

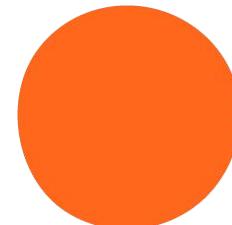
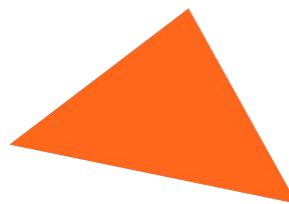
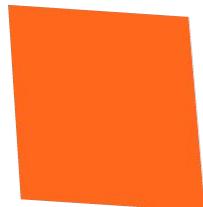


Every Family Counts!

Engaging families in children's math learning

Ohio FELOs Quarterly Meeting

May 1, 2025

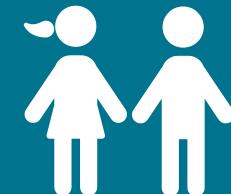


National Association for Family, School and Community Engagement



OUR MISSION

Advancing high-impact policies and practices for family, school, and community engagement to promote child development and improve student achievement.



OUR VISION

A world where family engagement is universally practiced as an essential strategy for improving children's learning and advancing equity.

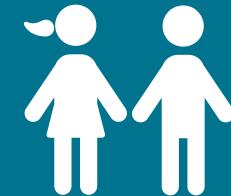


The Center for Family Math



OUR MISSION

Advancing research, policies, practices, partnerships, and systems that amplify the power and love of math through family and community engagement.



OUR VISION

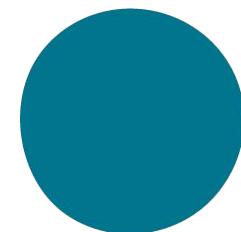
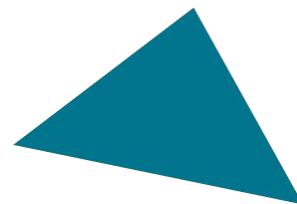
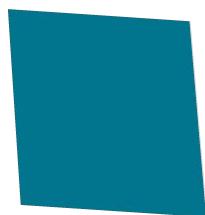
A world where Family Math advances learning and equity for each and every child.



- **Introduce yourself and your role in the chat**
- **Share an emoji to show how you feel about math**



What is Family Math?

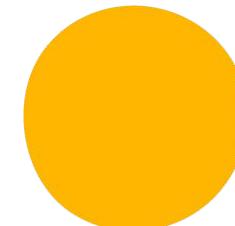
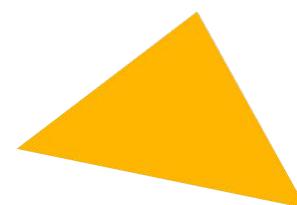
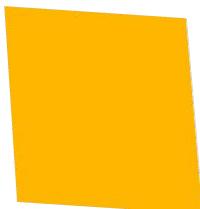




Center for
Family Math

How many?

#unitchat



Defining Family Math

“We define “family math” as culturally-relevant math activities and interactions occurring in the informal contexts in which families engage with children and youth (Eason et al., 2020).”

For Families:

- activities and conversations families engage in
- awareness of math embedded in the home and in their communities
- enthusiasm for and comfort with engaging in math and in supporting math learning

For Family Math Practitioners:

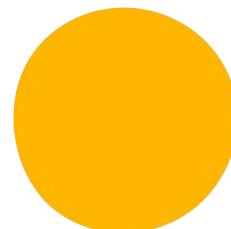
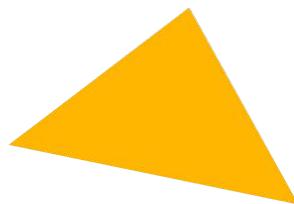
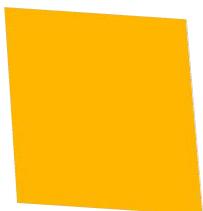
- opening doors to families to ensure access to resources and ideas
- elevating and expanding the math that families already do
- building relationships around math in the community

What is Family Math? Debunking Math Myths

- For everyone
- Starts early in life
- More than just numbers
- Culture and context matter
- Part of everyday life
- Makes sense and is useful



Why Focus on Math and Family Math?



