

# The Community Alliance for Mathematics



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# Outline

- Introduction
- CAM
- Central Question
- Hard Stuff
- Conclusion



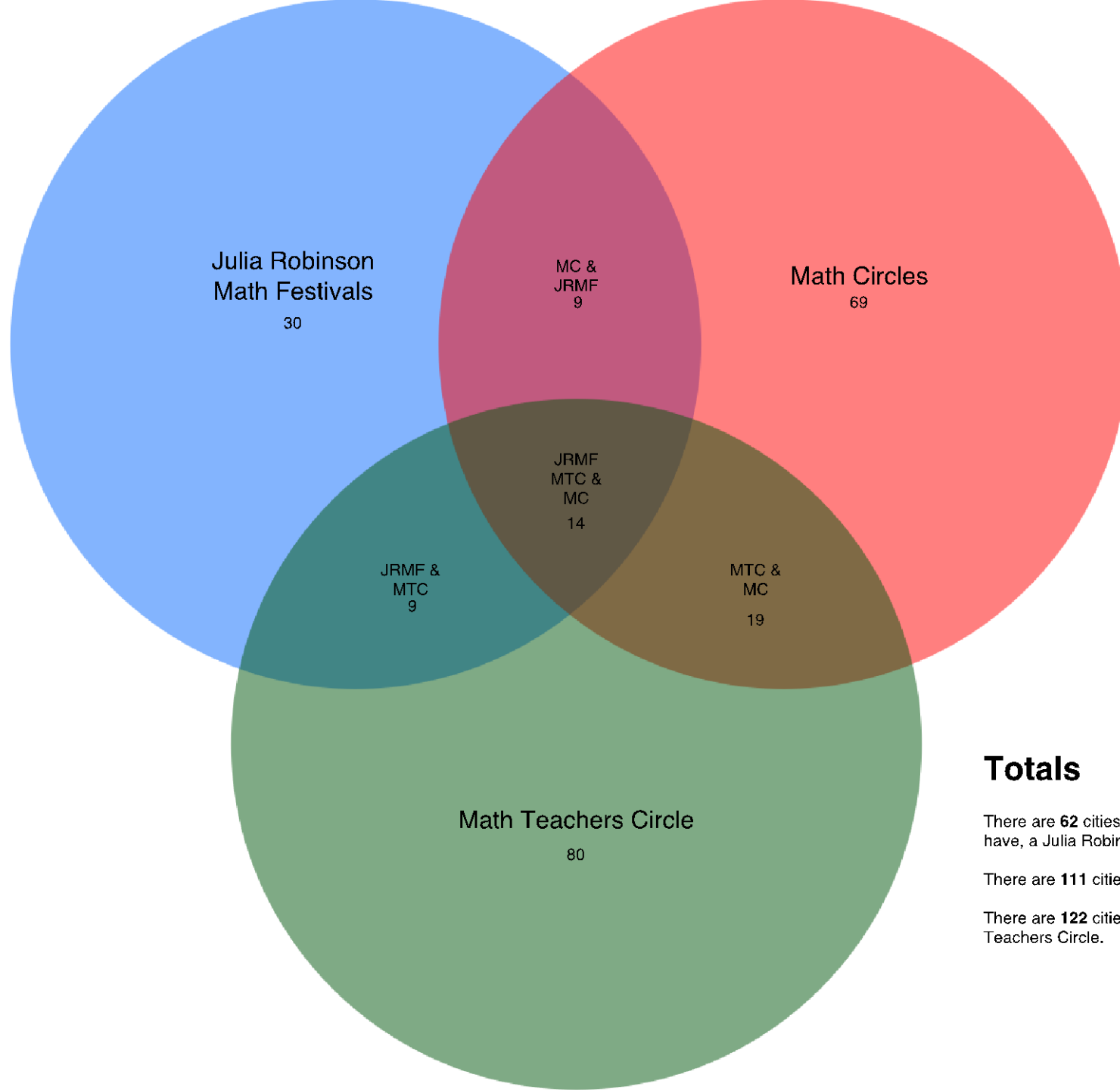
# Community Alliance for Mathematics: Vision

For students, teachers, and families of every color, gender, and income level, in every ZIP code, to have meaningful access to equitable spaces for doing mathematics.

By increasing collaboration among partner organizations and growing sustainable regional infrastructure that intentionally focuses on reaching underrepresented groups through partnerships between teachers and mathematicians, CAM will foster a nationwide web of community engagement with mathematics as an active, creative, and living discipline that belongs to all.

# Community Alliance for Mathematics: Partners

- AIM
- MSRI
- MAA
- MTC Network
- National Association of Math Circles
- Alliance of Indigenous Math Circles
- Julia Robinson Mathematics Festivals
- Mathematicians of Color Alliance (NSF INCLUDES Launch Pilot)



## Totals

There are **62** cities that have, or are scheduled to have, a Julia Robinson Math Festival.

There are **111** cities that have an active Math Circle.

There are **122** cities that have an active Math Teachers Circle.



# Connectedness

- Out-of-school spaces have transformative potential for engaging/reengaging students in mathematics (cf. Gutiérrez & Irving, 2012; Walker, 2012).
- Teachers can be key partners in creating these spaces, while also engaging in professional learning so that they can create similar spaces in their classrooms every day.
- Our community has already done a lot to build these spaces for *some* students and teachers. We have the potential to not only make existing spaces more accessible and equitable, but also to connect them in a way that bridges out-of-school experiences to everyday, in-the-classroom experiences that will reach many more students.

# How Do We Get There?


- Build on existing programs and emerging regional infrastructure
- Spread strategically to areas and populations traditionally underserved by our community
  - MAA MTC Training Workshop
  - AIMC Summer Math Camps
- Increase communications and conversations at the local, regional, and national levels

Who is Mathematics for?



My car's gas tank holds 14 meters of gasoline.

Community



Academia  
School

Us  
The Future

# “What Can I Do Now?”

- Consider your own programs
  - Who are you reaching?
  - Who feels welcome and included?
- Connect and explore collaborating with other nearby MTCs, MSCs, JRMFs, etc.
- Consider whether your area is a good candidate for a Community Alliance for Mathematics pilot site.

*For too long we have relegated mathematics to the margins, outside of the public sphere, only as an academic subject. We, as mathematicians of all sorts, know better. Each of us has experienced this magnificent subject in personal ways that have transformed us into the people we are today. We must realize that our personal mathematical experience is NOT special. When a person is remade anew through experiencing literature, it is taken as commonplace; that is what literature can do. Too many people are convinced of the inability of mathematics to have the same universal and immense influence. They are mistaken.*

*We believe in the transcendent power of mathematics to impact people from all walks of life. This is our challenge. We must give mathematics back to the people, to all people in every community.*

We can do this!

Thank you!

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