digits™
GRADES 6–8

power

ONLINE
TOUR

digits runs on Pearson's Realize platform, your online destination for Common Core State Standards curriculum, flexible management tools, and embedded assessments. Realize gives you anywhere, anytime access to all instruction, resources, data, and professional development—delivered instantly and easily at point of use.

Create Your Demo Account

Go to www.pearsonrealize.com to start the registration process.

1. Click on the Sign Up button.

2. Click the Enter Your School Code button.

3. Enter the School Code as shown, with dashes: **22-66-90**

   Type the school name (DO NOT copy and paste): **CA Mathematics Reviewer School** (this code expires July 1, 2015)

   Be sure to select this school name from the drop-down menu.

4. Click the Next button and answer the remaining questions to complete your registration. You will automatically be brought to the Pearson Realize log in page.

5. Sign In to Pearson Realize with your new account. Select the grades that you teach and the ***digits*** California Common Core courses you wish to access.

   Create your ***digits*** California Common Core Realize username and pick a profile icon.

   Choose a background image, agree to the license agreement, and—Let's go!

All implementation models:
• All print (with projected in-class lessons)
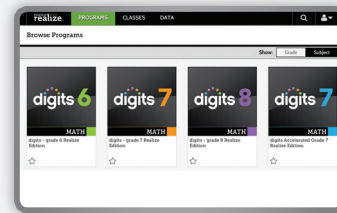• Blended print and digital
• All digital

3

3

Navigate a Lesson

Step 1

Click "PROGRAMS" to display your *digits* demo courses.

Step 2

Select the *digits* demo course you wish to explore. (The sample lesson in this guide is in Grade 6, but any lesson will work).

Step 3

This is the grade-level Table of Contents for the *digits* demo course you selected. You now have access to *everything* in this course, including full instructional content, Intervention Lessons, progress monitoring, teacher resources, and more. Select a Unit to review. (The sample lesson in this guide is in Grade 6, Unit A, but any Unit will work).
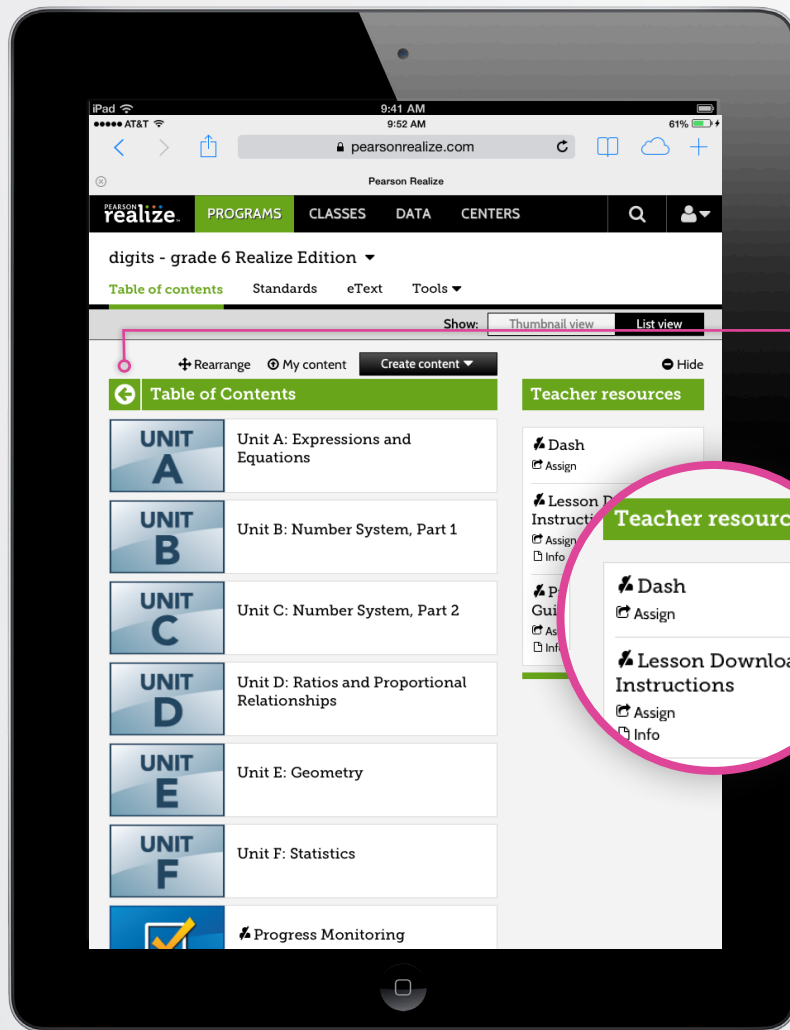
Teacher resources for the whole course are on the right. If they are not displayed, click [**T** Show teacher resources] above the Table of Contents to see them.
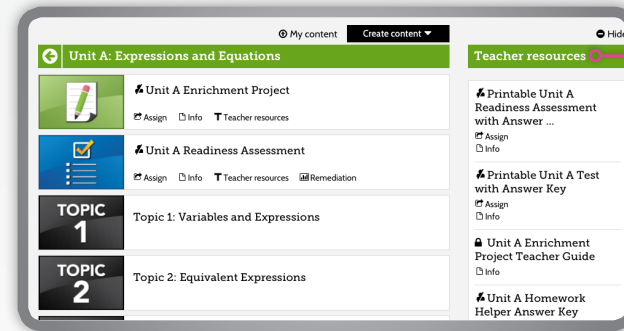
Step 4

Select the Topic you wish to review. (The sample lesson in this guide is in Grade 6, Unit A, Topic 1, but any Topic will work). Note the Unit-level teacher resources on the right; if necessary, scroll down to see everything.
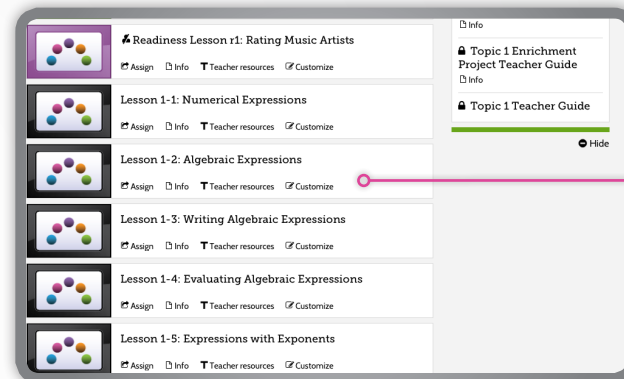
Step 5

