

enVision Mathematics Grades 6-8 © 2021 Savvy Adaptive Practice

Introduction



The image features the enVision Mathematics logo in black and green, and the SAVVY Adaptive Practice logo in blue. Below the logos is a 3D rendered orange robot sitting on the ground. To the right of the robot is a bulleted list of three items.

- Personalize practice
- Support student needs
- Help learners make progress

Thanks for wanting to learn more about **enVision** Mathematics and Savvy Adaptive Practice!

Let's look at how you can use adaptive assignments to personalize practice, support individual student needs, and help every learner make progress toward the goals of each lesson.

What is Adaptive Practice?

The screenshot shows the Savvas Realize interface for a student named Beaux. The page is titled "1st Period Math" and shows an assignment titled "1-1: Savvy Adaptive Practice". The assignment details include the program "enVision Mathematics 2024 Grade 7", the topic "Rational Number Operations > 1-1: Relate Integers and Their Opposites", and the due date "02/17/23 11:59pm". The instructions state: "This assignment is adaptive, which means that the questions are selected just for you to help you grow and learn. This assignment provides practice on Combine Opposite Quantities to Make 0, Represent Change Using Integers and Combine Opposite Quantities." Below the instructions is a comment section with "Add a Comment", "Cancel", and "Post" buttons. In the "Assigned work" section, there is a card for "1-1: Savvy Adaptive Practice" with a score of "-" and a status of "In Progress". A hand cursor is pointing to this card. The footer of the interface includes copyright information for Savvas Learning Company LLC and the Savvas logo.

Digital engine
Delivers instruction and practice

Adaptive Practice is a digital engine that delivers both instruction and practice problems automatically in real time. The system intelligently adjusts to a learner’s specific needs by presenting tailored tasks based on his or her demonstrated knowledge and skills.

Each adaptive assignment contains tasks that are connected to the lesson objectives and corresponding standards, and may include instruction and practice of prerequisite skills when a student demonstrates that extra help would be beneficial.

Each assignment is individualized, so assignments will vary in length based on student progress toward each learning objective. No two assignments are the same because no two students are the same!

Quick Tip

The screenshot shows the enVision Mathematics 2021 Grade 7 interface. The left sidebar lists resources for Topic 1: Rational Number Operations, with '1-2: Understand Rational Numbers' highlighted. The main content area is titled 'Practice and Problem Solving' and lists several options, each with an 'Assign' button:

- 1-2: MathXL for School: Practice & Problem Solving** (1-2: MathXL Practice & Problem Solving)
- 1-2: MathXL for School: Additional Practice** (1-2: MathXL Additional Practice)
- 1-2: Interactive Additional Practice** (1-2: Interactive Additional Practice)
- 1-2: Adaptive Practice** (1-2: Adaptive Practice)
- Step 3: Assess & Differentiate** (1-2: Lesson Quiz)

Two robotic hands are shown interacting with the interface: one pointing at the '1-2: MathXL for School: Practice & Problem Solving' option, and another pointing at the '1-2: Adaptive Practice' option.

Each lesson offers you digital additional practice opportunities: MathXL for School: Additional Practice and Savvy Adaptive Practice

Use MathXL for School: Additional Practice when you want all students to experience the same on-level practice for a lesson. Students can choose the learning aids they need to work through the problems successfully.

Use Adaptive Practice when you want each student to have a unique experience personalized to his or her individual needs.

How Does it Work?

The screenshot displays the Savvas Realize platform interface. At the top, navigation links include Home, Browse, Classes, and My Library. The current course is 'enVision Mathematics 2021 Grade 7'. The left sidebar shows the curriculum structure for 'Topic 1: Rational Number Operations', with '1-2: Understand Rational Numbers' selected. The main content area is titled 'Step 3: Assess & Differentiate' and lists several activities:

- 1-2: Lesson Quiz** (1-2: Lesson Quiz) - This activity is highlighted with a purple arrow and a callout box that reads 'Gathers student performance information from online assessments'.
- 1-2: Lesson Self-Assessment** (1-2: Lesson Self-Assessment) - Includes an 'Assign' button.
- 1-2: Reteach to Build Understanding** (1-2: Reteach to Build Understanding) - Includes an 'Assign' button.
- 1-2: Additional Vocabulary Support** (1-2: Additional Vocabulary Support) - Includes an 'Assign' button.
- 1-2: Build Mathematical Literacy** (1-2: Build Mathematical Literacy) - Includes an 'Assign' button.

