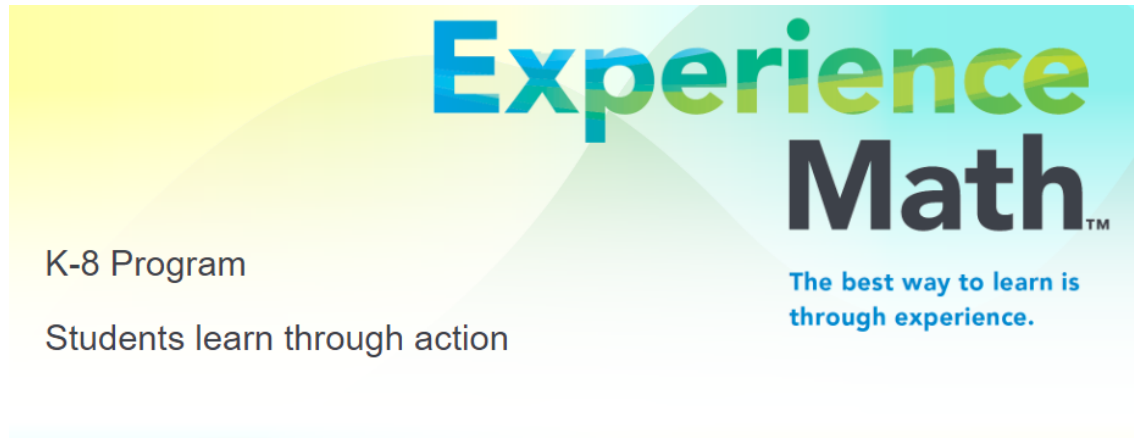


Experience Math © 2025

Big Picture

Welcome



Experience
Math™

K-8 Program

Students learn through action

The best way to learn is through experience.



Welcome to *Experience Math™*, a new student-centered mathematics program from Savvas Learning Company.

Experience Math is a K-8 program that uses a “learning through action” approach where students engage with mathematics “hands-on” through exploration.

Let’s take a closer look at the resources that equip you with strategies and tools to engage your students.

Student-Centered Math

The screenshot shows the Savvas Realize interface for 'Experience Math 2025 Grade 6'. At the top, there is a navigation bar with 'Home', 'Browse', 'Classes', and 'My Library'. Below this, a search bar and 'Filters' and 'Standards' buttons are present. A 'Browse by Category' section offers various resource types: Activities, Assessment, Books / Readers, Games, Practice, Presentations, Program Resources, Teacher Support, and Video / Audio. A 'Featured Resources' section displays three items: 'Brain Benders' (a cartoon brain), 'Family Engagement' (a family), and 'Marian's Insights' (a woman's portrait). A large blue text overlay at the bottom of the interface reads 'Accessed on Savvas Realize Features anytime activities'.

Experience Math features a blended, easy-to-use three-part instructional design that gives students varied experiences to solve problems and develop mathematical thinking skills. This approach encourages students to be active mathematical thinkers and problem solvers.

Experience Math is available and accessed on Savvas Realize and features anytime activities that foster an active learning experience while helping students develop problem-solving skills and grow their conceptual understanding of math.

Phase 1: Minds On

5-2: Minds On Activity

Assign Add to Playlist

Page 1 of 1

Lesson 5-2: Relating Fractions, Decimals, and Percents

Minds On Activity

A high percentage of Grade 6 students at Aaron's school went skiing. In total, 50 Grade 6 students went on the trip.

1. What fraction of the Grade 6 students might have went skiing? Express the amount as a decimal.
2. About how many Grade 6 students might there be in Aaron's school?

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Minds On is a short activity that activates prior knowledge and engages student curiosity. This 10-15 minute discussion is often based on an open question intended to engage students in critical and creative thinking to prepare students for the Action Task.

Students are invited to share how their personal experiences and ideas connect to the question, enriching the mathematical conversation while also developing students' cultural awareness.

Phase 2: Action

Lesson 5-2: Relating Fractions, Decimals, and Percents

Action Task

The table shows how commuters in an office get to work. Use the table to answer Questions 1–4.

Daily Commute to Work	
Car	58%
Public transit	24%
Carpool	12%
Walk	5%
Bike	1%

1. Represent each percent using a different color on a 10-by-10 grid.

2. **Reason** Represent each percent as a decimal and as a fraction with a denominator of 100. If possible, write an equivalent fraction with a denominator less than 100.

3. Represent each the first four percents in the table as fractions with denominators that are less than 25.

4. **Construct Arguments** Why is it difficult to estimate 1% of a whole as a fraction with a denominator that is less than 25?

Students use critical and creative thinking to solve a new problem cooperatively. Action engages students in a rich task to develop, use, and share various strategies to solve a problem in a small group or pairs.

Students utilize manipulatives, graphic organizers, and other visualization tools to build conceptual understanding.