Early Math Matters for Academic Success

Kindergarten Entry

Early reading skills

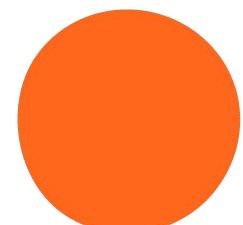
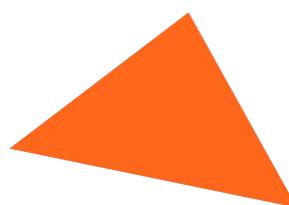
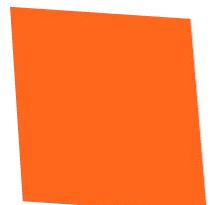
Early math skills



3rd & 8th grade

Later reading achievement

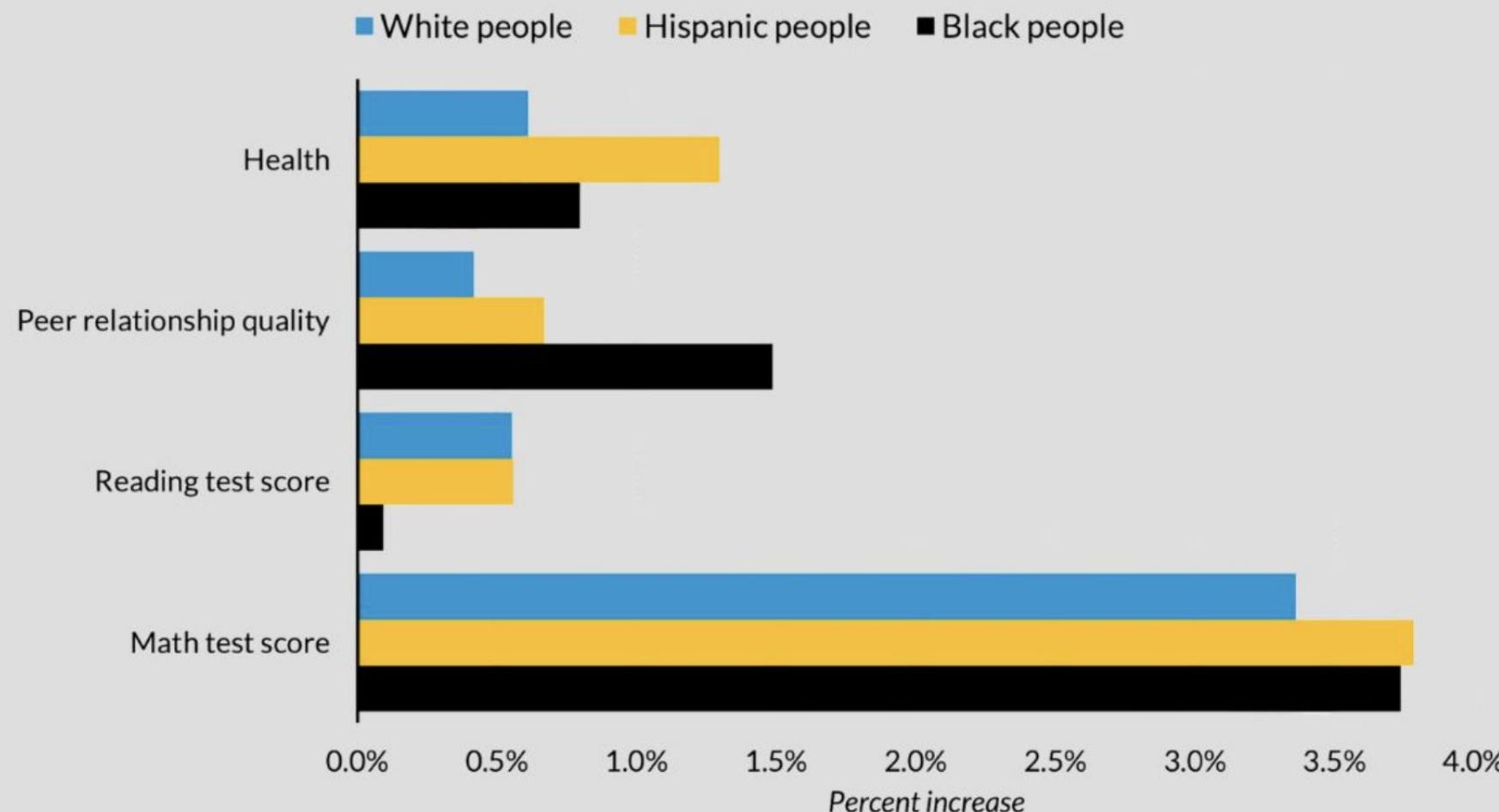
Later math achievement



*Duncan, et al
2007*

Math also matters for life success

Predictive Factors from Middle Childhood for Increase in Earnings at Age 30



*Urban
Institute,
2024*

Family engagement matters for math outcomes

