{3}{6}$ above the arc.

- Students should use a blue dot to mark the location of the answer. [$\frac{2}{6}$]

- Have students write the equation modeled by the number line. [$\frac{5}{6} - \frac{3}{6} = \frac{2}{6}$]

- Repeat the process by drawing a number line divided into eighths and showing $\frac{2}{8} + \frac{3}{8}$.



Teacher Guided Activity

gives students the extra help they need.

Reteach to Build Understanding

offers a fresh approach: stepped-out, scaffolded support solidifies understanding.



I Intervention O On-Level A Advanced

Differentiate with technology to reinforce learning.



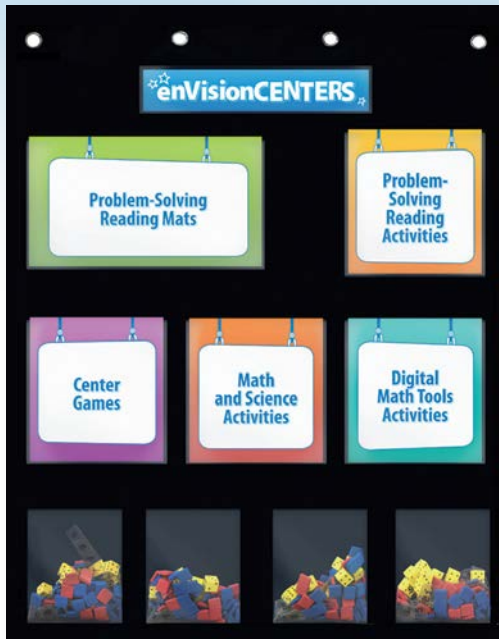
Math Tools and Math Games

reinforce concepts, critical thinking, and application.



O On-Level **A** Advanced

Differentiate in Activity Centers to engage learners.

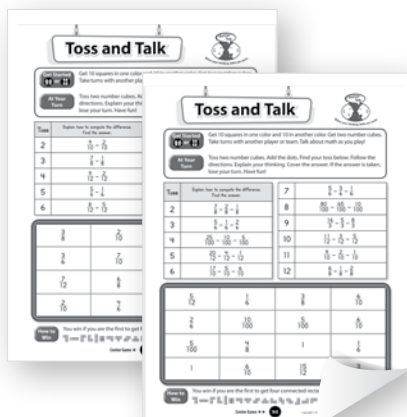
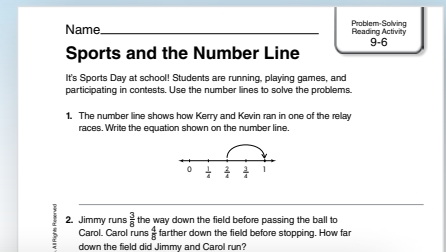


Quick and Easy Centers Kit for Differentiated Instruction

gives access to all centers materials.

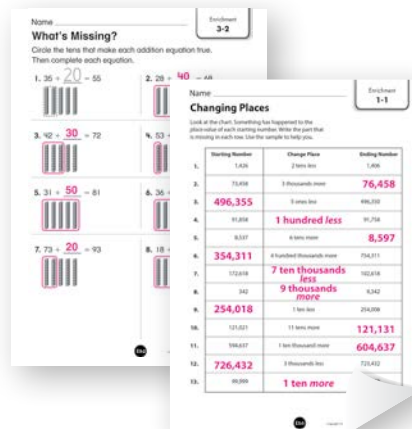
Problem-Solving Reading Mats

apply math understanding in a real-world context from DK books.



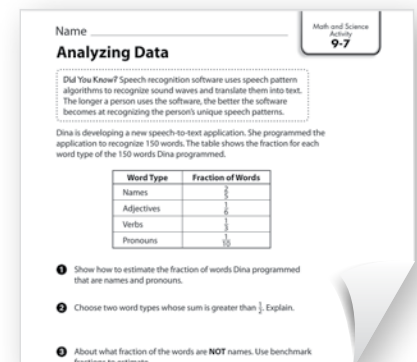
Centers Games

provide practice in seven different game formats and include Partner Talk.



Enrichment Resource Masters

challenge advanced learners with more relevant, personalized instruction.



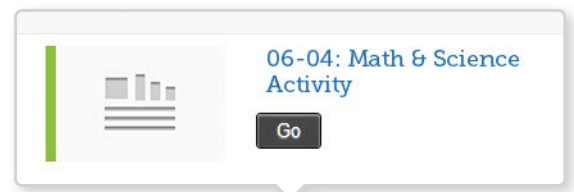
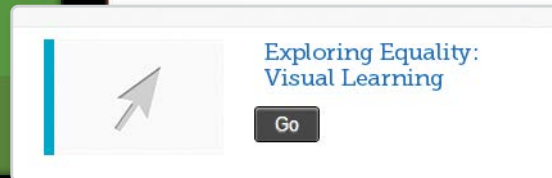
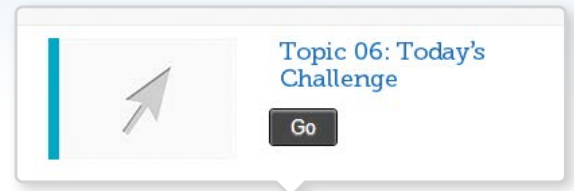
Math and Science Activities

relate math to the science theme that's introduced in the Topic Opener.