Using strategic questioning, teachers help concentrate the learning on the important concepts students should understand at the end of the lesson.

Phase 3: Consolidate

Lesson 5-2: Relating Fractions, Decimals, and Percents

Consolidate Questions

Daily Commute to Work	
Car	58%
Public transit	24%
Carpool	12%
Walk	5%
Bike	1%

1. How does representing percents on a grid show that percents are ratios that can be compared?

Discussion and reflection help draw out the main mathematical ideas from the Action Task.

2. Consider the percents you worked with in Question 1 of the Action Task.

- Which percents were represented using more than half the grid?
- Which percents were represented using less than $\frac{1}{10}$ of the grid?
- How could you have predicted which percents were more than half of the grid and which were less than $\frac{1}{10}$ of the grid?

The most critical part of the lesson, Consolidate, features questions that allow students to draw out the main mathematical ideas from the Action Task.

This is done through discussion and reflection and is where students solidify connections and communicate the day's learning.

Sharing is often done in small groups rather than with the full class. As a community, students communicate their strategies with each other as teachers highlight the most important ideas to take away from the lesson.

Exit tickets help teachers gauge student understanding and provide important information about any opportunities for scaffolding and extension.

Planning

The screenshot displays the Savvas Realize interface for Experience Math 2025 Grade 6. The top navigation bar includes 'Home', 'Browse', 'Classes', and 'My Library'. The main content area is titled 'Experience Math 2025 Grade 6' and features a left-hand navigation menu under 'Topic 5: Percent'. The menu items include 'Topic 5: Planning and Resources', 'Topic 5: Marian's Insights Videos', 'Topic 5: Teacher Resource Masters', '5-1: Introducing Percent', '5-2: Relating Fractions, Decimals, and Percents' (highlighted in blue), '5-3: Estimating Percents', '5-4: Determining Percents from Percents You Know', '5-5: Calculating Percents From Percents You Know', '5-6: Determining the Whole From the Percent', and 'Topic 5: End of Topic Resources'. The main content area is organized into four sections: 'Teacher Resources (2 Items)' containing two '5-2: Downloadable Lesson Presentation' items (one in English and one in Spanish); 'Planning' containing '5-2: Planning Guide' and '5-2: Sum it Up'; 'Minds On' containing '5-2: Student Learning Goal' and '5-2: Minds On Activity'; and 'Action' containing '5-2: Success Criteria'. Each item in the 'Planning', 'Minds On', and 'Action' sections includes an 'Assign' button and a three-dot menu icon.

Savvas Realize provides teachers with access to one curated, digital center from which to plan, prep, and teach Experience Math. Everything needed for each lesson is provided.

Through simple planning, and high-value, in-the-moment professional learning, *Experience Math* helps you teach intentionally and creatively.

Topic Planning

← Exit Topic 5: Planning Add to Playlist

Content In This Topic Lesson 5-1 Lesson 5-2 Lesson 5-3 Lesson 5-4 Lesson 5-5

Topic Planning

Topic 5: Planning

Topic 5: Observational Assessment Checklist

Topic 5: Family Engagement

Topic 5 Overview: Percent

Topic Diagnostic

Topic 5: Diagnostic Task

Topic Games and Activities

Percent and Geometry

Print

Topic Planning

Suggested Pacing: About 10 days

- Diagnostic Task
- **5-1** Introducing Percent
- **5-2** Relating Fractions, Decimals, and Percent
- **5-3** Estimating Percents
- **5-4** Determining Percents
- **5-5** Calculating Percents From Percents You Know
- **5-6** Determining the Whole From a Percent
- Making Connections Task: Percent and Geometry
- Topic Assessment

Mathematical Focus ▼

Going Back ... Going Forward ▼

Assessment Strategies ▼

Materials & Tools ▼

Use the Topic Planning guidance to easily review pacing, objectives, standards, and mathematical contexts.

You'll find observational assessment checklists, Family Engagement support, diagnostic tasks, and topic games and activities.

Within the planning guide for each topic, you'll also find planning support for every lesson that falls under the topic.

Hear and learn directly from Marian Small as she provides instructional suggestions and questioning strategies in professional learning videos.

Lesson Planning

← Exit 5-2: Planning Guide Add to Playlist

Content

- Student Experience Book
- Student Experience Book (Spanish)

Planning

- 5-2: Planning Guide
- 5-2: Sum it Up

Minds On

- 5-2: Student Learning Goal
- 5-2: Minds On Activity

Action

Planning

Suggested Pacing
1-2 days

Learning Goal
Relate fractions, decimals, and percents.
You can share the Student Learning Goal with students after the **Minds On Activity** when the term "percent" is reintroduced.

Student Learning Goal
I can relate percents to fractions and decimals.

Student Language Objective
Explain how to relate percents to fractions and decimals.

Materials
10-by-10 grids

In This Lesson ...
Students extend the work from Lesson 1 to relate percents to both fractions and decimals. Percents in this lesson will be whole-number percents up to 100%.