Teacher Resources for the Lesson Quiz are listed as:

- [1-2: Lesson Quiz: Answer Key](#)
- [1-2: Printable Lesson Quiz](#)
- [1-2: Editable Lesson Quiz](#)

The engine crafts each adaptive assignment in the moment to fit a student's individual needs. The system gathers student performance information from assessments taken online like Lesson Quizzes and tests to know where to start. Based on the student's responses during the adaptive assignment, the system adjusts the amount and difficulty of practice to pinpoint the right grade-level and prerequisite skills for each student for each lesson.

Students will receive a mix of problems, tasks, and instruction in a variety of formats. Content from prior lessons may also be included to ensure proficiency of prerequisite skills. Visual Learning Animation Plus videos make math ideas explicit to reinforce the lesson goals. Virtual Nerd videos provide students with step-by-step problem walkthroughs. The system creates a personalized combination of practice and instruction for each student.

Quick Tip

enVision Mathematics 2021 Grade 7

Topic 1: Rational Number Operations

Show Distance Learning Resources off

Teacher Resources

- Teacher's Edition: Grade 7 Topic 1
- Topic 1: Professional Development Video
- Topic 1 Readiness Assessment
- Topic 1: Beginning of Topic >
- Topic 1 STEM Project >
- Topic 1: Pick a Project >
- Topic 1: Today's Challenge
- 1-1: Associate Integers and Their Opposites
- 1-2: Understand Rational Numbers**
- 1-3: Add Integers
- 1-4: Subtract Integers

Practice and Problem Solving

- 1-2: MathXL for School: Practice & Problem Solving
1-2: MathXL Practice & Problem Solving
- 1-2: MathXL for School: Additional Practice
1-2: MathXL Additional Practice
- 1-2: Interactive Additional Practice
1-2: Interactive Additional Practice Assign
- 1-2: Adaptive Practice**
1-2: Adaptive Practice Assign

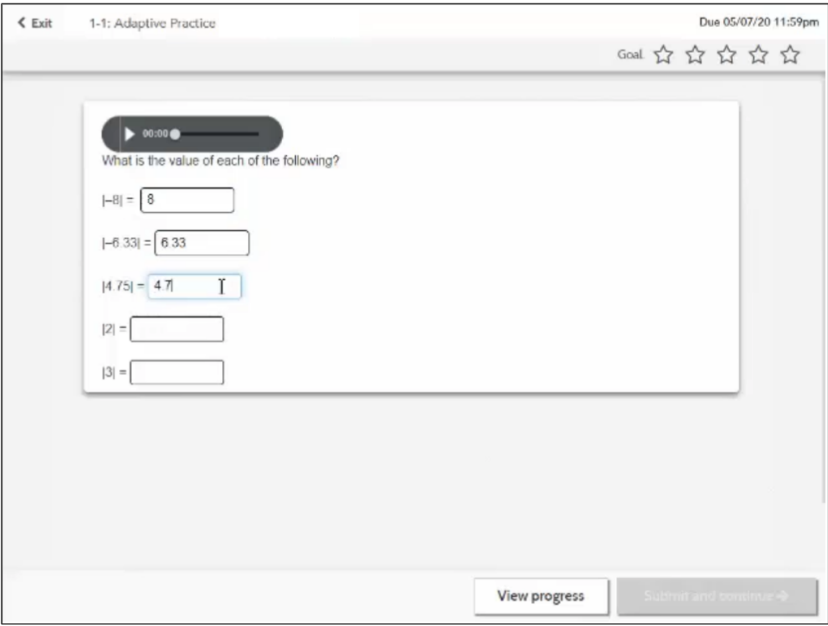
Step 3: Assess & Differentiate

- 1-2: Lesson Quiz Assign

You'll find an adaptive assignment in the Practice and Problem Solving section of every lesson. To assign adaptive practice to a class, group, or student, click **Assign** and follow the prompts.

For more information about creating assignments, see the Savvas Realize page on [MySavvasTraining.com](https://www.mysavvas.com/MySavvasTraining.com).

When Should I Use It?