Comprehensive, Not Complicated



I Intervention **O** On-Level **A** Advanced
Rigor at individual learner levels



Realize Centers allow you to create different learning stations using the technology in your classroom.

- Each station is identified by a unique image easily recognized by students.
- Each image provides a lesson differentiation resource.
- You can easily assign pre-built, digital resources to devices for individuals or small groups.
- Age-appropriate theme options are provided.



Challenge and support for Next-Generation Assessments

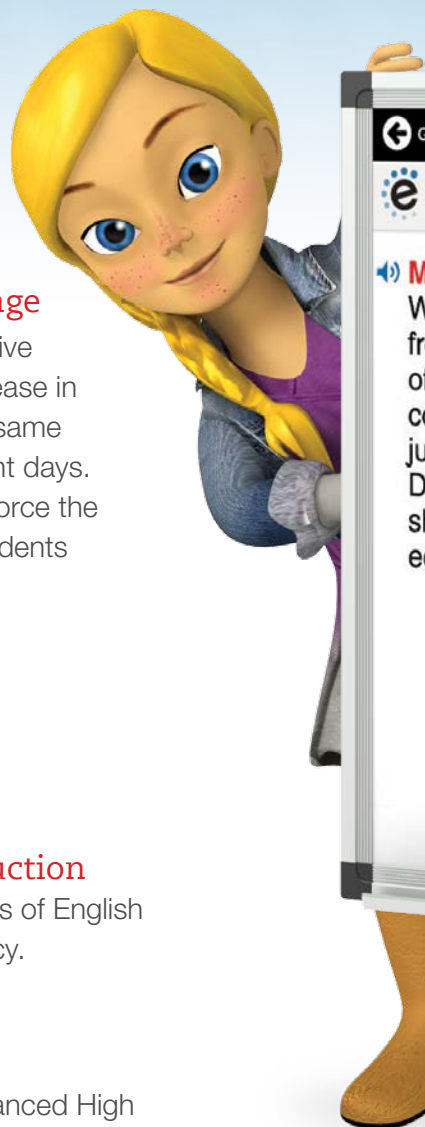
Today's Challenge

Online provides five problems that increase in difficulty using the same data on five different days. The problems reinforce the kind of thinking students need for success.

Daily ELL instruction

includes three levels of English language proficiency.

- Beginning
- Intermediate
- Advanced /Advanced High



Go back Topic 9: Today's Challenge

Today's Challenge

Day 1 2 3 4 5 DIY

Model with Math

Write two equivalent fractions for the green part of the drops of food coloring used to make a jungle green carnation. Draw a number line to show the fractions are equivalent.

Food Coloring to Put in Water to Change the Color of a White Carnation

Carnation Color	Drops of Food Coloring
Orange Sunset	10 yellow and 2 red
Purple	6 red and 4 blue
Jungle Green	6 green and 2 yellow
Watermelon Red	7 red and 1 blue

5 of 7

ENGLISH LANGUAGE LEARNERS

Reading Use visual and contextual support. Use before the Visual Learning Bridge on Student's Edition p. 496.

Draw a number line for fourths. Label $0, \frac{1}{4}, \frac{2}{4}, \frac{3}{4},$ and 1 . Have students read the fractions. Discuss how the fractions decrease in value to the left and increase in value to the right. Relate this to whole numbers on the number line.

Beginning Draw a number line for sixths. Label with $0, \frac{1}{6}, \frac{2}{6}, \frac{3}{6}, \frac{4}{6}, \frac{5}{6},$ and 1 . Ask students to take turns pointing to the tick marks and reading the fraction labels.

Intermediate Draw a number line for sixths. Label the tick marks for $0, \frac{1}{6},$ and 1 . Ask students to take turns filling in the missing fractions and reading them aloud. Do the fractions increase or decrease as you move to the right on the number line?

Advanced Draw a number line for sixths. Label the tick marks for $0, \frac{1}{6},$ and 1 . Ask students to take turns filling in the missing fractions and reading them aloud. Ask

students to discuss the relationship between the values on the number line. Do the fractions increase or decrease as you move to the right on the number line? What fraction is two equal segments to the right of $\frac{3}{6}$?

Summarize How can reading a number line help you solve math problems?