Select the digital Lesson you wish to review. (The sample lesson in this guide is in Grade 6, Unit A, Topic 1, Lesson 2: Algebraic Expressions, but any Lesson will work). Note the Topic-level teacher resources on the right.
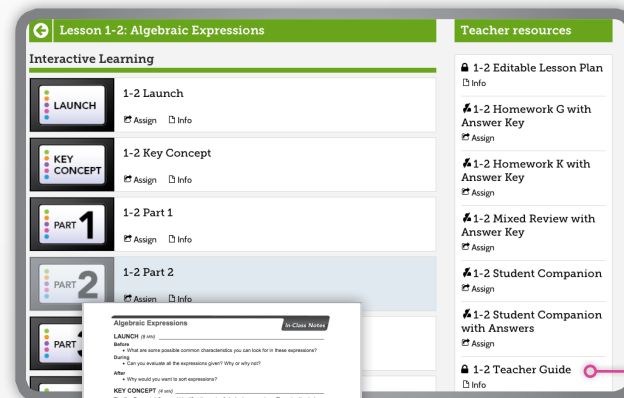
Step 6

Once you open a Lesson, observe the different lesson parts. Scroll down as necessary to see the digital homework icons [🔲]. Explore the Teacher resources on the right, such as printable versions of online homework, the editable Lesson Plan, and the Teacher Guide.
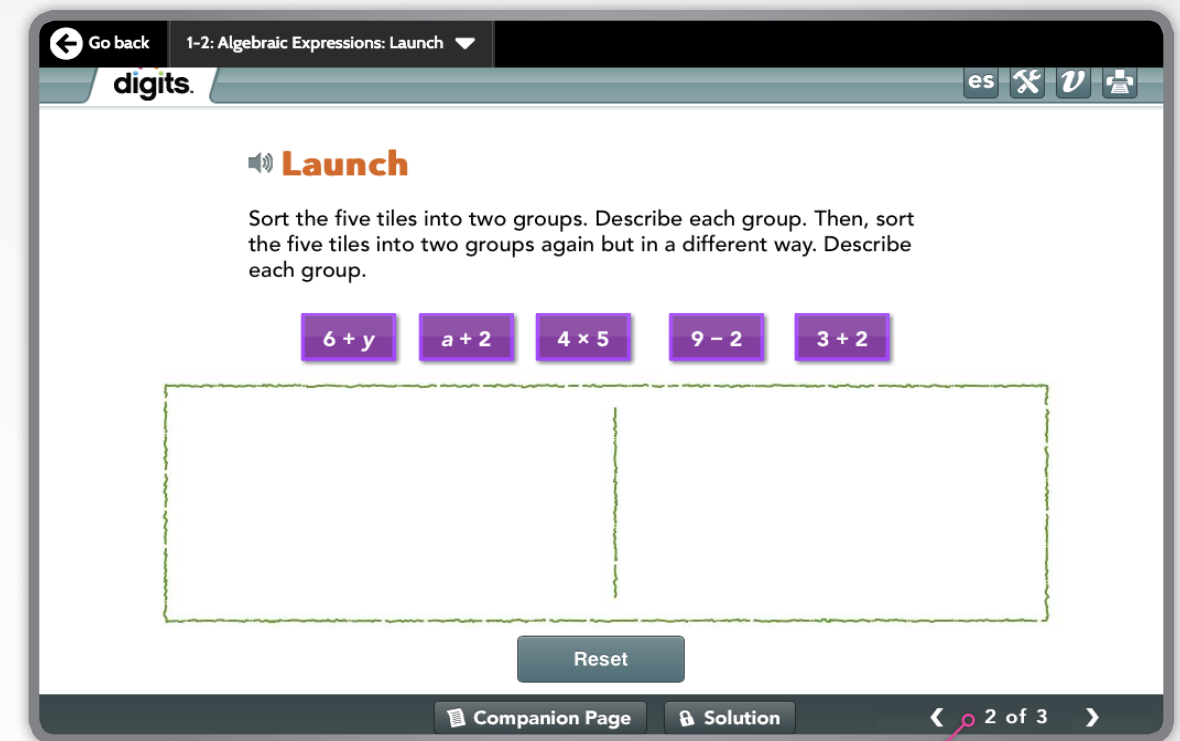
Review Teacher Guide pages and Lesson Notes before teaching a lesson.

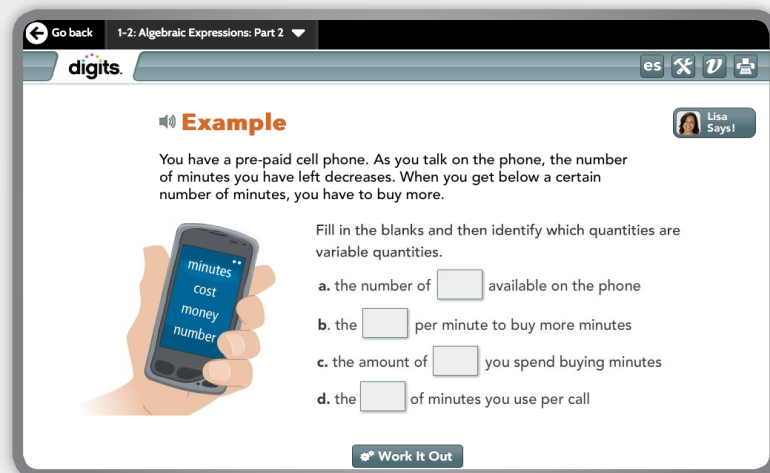You now have access to the ***digits*** three-part lesson. Let's walk through this daily lesson structure.
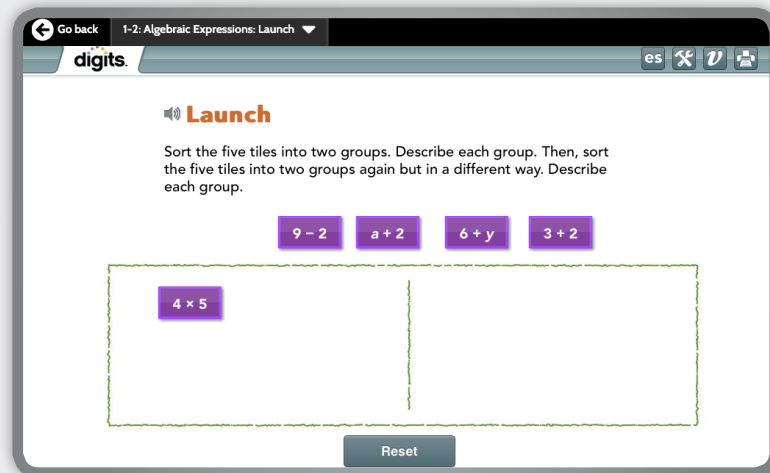
1. Launch

The Lesson Launch feature is designed to introduce the lesson concept through student engagement with a real-world problem, and discussion about the mathematics. Interactive features, such as drag-and-drop activities, help captivate students' attention.

