

# Experience Math © 2025 Family Engagement

**Welcome**



Family Engagement

**Experience  
Math™**

The best way to learn is  
through experience.

Family Engagement helps support student  
learning beyond the classroom

Welcome to *Experience Math*™ Family Engagement!

Family Engagement resources have been designed to help caregivers, parents, family and community members support student learning beyond the classroom.

Let's explore the resources that equip you with strategies and tools to engage your child more intentionally in the world of mathematics!

## Overview of Resources

**Experience Math** Overview of Resources Translate

Topics and Lessons ▾

**Overview of Resources** [close sections](#)

Experience Math™ offers a variety of resources to help your child engage with math. Your child can access and utilize these resources at any time in their student login portal.

Experience Math™ also offers resources specifically designed to help families engage with math.

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**Student Resources** ▲

**Learn**  
The **Student Experience Book** explores and deepens understanding of math concepts. **Additional Practice** provides additional practice and examples for each lesson.

**Support**  
**Games and Puzzles** focus on important math concepts. **Digital Glossary** includes images and definitions in both English and Spanish. **Academic Vocabulary** includes non-math terms commonly used in classrooms.

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**Family Resources** ▲

**Topic Level**  
**Topic Overview**  
Use this resource to see the learning goals for the topic, real-world connections, and puzzles and games to support learning.

**Lesson Level**  
**Sum It Up**  
Use this resource to see a summary and examples of the lesson's key ideas, as well as helpful notes and mathematical definitions.

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**Putting Resources to Work** ▲

You can help your child succeed in mathematics by utilizing the student and family resources.

You will receive a link directly from your school with no login required.

Here in the Overview of Resources, you'll find a variety of digital resources to help your child discover the math.

You'll find a Student Resources section with the interactive Student Experience Book, additional practice and examples for each lesson, games and puzzles, math tools, vocabulary, and more!

The Putting Resources to Work section offers tips for you to help your child succeed in mathematics.

Supporting Learning at Home outlines ways you can support your child's learning at home outside of Experience Math.

Get ready by creating a work-friendly environment, designating a quiet place for study, keeping study time uninterrupted, and providing necessary math tools that assist learning.

Add support by learning alongside your child! Familiarize yourself with procedures and help your child with problems. Play games and enjoy practicing math together.

Go beyond by pointing out how math is used in everyday life and looking for real-world problems.

## Topic-Level Support

The screenshot shows the 'Experience Math' website interface. At the top, there is a blue navigation bar with 'Experience Math..', 'Overview of Resources', and 'Translate'. Below this is a 'Topics and Lessons' dropdown menu with 'Topic 2: Representing Fractions' selected. The main content area is titled 'Topic 2: Representing Fractions' and includes a 'close sections' link and a 'Print or save as pdf' button. The content is organized into several sections, each with a downward arrow icon:

- Overview**: Topic 2 explores fractions as numbers. Your child will learn that fractions can be used to describe area, sets, and locations.
- Learning Goals**: In this topic, your child will:
  - name and create fractions of an area.
  - explore how to represent fractions of a set in a variety of ways.
  - name and create fractions of a mass, a liquid volume, or a length.
  - show the location of a fraction on a number line.
  - show that the same fraction can be modeled in different ways and that different models tell different things about the fraction.
- Connect the Math**: You can connect the math in this topic to everyday experiences. When you cut food into equal pieces, such as sandwiches or pizza, have your child name the fractional parts—for example, *halves*. Then serve some of the parts and ask your child to use a fraction to describe the part of the food that has been served, as well as the part that remains.
- Games and Puzzles**: To reinforce the math in this topic, play:
  - Spot the Area ([English Print](#)) ([Spanish Print](#)) after your child completes Lesson 2-1.
  - Spot the Set ([English Print](#)) ([Spanish Print](#)) after your child completes Lesson 2-2.
  - Fraction Lengths ([English Print](#)) ([Spanish Print](#)) after your child completes Lesson 2-3.
  - Tubular ([English Digital](#)) ([Spanish Digital](#)) after your child completes Lesson 2-4.
- Topic 2 Lessons**:
  - Lesson 2-1: [Fractions of an Area](#)
  - Lesson 2-2: [Fractions of a Set](#)
  - Lesson 2-3: [Fractions of Other Measures](#)
  - Lesson 2-4: [Fractions on the Number Line](#)
  - Lesson 2-5: [Different Ways to Represent Fractions](#)

The Topic Overview provides a preview of upcoming content with visuals to support understanding.

Each topic has an overview, so you can engage with your child on the big idea and understand the end learning goal. Let's look at a topic.

In this Topic 2 example, your child is learning to represent fractions.

You are presented with multiple ways of helping your child understand the concepts being taught.

Use Connect The Math to tie the math to everyday experiences for your child. This will help them connect the big idea to the world around them.

Use Games and Puzzles to reinforce the math in the topic. This includes both print and digital versions in English and Spanish.

## Lesson-Level Support

**Lesson 2-1: Fractions of an Area**

**Lesson Objective**  
For more help with this lesson, view the [Fractions of an Area](#) video.

**Sum It Up**  
Dear parent or guardian:  
This is a summary of the key ideas in this lesson. It can be used to support your child's learning.

**Naming a Fraction of a Whole Area**  
When a shape or an area is described as a whole, you can use fractions to describe parts of the whole.

**Halves.** You show halves by dividing a whole into two equal parts.

Each part is one half, which can be written  $\frac{1}{2}$ . The 2 is called the *denominator*; it tells how many units make a whole. The 1 is the *numerator*; it tells how many units you are wanting to include.

**Thirds.** You show thirds by dividing a whole into three equal parts. Each part is  $\frac{1}{3}$ .

**Fourths.** You show fourths by dividing a whole into four equal parts. Each part is  $\frac{1}{4}$ .

Lessons support the overall topic concept

New ideas and examples

Visual learning opportunities

Practice

Lessons support the overall topic concept. Each lesson digs in by introducing new ideas and providing new examples, visual learning opportunities and practice. Each topic has multiple lessons to support the topic concept.

Start with the Lesson Objective. This will help you understand the Objective and other words you can use to help your child better understand the concept.

Use any hyperlinks to help visualize abstract concepts.

The Sum It Up section provides a summary of the key ideas in this lesson and can be used to support your child's learning.

Lesson support provides digestible examples and video support.

A helpful Definitions section is also provided to help support learning at home.

**Closing**



Family involvement is one of the many ways *Experience Math* supports your child's success in math.

Family Engagement resources are here to help you guide and advance your child's learning and foster their success.

Thank you for joining us!