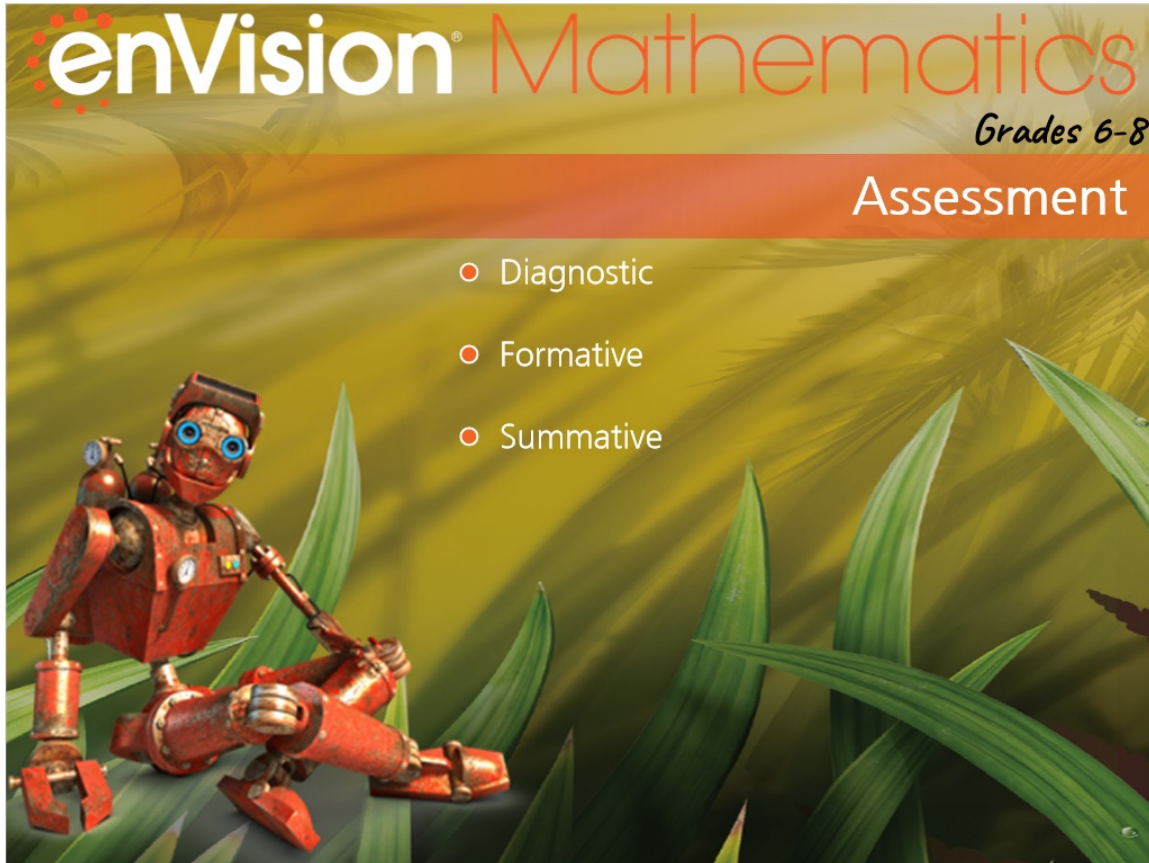


enVision Mathematics 6-8 © 2021 Assessment

Introduction

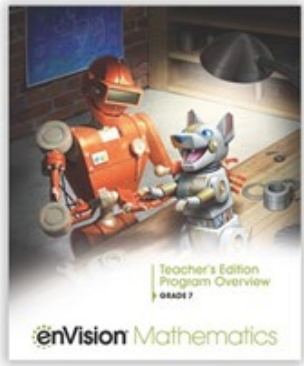


Hi, **enVision** Mathematics teachers!

Let's look at a variety of diagnostic, formative, and summative assessments available in print and on Savvas Realize™ to help you monitor your students' progress.

Quick Tip

Check out the Assessments section of your *Teacher's Edition Program Overview* for a list of the diagnostic, formative, and summative assessments and their locations in the program materials.

