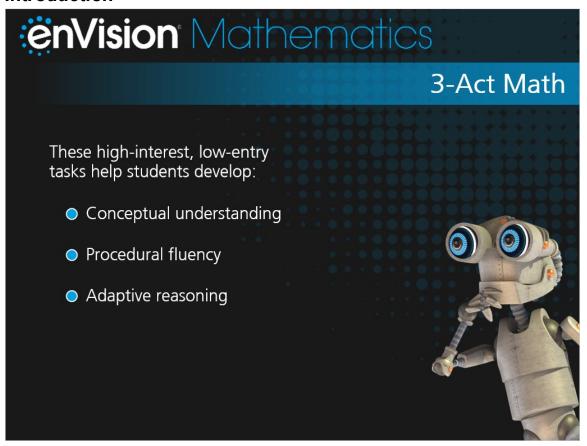


enVision Mathematics 3-Act Math

Introduction



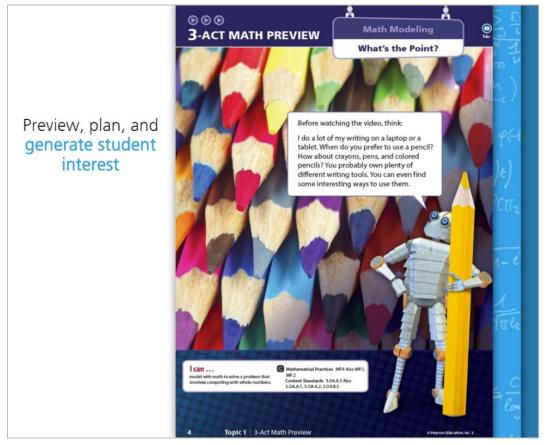
Hi, **enVision** teachers! I'm glad you want to learn about 3-Act Math tasks.

These high-interest, low-entry tasks help all students develop conceptual understanding, procedural fluency, and adaptive reasoning as they test out different models and conjectures.

Let's dig in so you can see how these tasks help students learn to use mathematical models to solve real-world problems.



Planning and Pacing



A 3-Act Math task is provided in each odd-numbered topic. Teach this task as the lesson for the day.

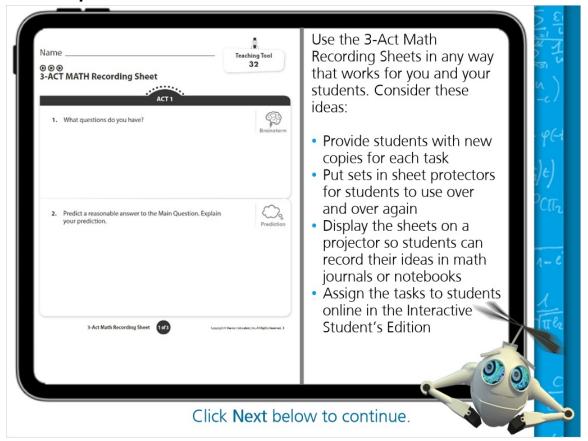
The task can be at the beginning, in the middle, or at the end of a topic, depending on when students will have learned the relevant content. Find pacing details in the Table of Contents of your Teacher's Edition.

Use the Topic Overview to preview and plan for the task. Use the 3-Act Math Preview page in the Student's Edition to generate student interest at the beginning of the topic.

When teaching the task, give students the 3-Act Math Recording Sheets so they can record their ideas at each step. Find the sheets in the Teaching Tools section of your *Teacher's Resource Masters* book or online on Savvas Realize™. Open the **Teacher Resources** menu and select **Teaching Tools** to download the masters.