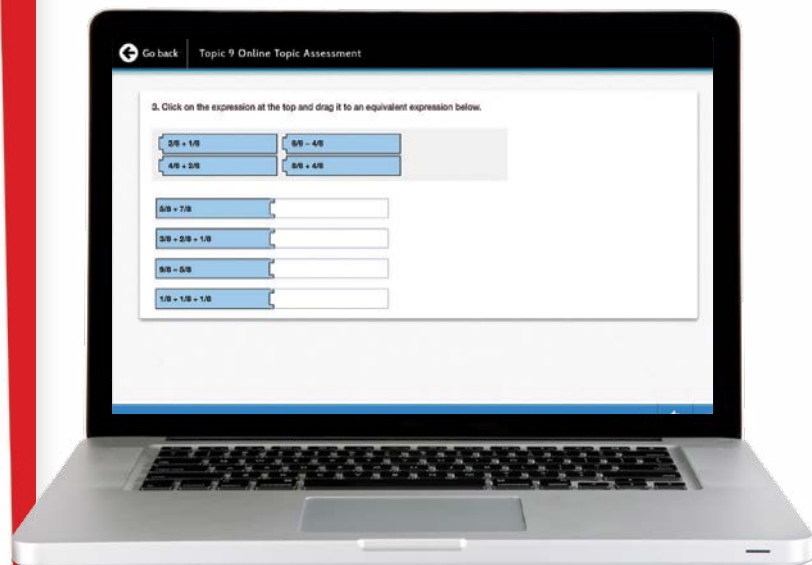
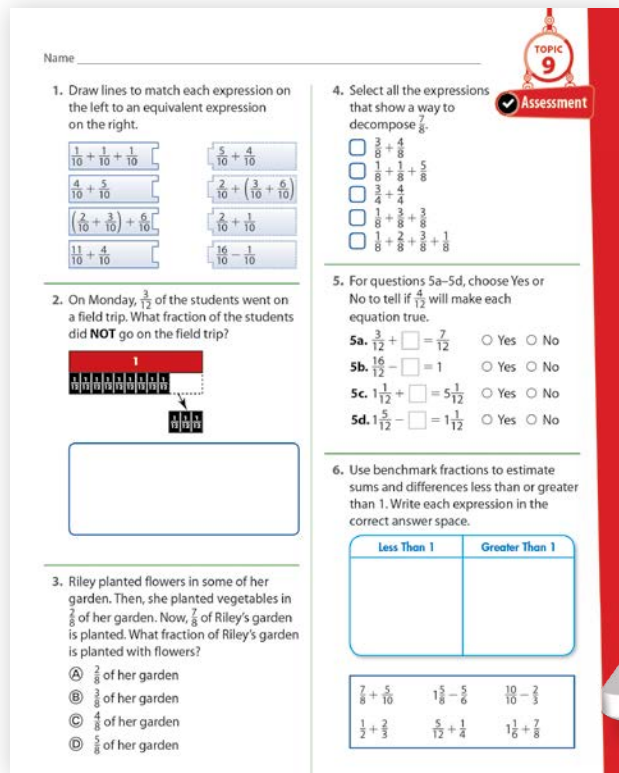
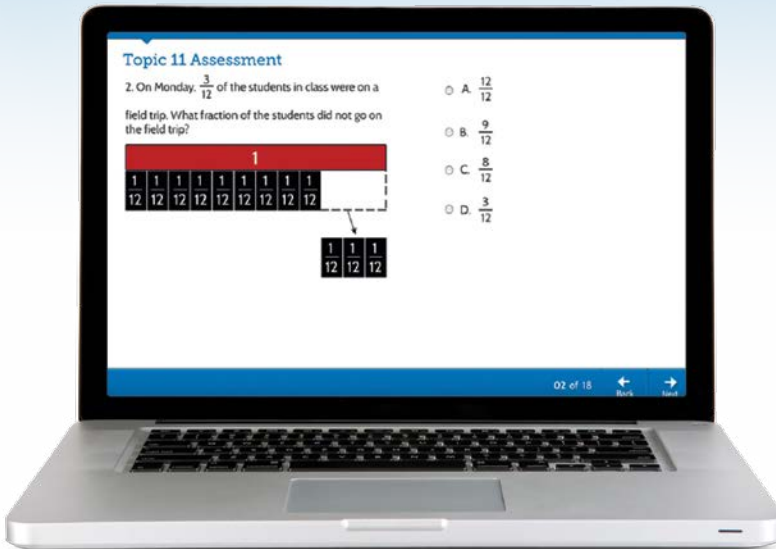
Assessment

Assessments require students to demonstrate the kind of thinking called for in the curriculum and prepare students for major assessments.

Prepare Students for High-Stakes Tests

Your students can log on and practice with online test items, navigate through a test, and use interaction.

- ✓ Multiple Choice
- ✓ Multiple Correct Multiple Choice
- ✓ Drag & Drop
- ✓ Inline Choice (drop-down menu)
- ✓ And so much more!



Practice with New Assessment Items

Students have the opportunity to work with multi-step and multi-part items in print and digital.

Review What You Know

A-Z Vocabulary

Choose the best term from the box.
Write it on the blank.

1. _____ are the symbols used to

A group of 3 digits in a number

DIAGNOSTIC Assessment Options include:

- Placement Tests (Print)
- Placement Tests (Online)
- Review What You Know (Topic Level)

Do You Understand?

Show Me! Does

5 +
How

Guided Practice Count on to find the sum. Then change the order of the addends.

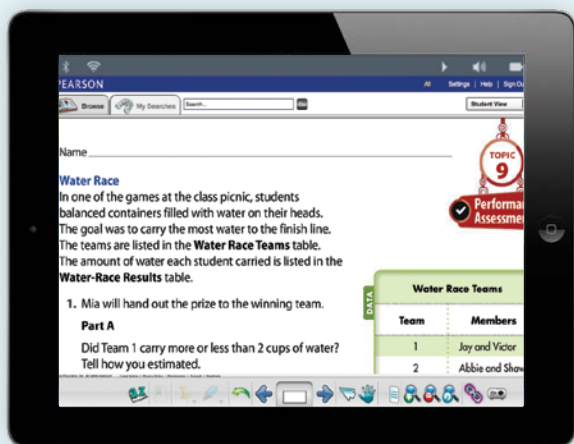
1. $3 + 1 = 4$

$1 + 3 = 4$

2. $4 + 3 = \square$

FORMATIVE Assessment Options include:

- Visual Learning Animation Plus
- Questions to Use with the Visual Learning Bridge
- Do You Understand? and Show/Convince Me!
- Guided Practice
- Quick Check (Print/Online)