2. Examples

The lesson Examples offer you the flexibility to guide student learning and conversation about the mathematics.

Screen controls allow you to advance through each lesson part on your command. Advance through all screens now.
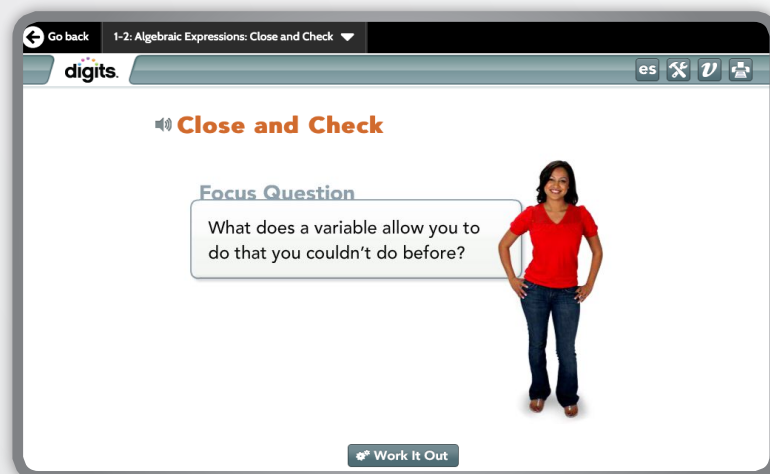
3. Close and Check

The Close and Check is where the students reflect on the lesson Focus Question. You can check for procedural fluency with the *Do You Know How?* questions and for conceptual understanding with the *Do You Understand?* questions in the Student Companion.
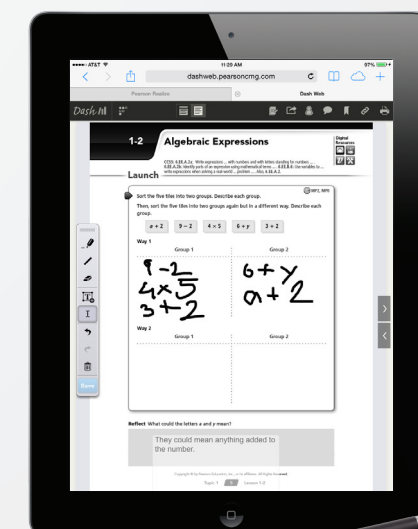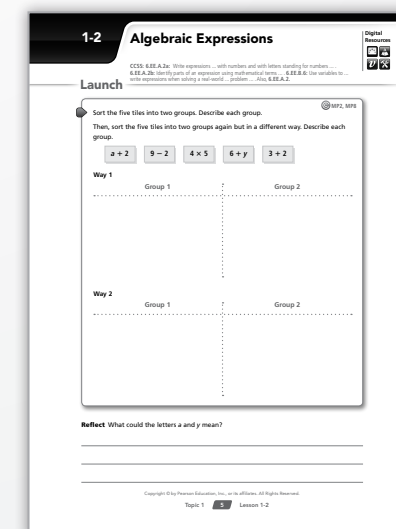
As students are connecting with the mathematics as a class, in small groups, or as individuals, they are recording their reasoning in their Student Companion via the Write-In Worktext or the ACTIVe-book pages online.

En español

Una expresión variable, o expresión algebraica, consiste en números, variables y signos de operaciones.

Variable
letra que representa un valor desconocido

Término
un número, una variable o el producto de un número y una o más variables

Constante
término que sólo contiene números

Pearson Realize — Digits Glossary

digits.

English | A-Z | Show all items... | Topic Vocabulary

English
Español

Algebraic expression
An algebraic expression is a mathematical phrase that consists of variables, numbers, and operation symbols.

Example
$x - 7$, $n + 2$, and $5d$ are algebraic expressions.

Click the "es" button for the Spanish translation of the on-screen text.

Click the "V" button (Vocabulary & Key Concepts) to access the Audio-visual Glossary. Audio is available in both English and Spanish.

Some lessons contain a Key Concept, which often includes vocabulary definitions with visual representations.

Go back | 1-2: Algebraic Expressions: Key Concept

digits.

es

Key Concept

Algebraic Expressions

Show/Hide All

▼ **Variable**
  a letter that represents an unknown value

▼ **Term**
  a number, a variable, or the product of a number and one or more variables

▶ **Constant**

▶ **Coefficient**

A variable expression, or algebraic expression, consists of numbers, variables, and operation symbols.

Variables
x y
Terms

Click on the arrows in the orange box to reveal the definition.

Click on the square to show a visual representation on screen.

Use the drop-down menu to navigate between lesson parts.

Go back | 1-2: Algebraic Expressions: Part 2

digi

1-2 Launch
1-2 Key Concept
1-2 Part 1
1-2 Part 2
1-2 Part 3
1-2 Close and Check
1-2 Homework G
1-2 Homework K
1-2 Mixed Review

es

is something you can measure.
quantity is a quantity that varies, or changes.

Work It Out

Each lesson is divided into multiple Examples. The Examples build on one another to ensure understanding. Various animations are included to support comprehension and engagement.

Go back | 1-2: Algebraic Expressions: Part 2

digits.

es

Got It?

Suppose you rent a bicycle to ride around a park. The rental fee is $12 for each hour the bike is rented and $5 for a helmet. Which quantity is *not* a variable quantity?