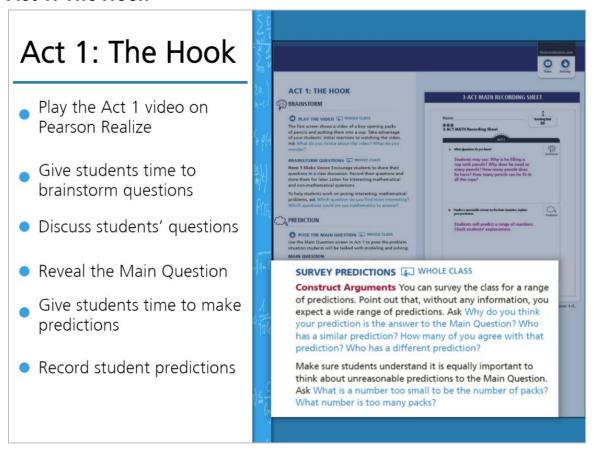


Quick Tip





Act 1: The Hook



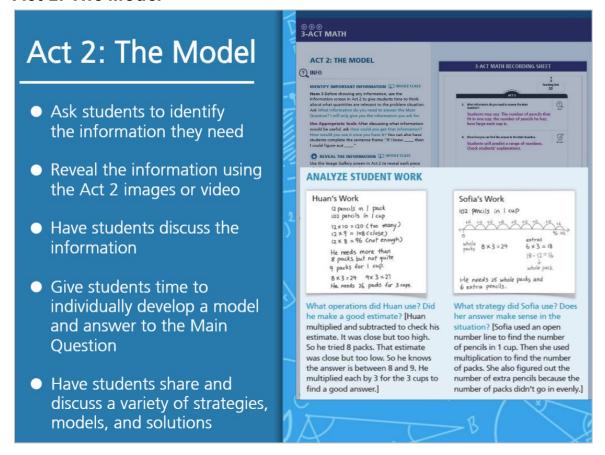
In Act 1: The Hook, play the Act 1 video. The video presents a problem situation and provides just enough information to get students thinking and talking.

Give students time to brainstorm possible questions they have about the video. Students can write their questions on the recording sheets.

Have students share some of their questions, and then reveal the Main Question. Give students time to predict answers to the Main Question. Finally, ask them to share their ideas and record their predictions for the whole class to see.



Act 2: The Model



In Act 2: The Model, ask students to identify information they need to answer the Main Question.

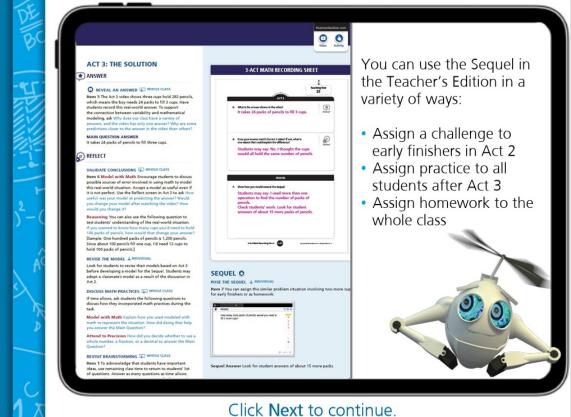
After you collect students' ideas, reveal the information in Act 2. Ask students to discuss whether this information matches their expectations and predictions.

Then ask students to work individually to develop a model and solution to the Main Question. Encourage them to use any model to arrive at a solution that makes sense to them.

Have students share and discuss their strategies. Make sure to discuss a variety of different models and solutions. You can project sample student work shown in the Teacher's Edition using the last page of Act 2 on Savvas Realize.

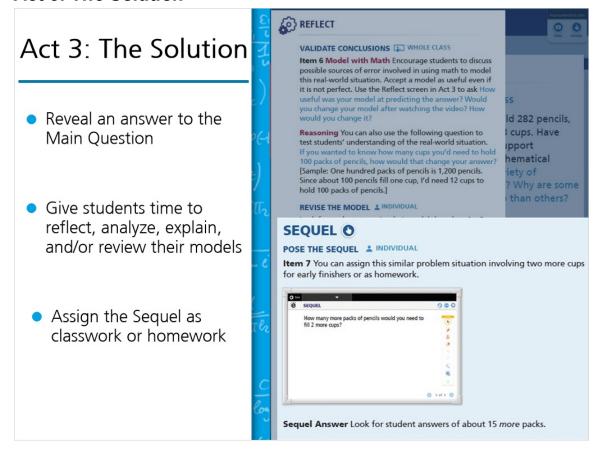


Quick Tip





Act 3: The Solution

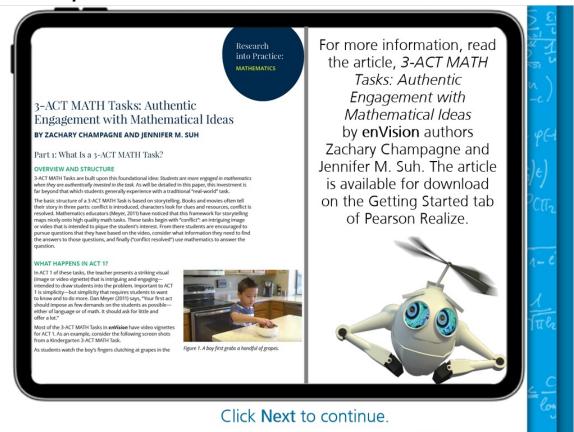


In Act 3: The Solution, play the video to reveal an answer to the Main Question.

Give students time to reflect, analyze, and explain differences between their answers and the actual solution. Lead a discussion to help students develop the math practices and give students time to revise their models or work on the Sequel.



Quick Tip



8



Closing



Thanks for learning more about 3-Act Math tasks! These tasks provide an engaging way for students to learn mathematical modeling skills that they'll use throughout their lives!

Keep digging in to My Savvas Training to learn more about enVision Mathematics!