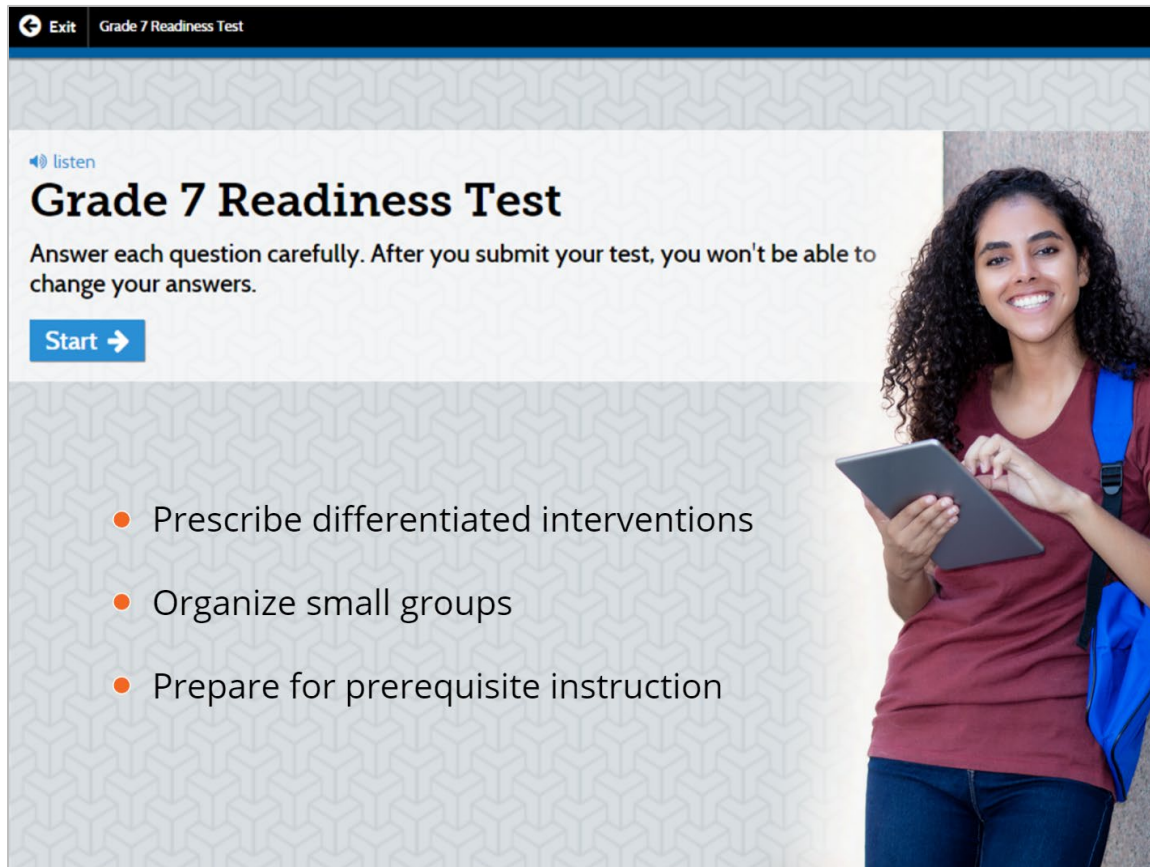


All of the assessment listed below are available in both print and digital versions. Most of the digital assessments are auto-scored.