SUMMATIVE Assessment Options include:

- Topic Assessments (Print/Online)
- Topic Performance Assessments (Print/Online)
- ExamView® DVD-ROM
- Fluency Assessments
- Cumulative/Benchmark Assessments (Print/Online)
- End-of-Year Assessments (Print/Online)

Add the Power of Realize

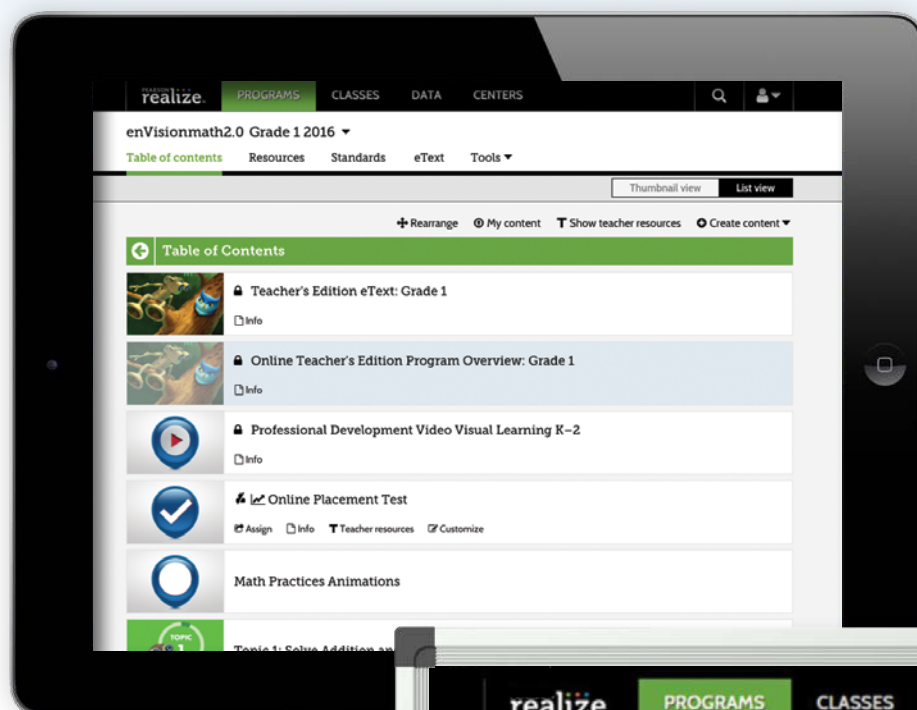
Customize the curriculum and make data-driven decisions. The Realize online management system offers flexibility in planning, teaching, learning, and progress monitoring.

From Fixed to Flexible

Reorder topics and lessons to meet your own district sequence and curriculum guide.