And the Point Is ...
Students build on earlier understandings of percent and extend their knowledge to how to relate percents to fractions and decimals. Students also discuss advantages of each form.
Students have worked with ideas related to this lesson before.

Within each lesson, you'll find a Planning Guide that gives a quick overview of every step of the lesson. The three-part lesson plan includes Minds On, Action, and Consolidate parts followed by a Your Turn activity.

Under the Planning tab you'll find suggested pacing, lesson objectives, materials, assessment strategies, differentiation, and more.

Notice the slide view that is new with *Experience Math*. This view allows teachers to see what their students see, while also giving quick access to Teacher Guidance, Teacher Resources, and Standards.

Purposeful Practice

The screenshot displays the Savvas Realize platform interface. At the top, navigation links for 'Home', 'Browse', 'Classes', and 'My Library' are visible. The main content area is titled 'Lesson 5-2: Relating Fractions, Decimals, and Percents'. Below the title, there are two tabs: 'Your Turn' and 'What You Learned'. The 'Learning Goal' section states, 'I can relate percents to fractions and decimals.' The 'Journal' section asks, 'What is one thing you learned about fractions, decimals, and percents in this lesson?'. A sidebar on the left lists various topics, with '5-2: Relating Fractions, Decimals, and Percents' highlighted. On the right, a 'Tools' panel contains several 'Assign' buttons. At the bottom, a note says 'Spanish (Coming Soon!)'. A copyright notice is visible at the bottom of the page: 'Copyright © Savvas Learning Company LLC. All Rights Reserved. Savvas is not responsible for any modifications made by end users to the content posted in its original format.'

Experience Math provides relevant activities and math games that can be used for practice, application, assessment, reteaching, reasoning, and problem solving.

Your Turn activities offer students the opportunity to work independently or in pairs to practice and apply what they've learned in the lesson. Your Turn Questions are purposeful practice that engages students in both procedural and conceptual practice.

Additional practice is provided to support every lesson in both printable and digital formats.

Games and puzzles are offered strategically within Experience Math allowing students to engage in meaningful practice of mathematical skills and concepts. Purposeful and engaging games will help develop behaviors needed to cooperate and collaborate with others. Students will learn to think creatively and critically while having fun!

End of Topic Resources

The collage features three main components:

- Diagnostic Task:** A worksheet titled "Topic 20 Diagnostic Task" with fields for "Name" and "Date". It contains three problems involving square tiles and arrays. Problem 1 asks to create two arrays with one more tile than the other and write two multiplication sentences for each. Problem 2 is similar but asks for two more arrays. Problem 3 is partially visible.
- Video Player:** A video player showing a 10x10 grid where 58 squares are shaded blue. The question asks, "Which fraction and decimal represent the part of the grid that is blue?" The options are:
 - A. $\frac{58}{100}$ and 5.8
 - B. $\frac{58}{100}$ and 0.58
 - C. $\frac{58}{10}$ and 5.8
 - D. $\frac{58}{10}$ and 0.58
- Exit Ticket:** A worksheet titled "Lesson 20-4: Solving Multiplication Problems" with an "Exit Ticket" section. It contains two questions:
 - What problem could be solved by multiplying 42×42 ?
 - What would the solution be?
 Below the questions is a "My Mindset" section with a statement: "I can create and solve multiplication problems involving 2-digit numbers." and three response options: "I Can" (green smiley), "With Help" (yellow smiley), and "Not Yet" (red frowny).

Assessment for Learning

Assessment as Learning

Assessment of Learning

Experience Math provides a variety of tools to help you plan Assessment for Learning, Assessment as Learning, and Assessment of Learning for each topic and lesson.

Assessment for Learning allows you to observe learning during instruction, and each topic provides a diagnostic task, observational assessment checklist, Math Anytime activities, and so much more.

Assessment as Learning encourages students to reflect on the learning goals through self-assessments, Your Turn activities, and Exit Tickets.

Within the End of Topic Resources, you'll find Assessment of Learning tools such as an Assessment Overview, Topic Assessment, and Performance Task.

Formal assessments are offered in both editable, printable formats, as well as autoscorable, assignable formats.

Closing



The image features a promotional graphic for Experience Math. At the top right, the text "Experience Math™" is displayed in a large, bold, blue and green font. Below it, the tagline "The best way to learn is through experience." is written in a smaller blue font. On the left side, there is a photograph of five diverse students sitting around a table in a classroom, looking at laptops and tablets. The background of the graphic consists of abstract, overlapping shapes in shades of yellow, green, and blue. At the bottom right, the text "my SAVVAS Training" is written in a blue font.

Thanks for joining me today. I hope you're excited to get started planning and teaching with *Experience Math*!

Be sure to check out My Savvas Training when you're ready to learn more about *Experience Math* and Savvas Realize!