ASSESSMENTS		
DIAGNOSTIC ASSESSMENT	At the start of the YEAR	Beginning of the Year Assessment Diagnostic student survey of strength and weakness; results can be used to provide differentiated instruction.
	At the start of a topic	Topic Readiness Assessment Diagnostic student proficiency with topic prerequisite concepts and skills; results can be used to generate personalized study plan. Review What You Know Students check their understanding of key math concepts they previously learned.
FORMATIVE ASSESSMENT	During a lesson	My 60 and Exit Ticket Mini Formative student understanding of concepts and skills presented in each lesson; results can be used to modify instruction as needed. Do You Understand? and Do You Know How? Formative student conceptual understanding and procedural fluency with lesson content; results can be used to review or teach content.
	At the end of a lesson	Lesson Study Formative student conceptual understanding and procedural fluency with lesson content; results can be used to provide differentiated instruction.
	At the midpoint of a topic	Mid-Topic Checkpoint Formative student conceptual understanding and procedural fluency in lessons; results can be used to modify instruction as needed.
SUMMATIVE ASSESSMENT	At the end of a topic	Topic Assessment, Form A and Form B Formative student conceptual understanding and procedural fluency with topic content. Additional Topic Assessments with AnswerKey® Topic Performance Task, Form A and Form B Formative student ability to apply concepts learned and proficiency with math practices.
	After a group of topics	Cumulative/Benchmark Assessments Formative student understanding of and proficiency with concepts and skills taught throughout the school year; results can be used to provide instruction.
	At the end of the YEAR	Progress Monitoring Assessments Formative student progress or development throughout the year; results can be used to monitor student growth. Practice Tests Formative student access to review with students before they take high-stakes tests.

Click to enlarge

Diagnostic Assessments



← Exit Grade 7 Readiness Test

listen

Grade 7 Readiness Test

Answer each question carefully. After you submit your test, you won't be able to change your answers.

Start →

- Prescribe differentiated interventions
- Organize small groups
- Prepare for prerequisite instruction

Discover your students' mathematical strengths and weaknesses using diagnostic assessments.

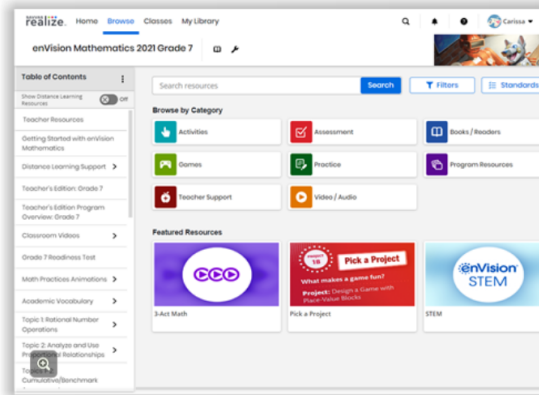
Use the Readiness Test at the beginning of the year to pinpoint areas where students may struggle. You can use the results to prescribe differentiated interventions, organize small groups, and prepare for prerequisite instruction.

At the start of each topic, use the Topic Readiness Assessment to determine students' proficiency with topic prerequisite concepts and skills.

Quick Tip

Find print versions of diagnostic and summative assessments in the *Assessment Sourcebook*.

Find editable, printable, and auto-scored digital versions on Savvas Realize™.



Formative Assessments

Formative Assessments

Step 1:

- Monitor student understanding

ETP

ENGAGE & EXPLORE

STEP 1 | Problem-Based Learning

Solve & Discuss It! Formative Assessment

Purpose: Students engage in productive struggle to connect making sense of phrases to using integers to describe a real-world situation in the Visual Learning Bridge.

ETP Before WHOLE CLASS

- 1 Introduce the Problem**
Provide number lines, as needed.
- 2 Check for Understanding of the Problem**
Engage students with the problem by showing them footage of a rocket launch.

ETP During SMALL GROUP

- 3 Observe Students at Work**
 - What strategies do students use to model the countdown? Students might use integers to model the numbers in the countdown. If needed, ask how can a number line be helpful in representing the situation?

Early Finishers
Assume that the numbers given in the countdown are in seconds. How would the time one minute before takeoff be represented? T minus 60, T plus 180

ETP After WHOLE CLASS

- 4 Discuss Solution Strategies and Key Ideas**
Consider having groups who used a number line model share first, followed by students who described their solution in words. Have students discuss how they know that 0 represents takeoff; use -1 to model T minus 1 and use 1 to model T plus 1. The integer between -1 and 1 is 0.
Tell students that a countdown starts at T minus 20 and ends at T plus 20. Have students articulate the relationship between the amount of time counted before and after takeoff; the amount of time counted before and after takeoff are equal.
- 5 Consider Instructional Implications**
After presenting Example 1, discuss with students how a number line can be used to represent the countdown in the Solve & Discuss It; a number line can show the countdown values, in order, from left to right (or bottom to top for a vertical number line). Have students identify opposite values in the countdown; e.g. T minus 3 and T plus 3.