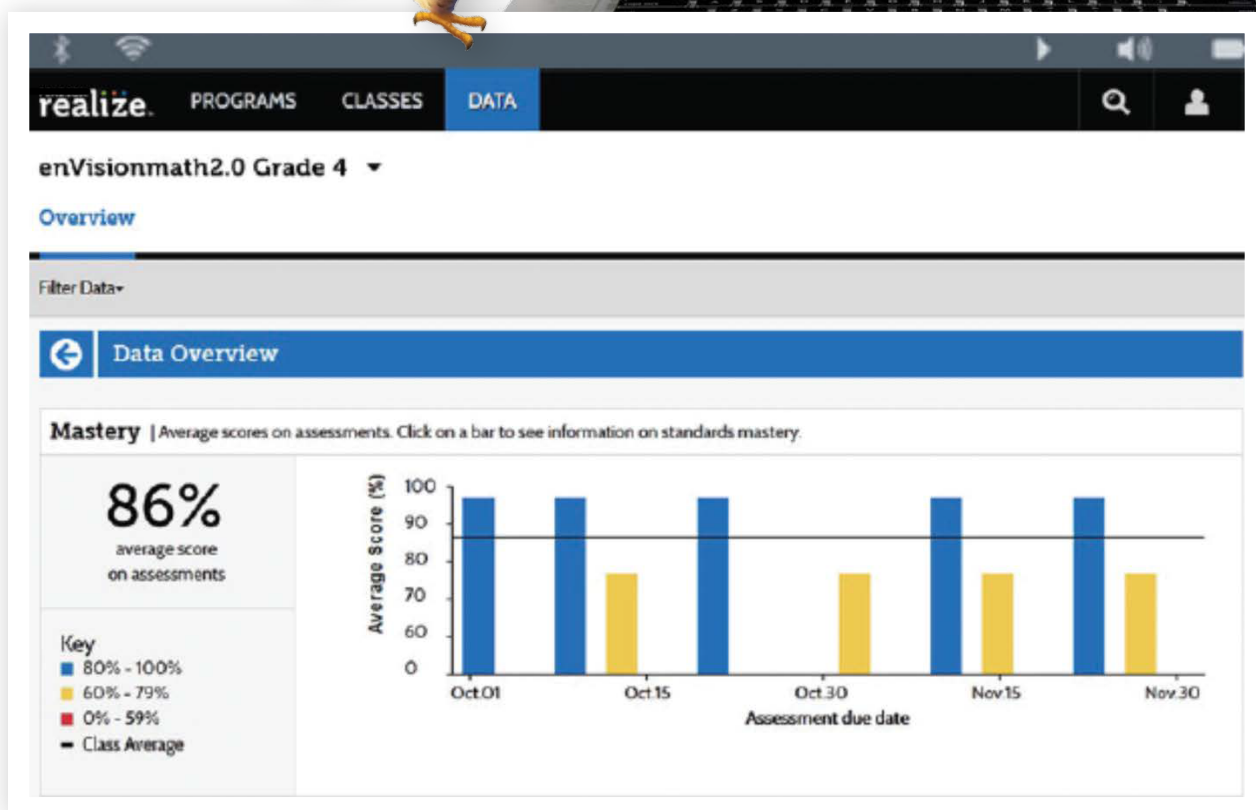
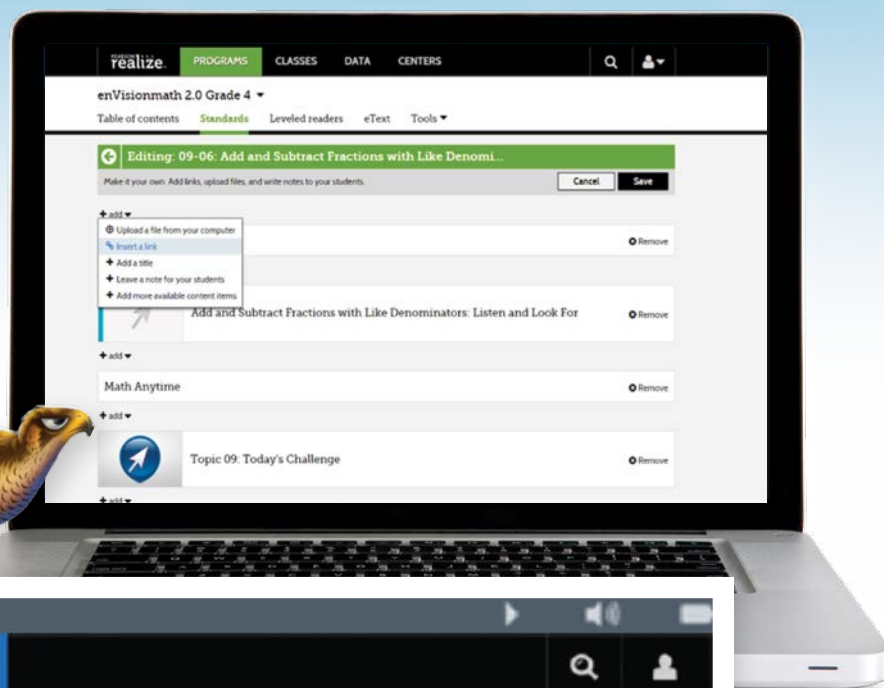
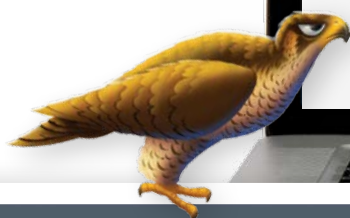
Easy to Search and Find

Search by keyword.
Find lessons, resources,
and assessments.
It's simple and quick.



Made for You, by You!

Upload content and add Web links directly to your lesson planner. Edit resources to meet the needs of your classroom. Access and upload files directly from Google Classroom.



Clear and Usable Data

Check progress with individual and class views. Reports show mastery, progress, and usage data to inform instruction.

Components

All materials available at SavvasRealize.com



Digital Resources DVDs

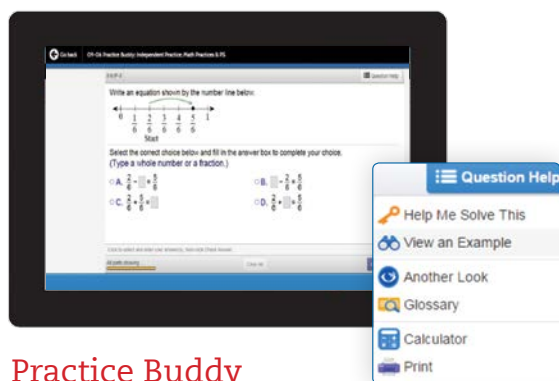
All online assets used in a topic/lesson:

- Today's Challenge
- Solve & Share
- Visual Learning Animation Plus
- Math Tools, and more!