  I. The length of time you rent the bike

  II. The total cost of renting the bike

  III.The rental fee of the helmet

  IV.The distance you travel

Answer Choices | Correct Answer

Solution | 3 of 3

Each Example concludes with a Got It? problem to check understanding. This flexible formative assessment allows you to show answer choices, the correct answer, and a stepped-out solution via the buttons at the bottom of the screen.

Students record their understanding of mathematical concepts within the Student Companion (in print or on their ACTIVe-book pages).

After navigating through all Examples, click Close and Check.

Go back | 1–2: Algebraic Expressions: Close and Check ▼

digits | es ✗ v 🖨

🔊 **Close and Check**

Focus Question

What does a variable allow you to do that you couldn't do before?
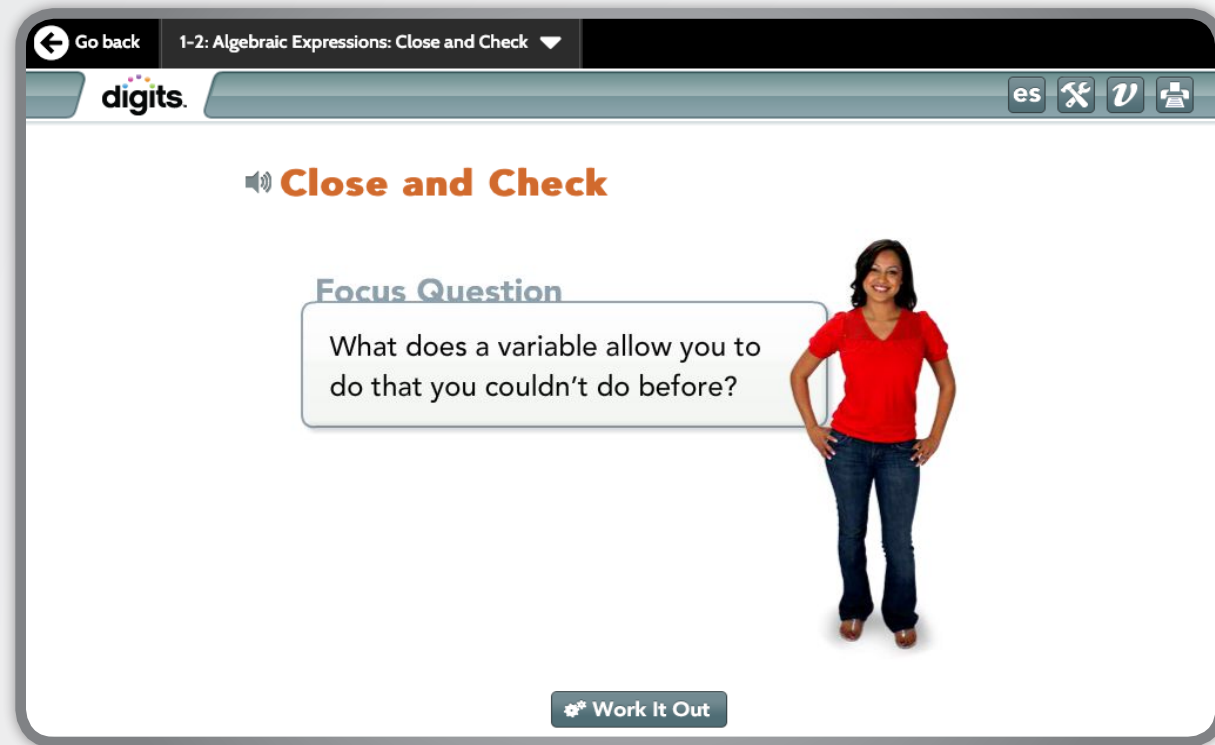
⚙ Work It Out

The Close and Check is where the students reflect on the lesson via the Focus Question. The Focus Question is designed to enable students to think about the Launch problem and Examples coherently. Click on Work It Out to create more space on screen to record class discourse or summarize the lesson.

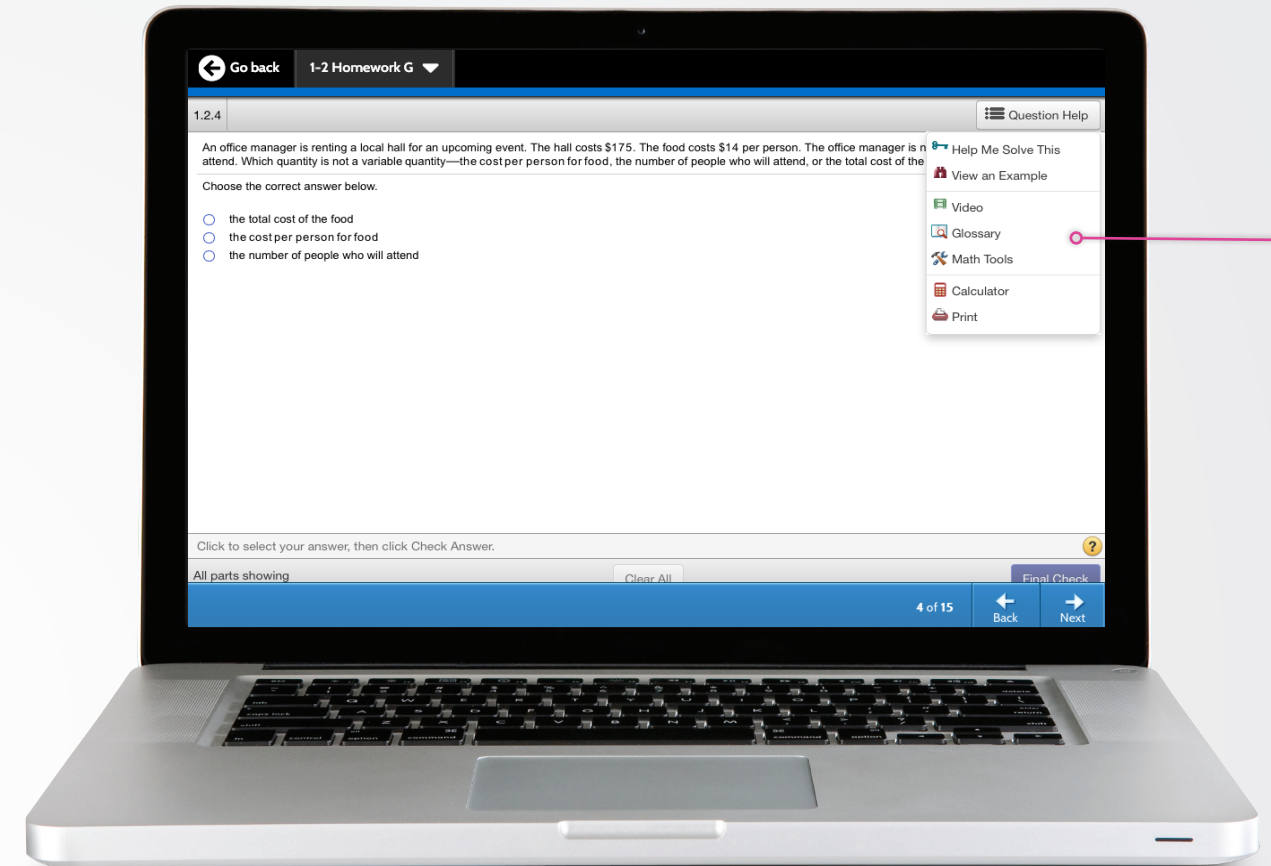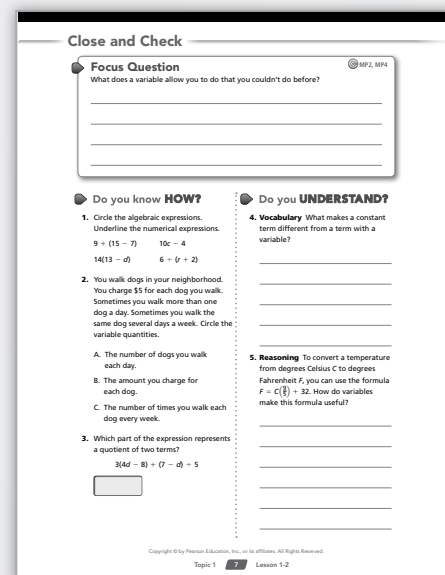Besides providing space for students to record their response to the Focus Question, the accompanying Student Companion page includes "Do You Know HOW?" and "Do You UNDERSTAND?" sections. Students quickly demonstrate their knowledge of skills learned in the lesson plus their ability to apply those skills through interpretation and analysis. This process provides you with an opportunity for formative assessment.