Realize Scout Observational Assessment Record observations and pictures of student work in response to the bold questions in 3 Observe Students at Work.

Analyze Student Work

Solve & Discuss It! Activity is available online.

Timmy's Work

When preparing for a rocket launch, the mission control center uses a phrase "T minus" before launch. ... T minus 3, T minus 2, T minus 1, ... After the rocket has launched, "T plus" is used while the rocket is in flight. ... T plus 1, T plus 2, T plus 3, ...

When does the rocket launch? What could "T" represent?

The number between -1 and 0 is 0, so the rocket launches at time 0. "T" could represent the "time" of liftoff.

Melody's Work

The countdown sounds like reading a number line from left to right, until you get to 0, when the rocket launches. Then you are counting the seconds after the rocket launch as "T plus 1" and so on. "T" could represent "liftoff."

Melody compares the countdown to reading a number line from left to right.

Monitor your students' progress during lessons using formative assessments.

In Step 1 of each lesson, you'll find suggested questions based on the Effective Teaching Practices (ETPs). Use these questions to monitor student understanding before, during, and after the problem-based lesson opener.

In Step 2, use the Convince Me! exercises to assess students' understanding. Then assign the Do You Understand? and Do You Know How? to assess students' conceptual understanding and procedural fluency.

Next, assign Practice & Problem Solving items to check for understanding.

At the end of each lesson, administer the Quick Check to assess students' understanding of the lesson and prescribe differentiated resources.

After several lessons, use the Mid-Topic Checkpoints, Performance Tasks, and Assessments to see how well students are understanding the key ideas of the topic.

Quick Tip

The screenshot displays the Savvas Realize interface for 'enVision Mathematics 2021 Grade 7'. The page is titled 'Step 3: Assess & Differentiate'. On the left, a sidebar lists various activities under 'Topic 1: Rational Number Operations', with '1-1: Relate Integers and Their Opposites' highlighted. The main content area shows a list of activities, with '1-1: Lesson Quiz' selected and highlighted by an orange box. An orange callout box points to this item, stating: 'The online version of the Lesson Quiz is auto-scored. You can choose to have Savvas Realize automatically assign differentiated intervention or enrichment based on the results.' The interface also includes a search bar, user profile 'Carissa', and a navigation menu at the top.

Summative Assessments

The screenshot shows the Savvas Realize interface for "enVision Mathematics 2021 Grade 7". The sidebar on the left lists "Topic 1: Rational Number Operations" with sub-items like "1-6: Multiply Integers" through "1-10: Solve Problems with Rational Numbers". The main content area is titled "Step 3: Assess & Differentiate" and lists several assessments: "1-1: Lesson Quiz", "1-1: Lesson Self-Assessment", "1-1: Reteach to Build Understanding", "1-1: Additional Vocabulary Support", "1-1: Build Mathematical Literacy", and "1-1: MathXL for School: Enrichment". On the right, orange callout boxes highlight "End of each topic:", "Topic Review", "Topic Assessment", and "Topic Performance Assessment".

Evaluate your students' progress at the end of a topic or group of topics with summative assessments.