Four Types of Family Engagement Matter for Math Learning

1

High **parental**
expectations



2

Family involvement with
child's school

3

Parents' use of **math**
talk with their children

4

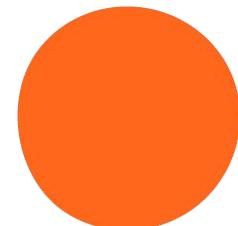
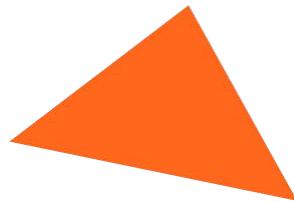
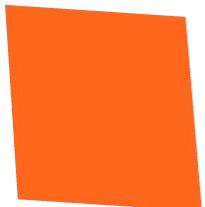
Quality home learning
environment (including
books, games and
puzzles)

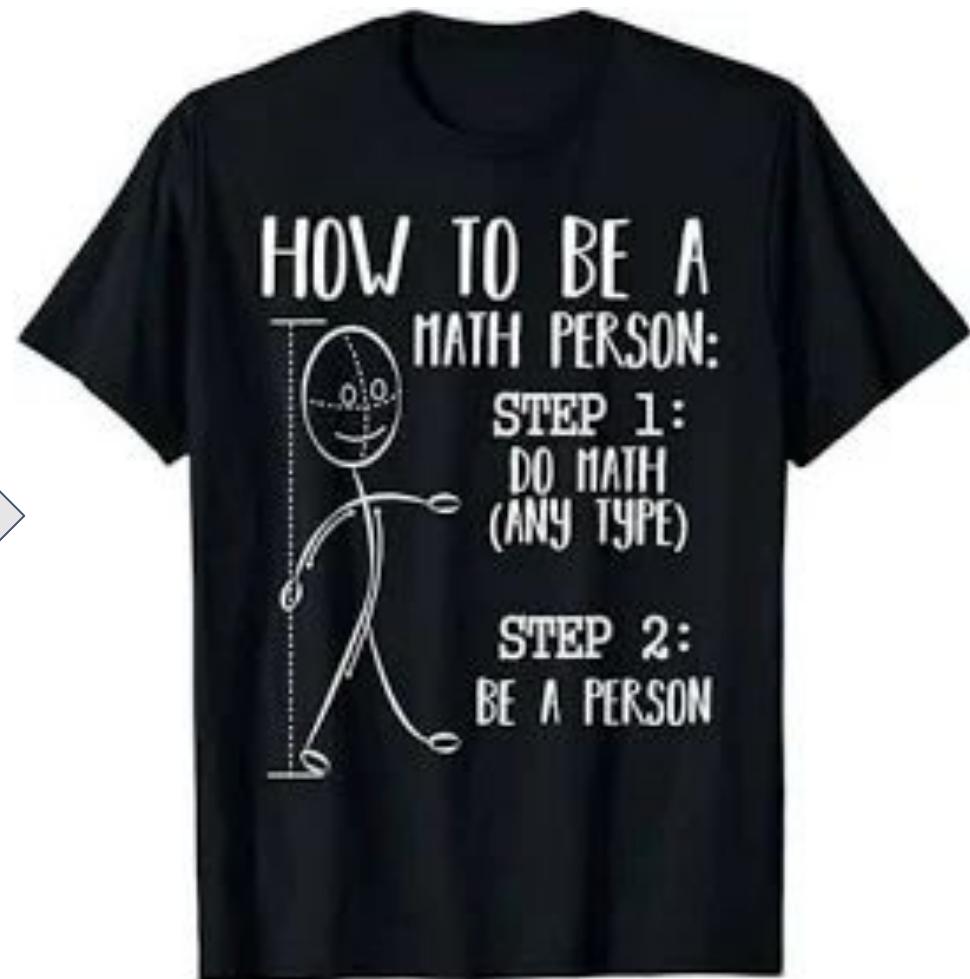
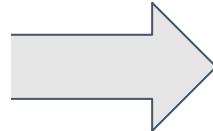
**Family
engagement** in
math learning
enhances their
**skills, knowledge
and positive
attitudes** towards
math and learning