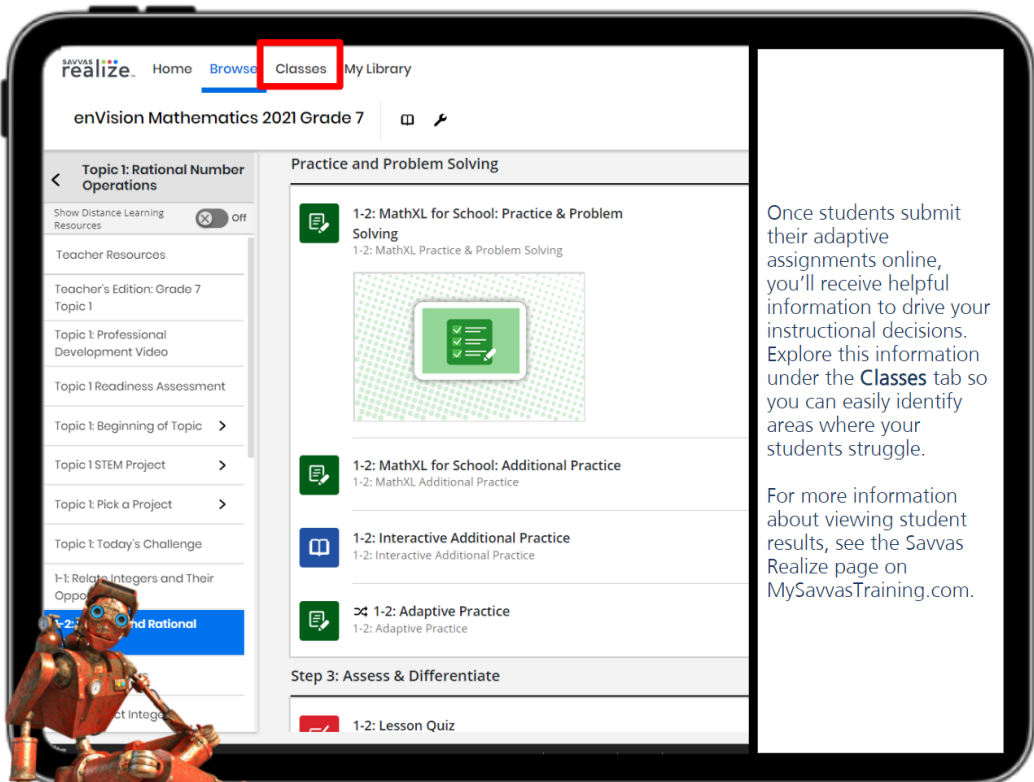
The screenshot shows a digital interface for an adaptive practice assignment. At the top, it says "1-1: Adaptive Practice" and "Due 05/07/20 11:59pm". There are five star icons for a goal. A timer shows 00:09. The question asks, "What is the value of each of the following?". Below are five equations with input boxes: $|-8| = 8$, $|-6.33| = 6.33$, $|4.75| = 4.75$, $|2| =$ (empty), and $|3| =$ (empty). At the bottom are "View progress" and "Submit and continue" buttons.

Assign adaptive practice at the end of a lesson

The more students use the system, the better it adapts to their needs to provide the necessary targeted remediation. The system learns more about the student with each assignment that he or she completes. Consider assigning adaptive practice to groups of students at the end of a lesson since remediation occurs for the skills being taught that day.

You can also use these assignments for the whole class, small groups, or individual students at any time during a topic, since the system continuously adapts in real time so students automatically receive the support they need. Adaptive practice helps minimize student frustration and maximize student success!

Quick Tip



enVision Mathematics 2021 Grade 7

Topic 1: Rational Number Operations

Show Distance Learning Resources Off

Teacher Resources

Teacher's Edition: Grade 7 Topic 1

Topic 1: Professional Development Video

Topic 1 Readiness Assessment

Topic 1: Beginning of Topic >

Topic 1 STEM Project >

Topic 1: Pick a Project >

Topic 1: Today's Challenge

1-1: Relate Integers and Their Opposites

1-2: Understand Rational Numbers

Practice and Problem Solving

1-2: MathXL for School: Practice & Problem Solving
1-2: MathXL Practice & Problem Solving

1-2: MathXL for School: Additional Practice
1-2: MathXL Additional Practice

1-2: Interactive Additional Practice
1-2: Interactive Additional Practice

1-2: Adaptive Practice
1-2: Adaptive Practice

Step 3: Assess & Differentiate

1-2: Lesson Quiz

Click **Next** to continue.

Once students submit their adaptive assignments online, you'll receive helpful information to drive your instructional decisions. Explore this information under the **Classes** tab so you can easily identify areas where your students struggle.

For more information about viewing student results, see the Savvas Realize page on [MySavvasTraining.com](https://www.mysavvas.com).

Closing



Are you ready to try Savvy Adaptive Practice in your classroom? See how adaptive practice will enhance your students' **enVision** Mathematics journey.