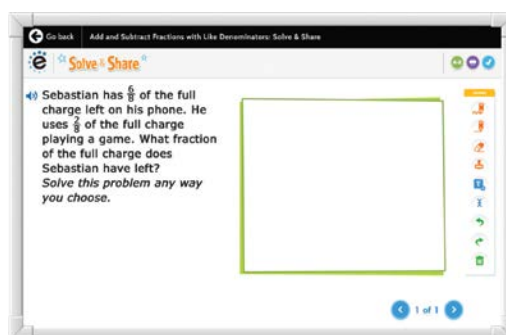


Another Look Homework Video

Also access through BouncePage App



Practice Buddy Interactive Learning

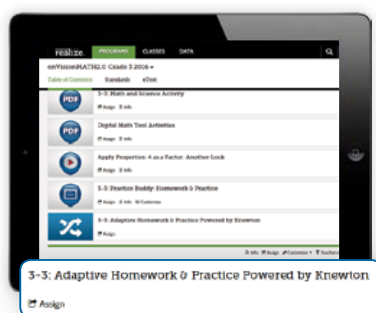


Solve & Share



Visual Learning Animations Plus

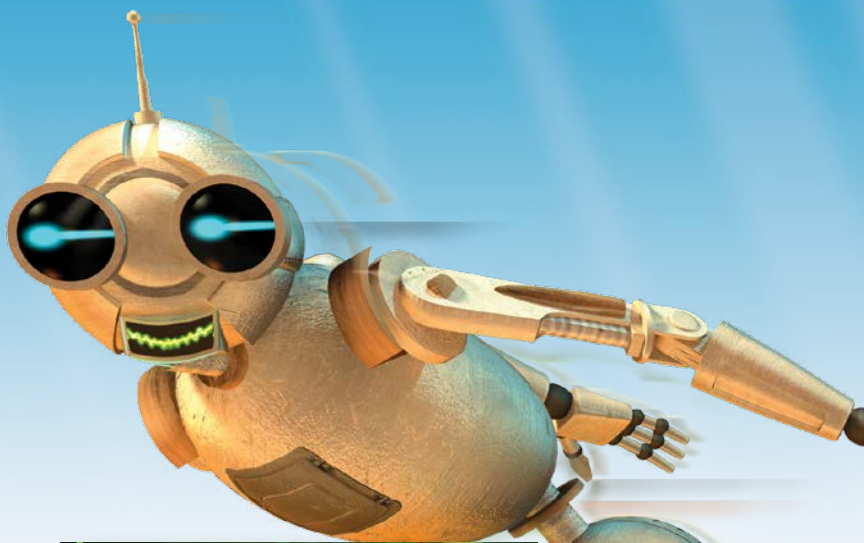
Also access through
Bounce Page App



Adaptive Homework & Practice

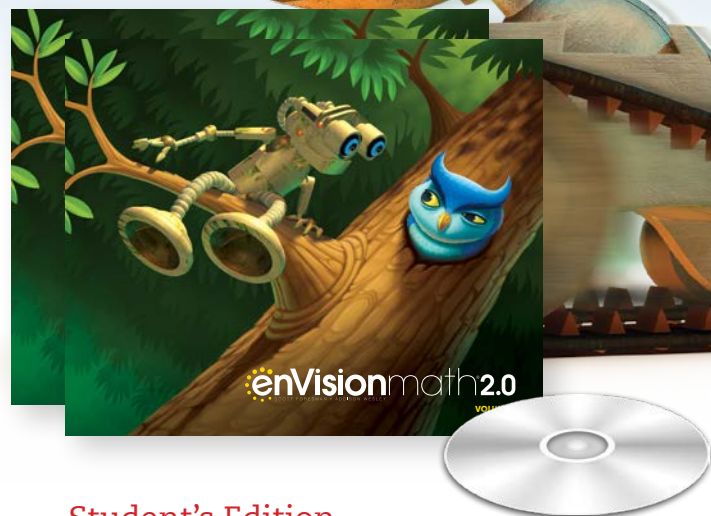


Math Tools, Math Games, and Today's Challenge



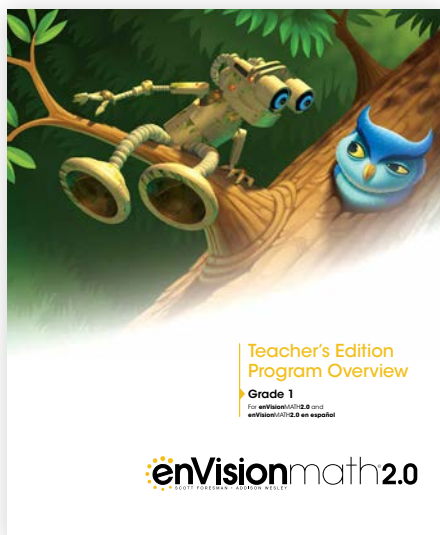
Teacher's Edition

- Print, eText Online, and DVD-ROM
- 2 volumes for ease of use
- Leveled ELPS instruction



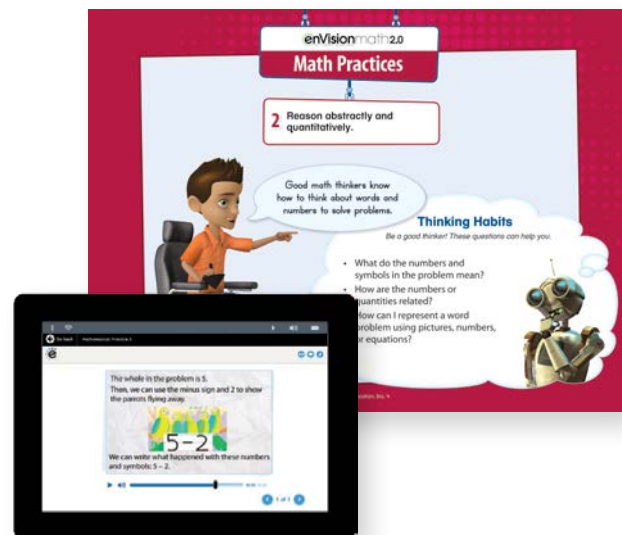
Student's Edition

- Consumable, 2 volumes
- Built-in homework
- Print, eText Online, and CD-ROM



Teacher's Edition Program Overview

includes pacing, scope and sequence, correlation, and more.



Math Practice Posters and Math Practice Animations

make practice engaging for all students.