CONGRATULATIONS!
You have navigated through a daily *digits* lesson.

Go back | 1-2 Homework G ▼

1.2.4

An office manager is renting a local hall for an upcoming event. The hall costs $175. The food costs $14 per person. The office manager is n... attend. Which quantity is not a variable quantity—the cost per person for food, the number of people who will attend, or the total cost of the ...

Choose the correct answer below.

○ the total cost of the food
○ the cost per person for food
○ the number of people who will attend

Question Help
📣 Help Me Solve This
📖 View an Example
🎬 Video
📘 Glossary
🔧 Math Tools
🧮 Calculator
🖨 Print

Click to select your answer, then click Check Answer.

All parts showing | Clear All | Final Check

4 of 15 | Back | Next

digits homework has two parts:
1. Leveled Lesson Homework includes problems that support the instruction of the corresponding lesson. (Homework G is for above- and on-level students; Homework K is for below-level students)
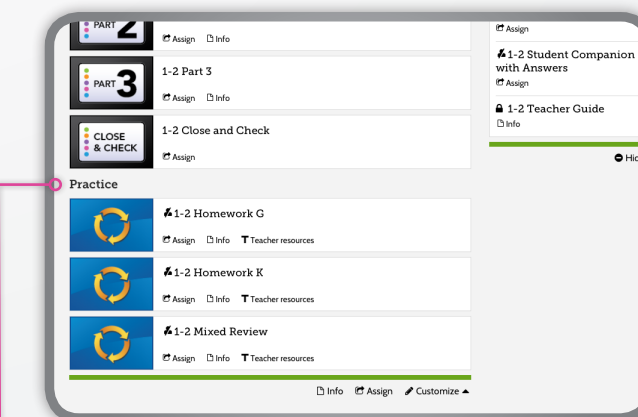2. Mixed Review contains exercises that address previously taught content.

Online homework is auto-graded and the data is automatically reported to you under the "DATA" tab in Realize. *digits* homework also includes learning aids, such as previously worked out examples, the ability to step out the current problem, glossary of key terms, digital manipulatives, and some help Videos.