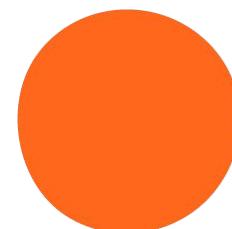
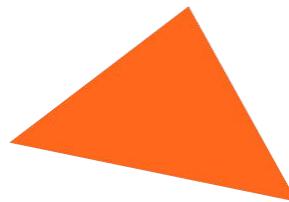
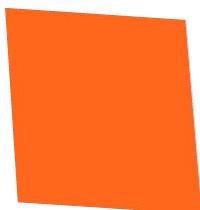
Math beliefs and feelings need our help!

- **93%** of adults in the U.S. report some level of math anxiety
- Globally, **59%** of teens report that they worry about the difficulty of math classes, while 31% report getting very nervous doing math problems





What Does Family Math Look Like in Practice?



1. Nurturing a culture of Family Math literacy at home

- Frequent “math talk” and family math interactions
- Sharing books, games, everyday activities
- Holding high expectations



2. Partnering with family, school, and community around math

- Transparency about math standards, progress, and pathways
- Making “school math” meaningful
- Bringing families into school for math fun
- Activating community organizations and spaces





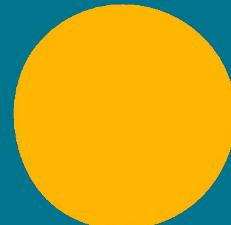
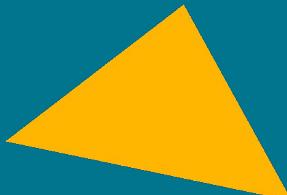
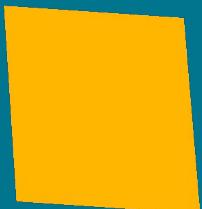
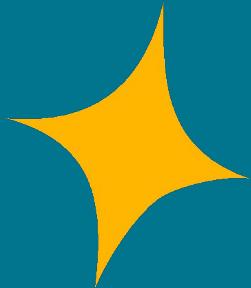
- **Share one thing you've done to connect with families around math, OR**
- **Share another emoji to show how your feelings about math are shifting...**



Center for
Family Math

Find resources at:

familymath.org
nafsce.org



Brought to you by:



Virtual

October 6

In-person

October 8-10



NATIONAL ASSEMBLY

FOR FAMILY ENGAGEMENT IN EDUCATION

New Orleans 2025

Save the Date



For Small Group Discussion:

- What are your own and your colleagues' beliefs when it comes to math?
- What is your school or organization already doing to include Family Math in family engagement?
- Where are there opportunities to infuse math into your existing family engagement practices?
- What would be helpful resources? How could the Statewide Family Engagement center help?