Components



Teacher's Resource Masters

- 2 volumes
- Program blackline masters



Assessment Sourcebook

- Placement Test
- Basic-Facts Timed Test (Grades 1-5)
- Topic Assessment
- Topic Performance Assessment
- Cumulative/Benchmark Assessment
- 3/4-Year Performance-Based Assessment
- End-of-Year Assessment



Interactive Math Story Books and Animated Stories (K-2)

- Introduces new topics
- Emphasizes interactive learning



Quick and Easy Centers Kit for Differentiated Instruction

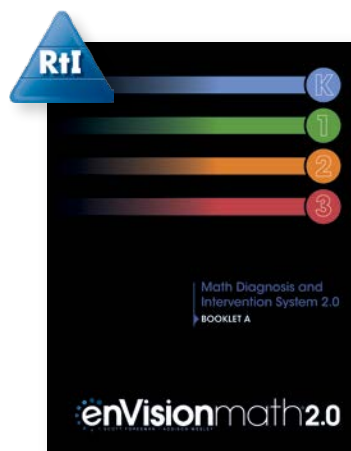
Pocket organizer for center resources:

- Centers Games, On-Level and Advanced
- Math and Science Activities
- Problem-Solving Reading Mats and Activity Sheets
- Digital Math Tools Activities
- Centers Kits
- Activity Guide



ELL Toolkit

- Additional support with ELL strategies for each lesson
- Problem-based, interactive activities
- Connects new concepts to prior learning



Math Diagnosis and Intervention System 2.0

- Assess students' progress
- Monitor progress over time
- Intervention tied to lesson
- Includes Teacher's Guide and tests

Manipulative Kits

- Centers, Teacher Demonstration, Individual Student



Problem-Solving Reading Mats and Activity Guide

- Used twice per Topic
- Data-filled mat uses colorful images
- Lesson-specific problems use data from mat
- Activity Guide suggests additional uses

Also Available!
enVisionmath2.0
en Español

Professional Development Videos

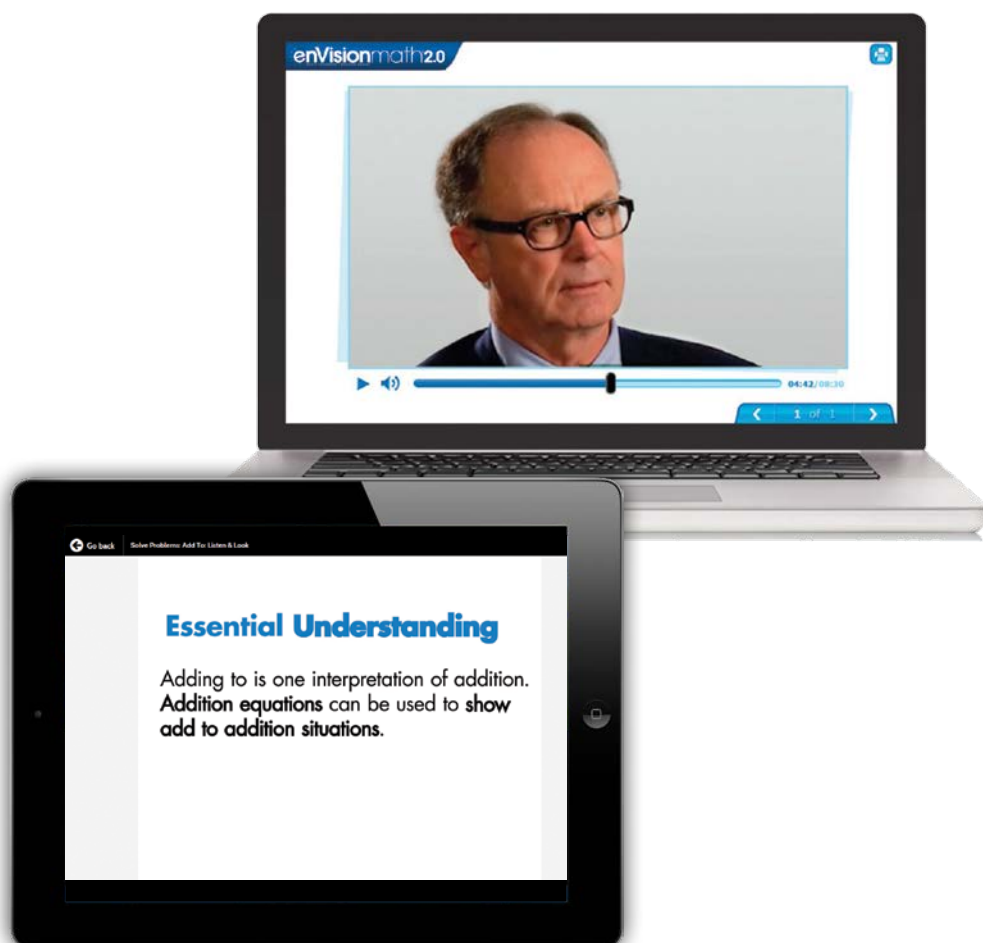
- Online and mobile access
- Quick “watch me first” videos for each Topic
- Author highlights important math concepts and skills