PART 2
PART 3 | 1-2 Part 3
CLOSE & CHECK | 1-2 Close and Check

Practice
🔄 1-2 Homework G
🔄 1-2 Homework K
🔄 1-2 Mixed Review

📁 1-2 Student Companion with Answers
📁 1-2 Teacher Guide

digits
Homework Helper
Volume 1
Grade 8

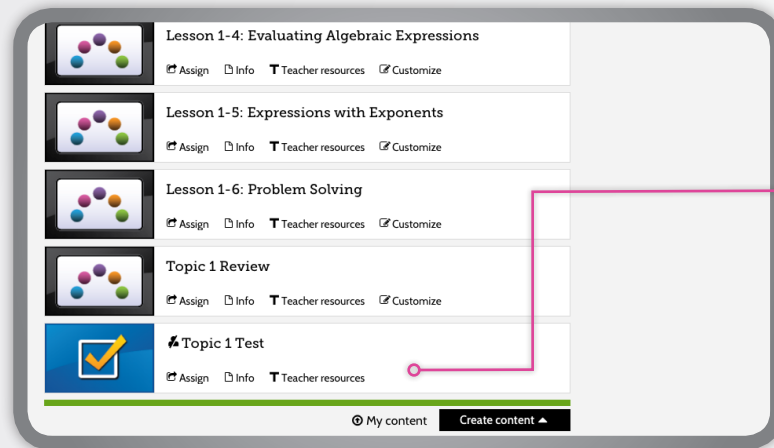Homework and Mixed Review can be viewed or assigned from the lesson's online Table of Contents.
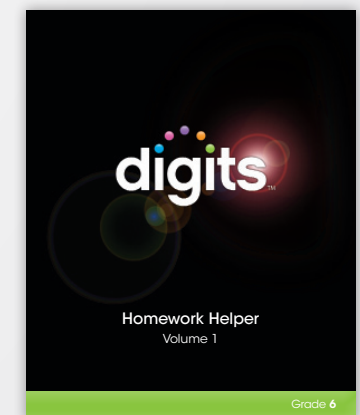
Daily homework can be printed as a worksheet and is also available within the Homework Helper reference guide.
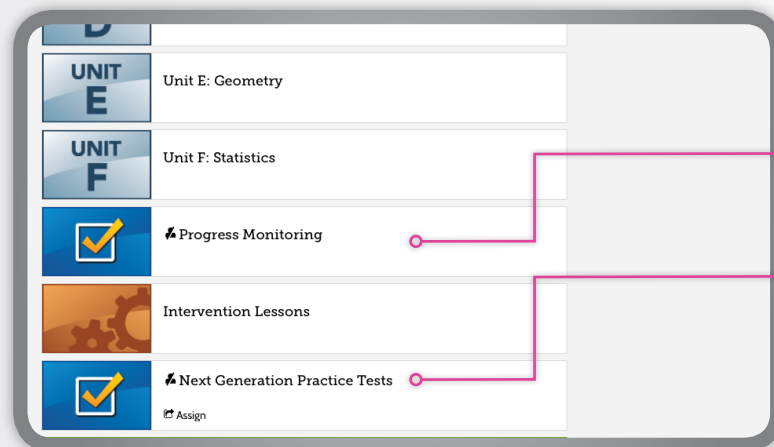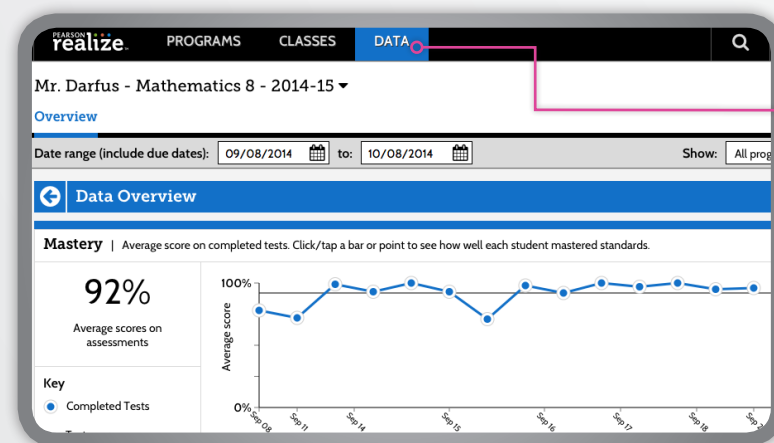
Additional

Assessment

Topic Tests are located at the end of each Topic within the topic-level Table of Contents.

Additional tests, including Diagnostic and Unit Assessments, are under the Progress Monitoring icon. Next-Generation Practice Tests are also available. Look for these resources at the end of the grade-level Table of Contents.


A variety of reports on mastery, progress, and usage are available by clicking Data in the Realize toolbar.

Resources

Math Tools

Click on the [i] icon for quick suggestions on how to use each digital manipulative.

Math Tools are virtual manipulatives that enable students to interact with, develop, and model math concepts in real time. They can also explore variations of a given math concept to deepen their understanding. Plus, the Math Tools support you in constructing and teaching math concepts visually.
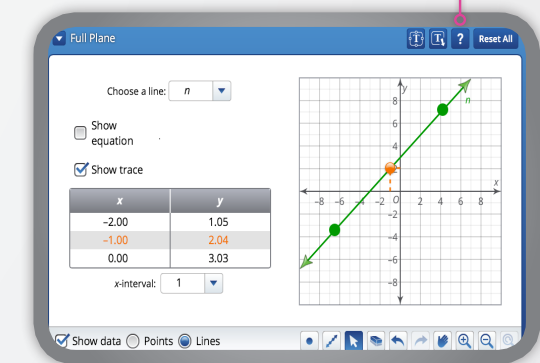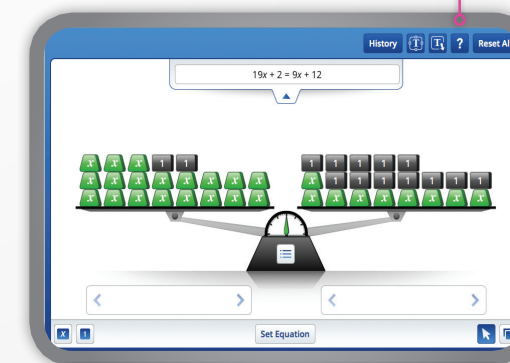
Click on the [?] icon for a short video presentation on how to use each tool.

Algebra Tiles

Coordinate Grapher
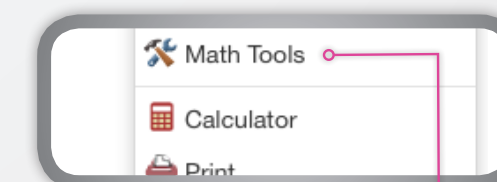
Click on the [✂] in any lesson to pull up the full menu of Math Tools. The same set of tools are also available right in the online homework at point of use.