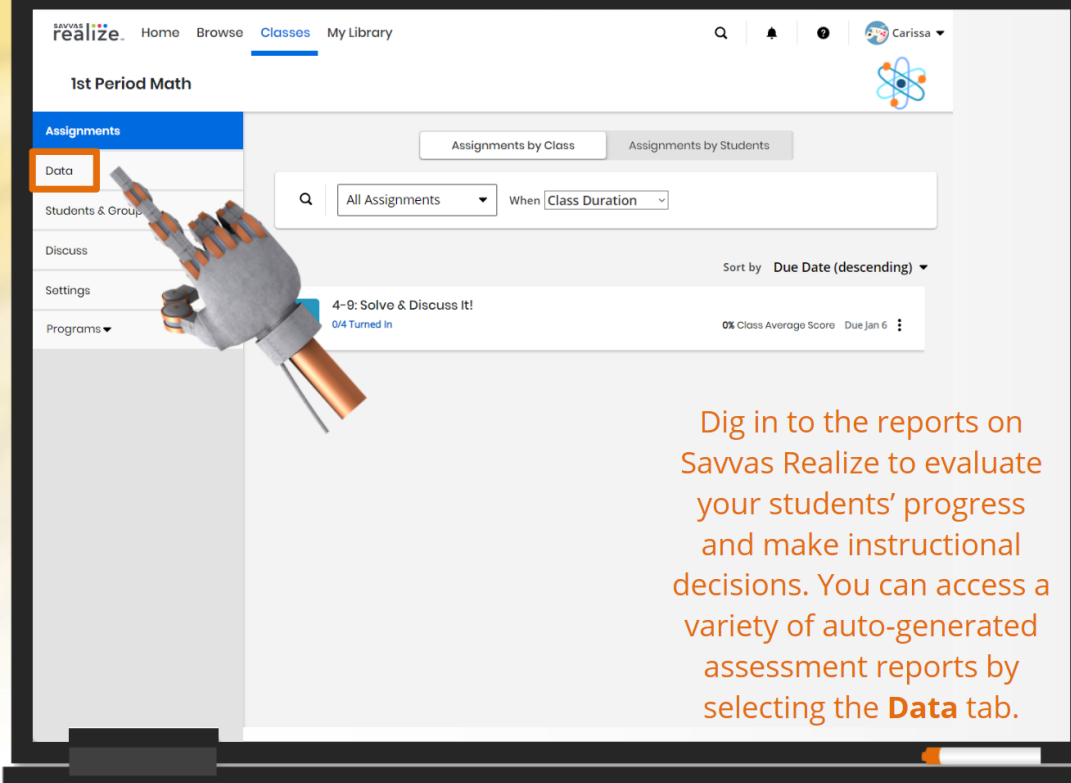
At the end of each topic, have students work through the Topic Review. Then assess their conceptual understanding and procedural fluency using the Topic Assessment.

Assess students' ability to apply concepts and math practices with the Topic Performance Assessment. Find Item Analysis and Scoring Guides in your Teacher's Edition.

Check on students' progress several times a year using the cumulative Benchmark Assessments and the Progress Monitoring Assessments.

Assessments are also available in Spanish on Savvas Realize.

Quick Tip



The screenshot displays the Savvas Realize interface for a teacher. The top navigation bar includes 'Home', 'Browse', 'Classes', and 'My Library'. The user is logged in as 'Carissa'. The main content area is titled '1st Period Math' and features a sidebar with 'Assignments' selected. The 'Data' tab is highlighted in orange. The main area shows a search bar with 'All Assignments' and 'When Class Duration'. Below this, a list of assignments is shown, with the first one being '4-9: Solve & Discuss It!' with '0/4 Turned In' and a '0% Class Average Score'.

Dig in to the reports on Savvas Realize to evaluate your students' progress and make instructional decisions. You can access a variety of auto-generated assessment reports by selecting the **Data** tab.

Additional Assessment Options

Customizing: Grade 7 Readiness Test Copy 1

+ Rearrange Preview Cancel Save

Title:
Grade 7 Readiness Test Copy 1

Description:
Grade 7 Readiness Test Copy 1

Do you want this test to count toward mastery? Mastery is set to a 70% score by default. 29/250

Yes No

Number of question tries before submission and test retakes allowed:
One try at each question, no test retake

+ Add items from test bank

1 Question_1 [6.AF.3.1,6.EE.A.1, +2 more](#)

+ Add items from test bank

2 Question_2 [6.P.5.9,6.RP.A.3d](#)

+ Add items from test bank

3 Question_3 [C.8, +1 more](#)

Your new changes will appear the next time you assign this test.

On Savvas Realize, you can customize assessments to meet your instructional needs.

To explore these options, click **Customize** under the assessment name to modify the title, the description, and whether the test should count toward mastery.

To add questions, click **Add items from test bank** and search the bank of test items by standard or keyword.

You can also add your own assessments. Select the **Create Content** menu to upload files, add links, or build your own tests.

Closing



Thanks for learning more about the **enVision** Mathematics assessments.

Keep exploring mySavvasTraining.com for more information about **enVision** Mathematics and Savvas Realize.