Listen and Look For Videos

- Online and mobile access
- Short videos for every lesson
- Model student thinking and outcomes

mySavvasTraining.com

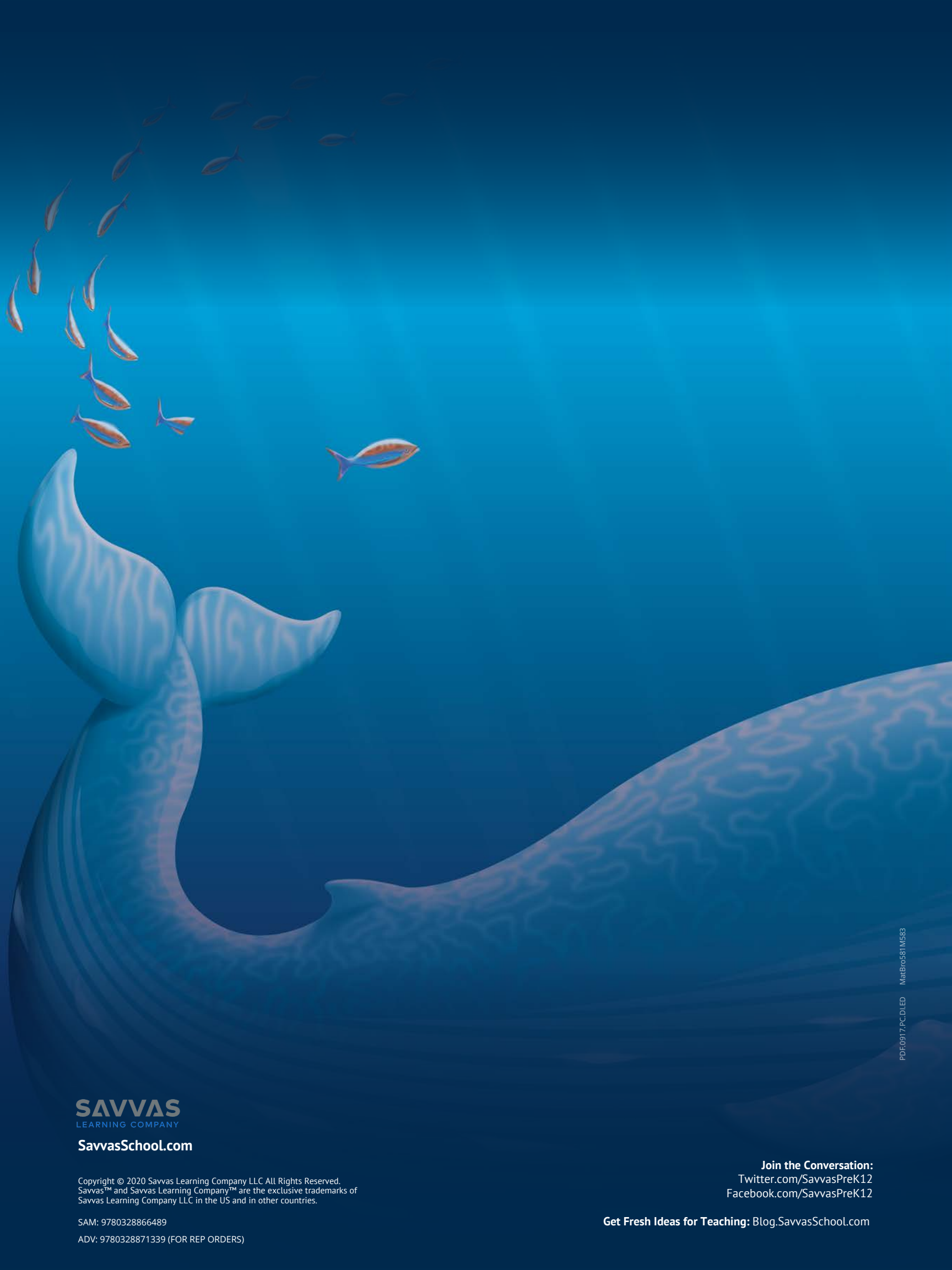
- Online tutorials and user guides
- Implementation ideas
- Available 24/7



MANIPULATIVES	K	1	2	3	4	5	Individual Student Kit	Basic Classroom Demo Kit
Attribute Blocks, Set/30	•						•	•
Coins, Assorted, Set/51	•	•	•	•	•		•	•
Bills, Paper Money, Set/40				•	•		•	•
Pattern Blocks, Set/27	•	•	•		•		•	•
Snap Cubes®	•	•	•				• (50)	• (100)
Two-Color Counters	•						• (30)	• (50)
Two-Color Counters		•	•	•	•		• (20)	• (50)
GeoSolids, Set/12	•	•	•					•
Base Ten Cube 5			•	•	•	•		•
Base Ten Flats, Set/10		•	•	•	•	•	•	•
Base Ten Rods, Set/20		•	•	•	•	•	•	•
Base Ten Units		•	•	•	•	•	• (20)	• (100)
Dice, Blank (2 dice w/ 50 labels)		•	•	•	•	•	•	•
Color Tiles, 3/4"			•				• (20)	• (400)
Rainbow Fraction® Tiles, Set/51				•	•	•	•	•
Masses, Hexagram, Set/54				•				•
Power Solids in Acetate Box				•				•
Big Time Learning Clock 12-hour Demo		•	•	•	•			•
Balance (style varies by grade)	•	•		•	•			•

* Center Manipulative Kits contain 100 color tiles, 2 yellow number cubes, and 10 number tiles at every grade level.





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LEARNING COMPANY

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ADV: 9780328871339 (FOR REP ORDERS)

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[Facebook.com/SavvasPreK12](https://facebook.com/SavvasPreK12)

Get Fresh Ideas for Teaching: [Blog.SavvasSchool.com](https://blog.savvaschool.com)