Unit Structure

Unit A

Readiness Assessment

TIER 3
TIER 2
TIER 1

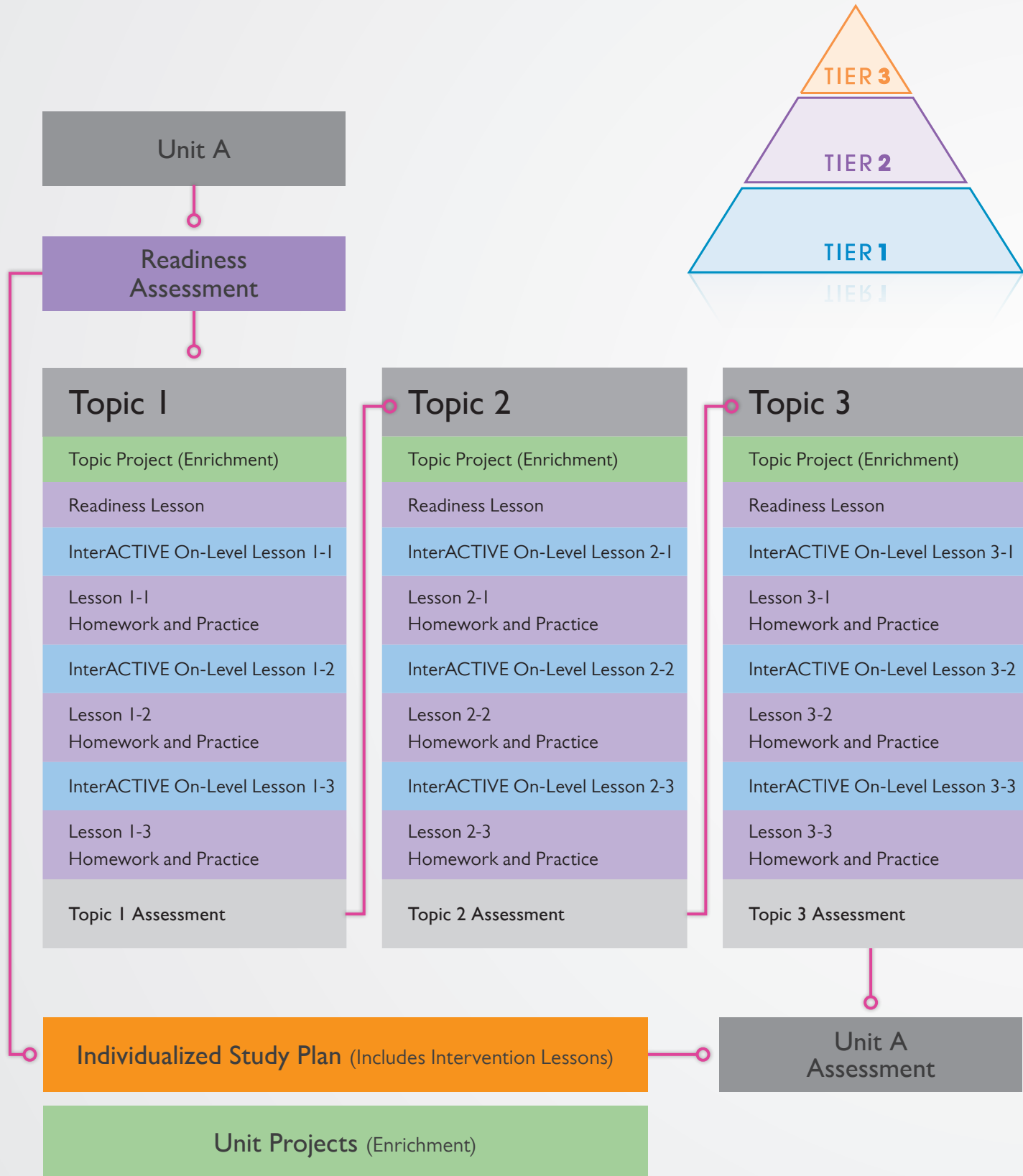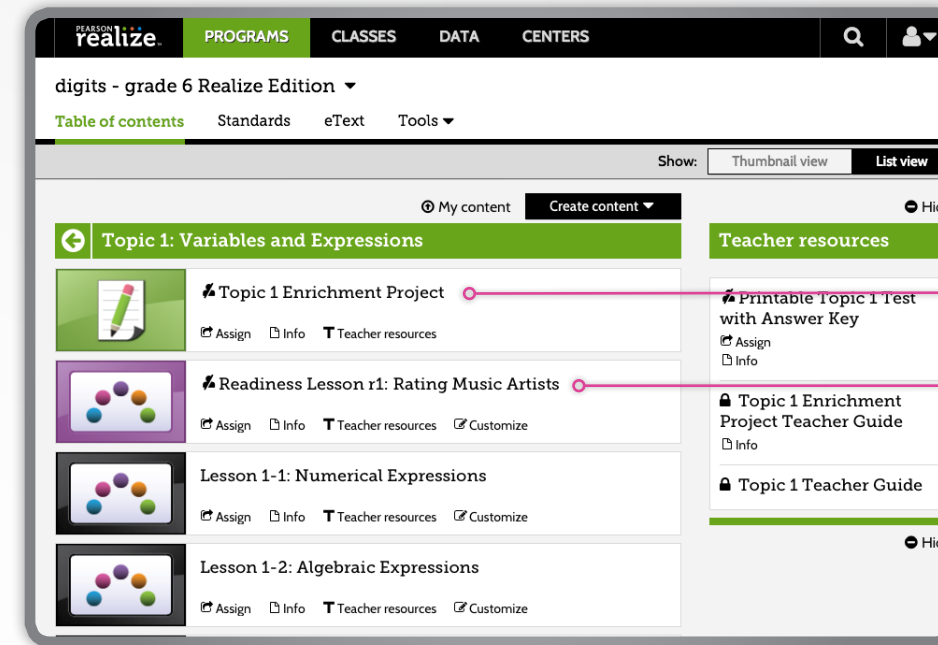| Topic 1 |
| --- |
| Topic Project (Enrichment) |
| Readiness Lesson |
| InterACTIVE On-Level Lesson 1-1 |
| Lesson 1-1 Homework and Practice |
| InterACTIVE On-Level Lesson 1-2 |
| Lesson 1-2 Homework and Practice |
| InterACTIVE On-Level Lesson 1-3 |
| Lesson 1-3 Homework and Practice |
| Topic 1 Assessment |

Topic 2
Topic Project (Enrichment)
Readiness Lesson
InterACTIVE On-Level Lesson 2-1
Lesson 2-1 Homework and Practice
InterACTIVE On-Level Lesson 2-2
Lesson 2-2 Homework and Practice
InterACTIVE On-Level Lesson 2-3
Lesson 2-3 Homework and Practice
Topic 2 Assessment

Topic 3
Topic Project (Enrichment)
Readiness Lesson
InterACTIVE On-Level Lesson 3-1
Lesson 3-1 Homework and Practice
InterACTIVE On-Level Lesson 3-2
Lesson 3-2 Homework and Practice
InterACTIVE On-Level Lesson 3-3
Lesson 3-3 Homework and Practice
Topic 3 Assessment

Individualized Study Plan (Includes Intervention Lessons)

Unit A Assessment

Unit Projects (Enrichment)

In addition to On-Level daily Lessons, the Topic-level table of contents also includes Enrichment Projects and Readiness Lessons.


Enrichment Support
You may assign Enrichment Projects to students who demonstrate little or no deficiencies in prerequisite skills. Available at the Unit and Topic levels, these projects focus on higher-order thinking.

Readiness Lessons
Participation in Readiness Lessons is determined by students' achievement on the Readiness Assessment. The Readiness Lesson has three major parts: Intro, Learn, and Close. The Intro and Close are whole class exchanges, whereas Learn provides pre-requisite instruction for students with deficiencies and extension for those without. You may also use the Learn section with the whole class if desired.
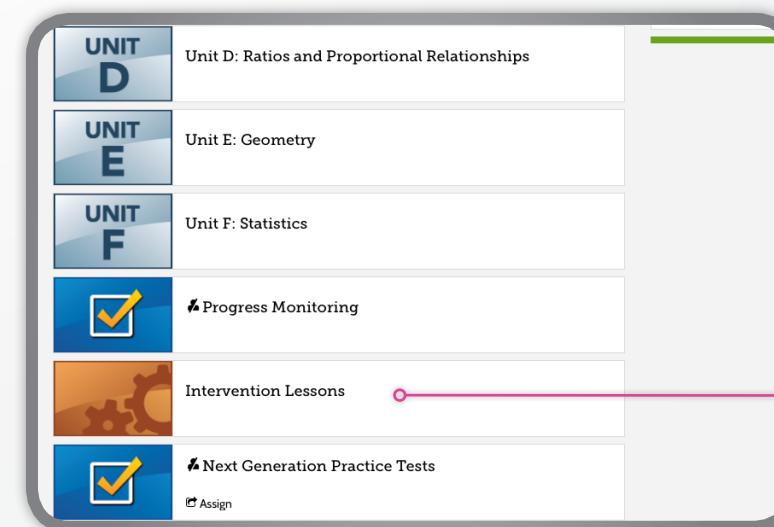
Intervention Lessons
The grade-level table of contents includes over 100 Intervention Lessons designed to support various implementation models. Intervention Lessons can be completed by students independently or with your guidance. Note that Intervention Lessons are automatically included in Individualized Study Plans which are generated for each student based on their Readiness Assessment results.
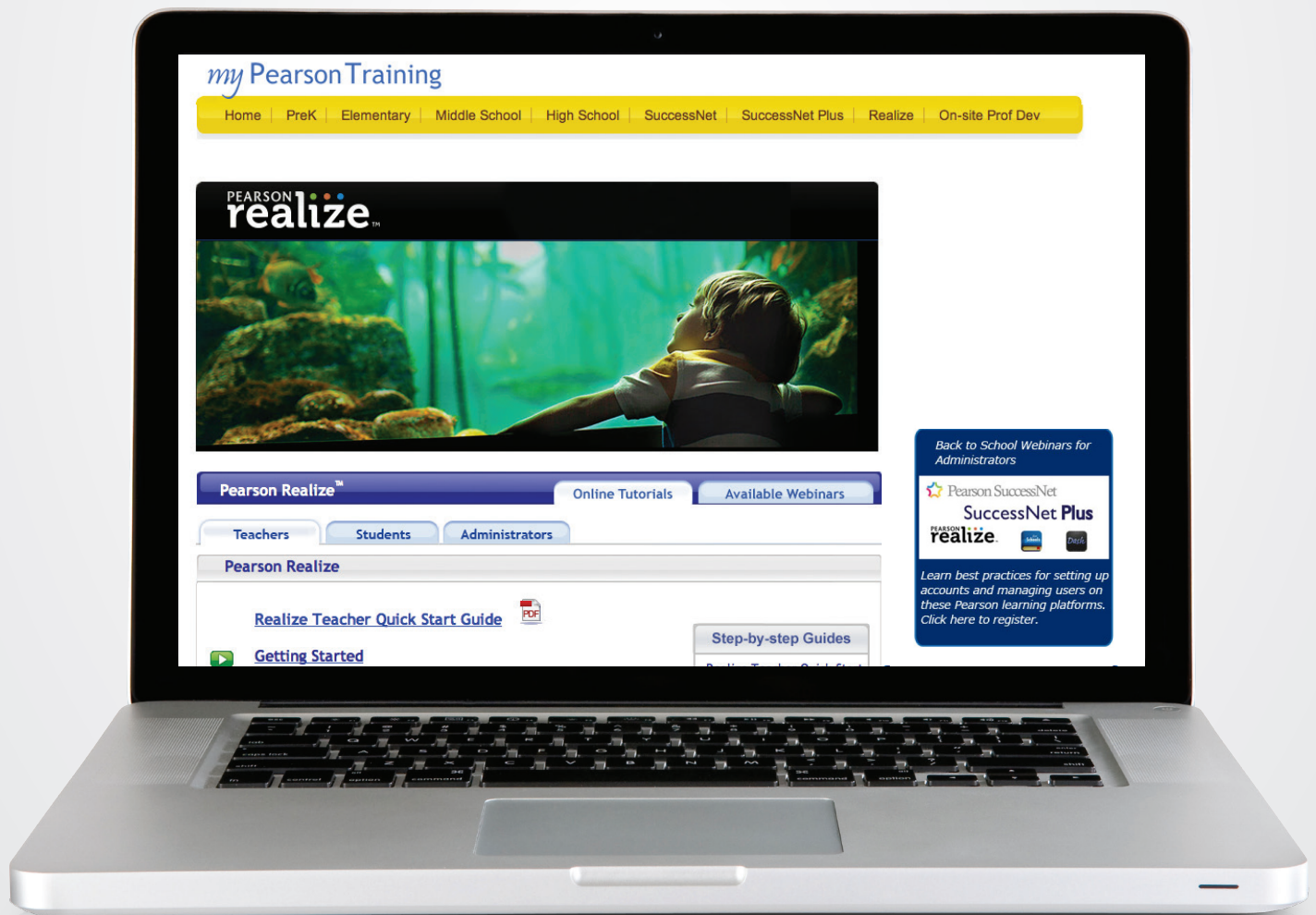
Training

The myPearsonTraining Web site provides **digits** program tutorials available 24 hours a day, 7 days a week. Visit **myPearsonTraining.com** to view tutorials for every part of the program.

Quick access to myPearsonTraining is available on MathDashboard.com/digitsRealize by clicking on the myPearsonTraining channel from the Resources column on the right.

On-site Implementation Training is available upon purchase. Contact your Pearson Account Executive for more information on implementation training.

PearsonSchool.com
800-848-9500

SAM: 978-0-133-29695-2

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ALWAYS LEARNING

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