

# GIRLS TALK MATH

## Engaging Girls Through Math Media



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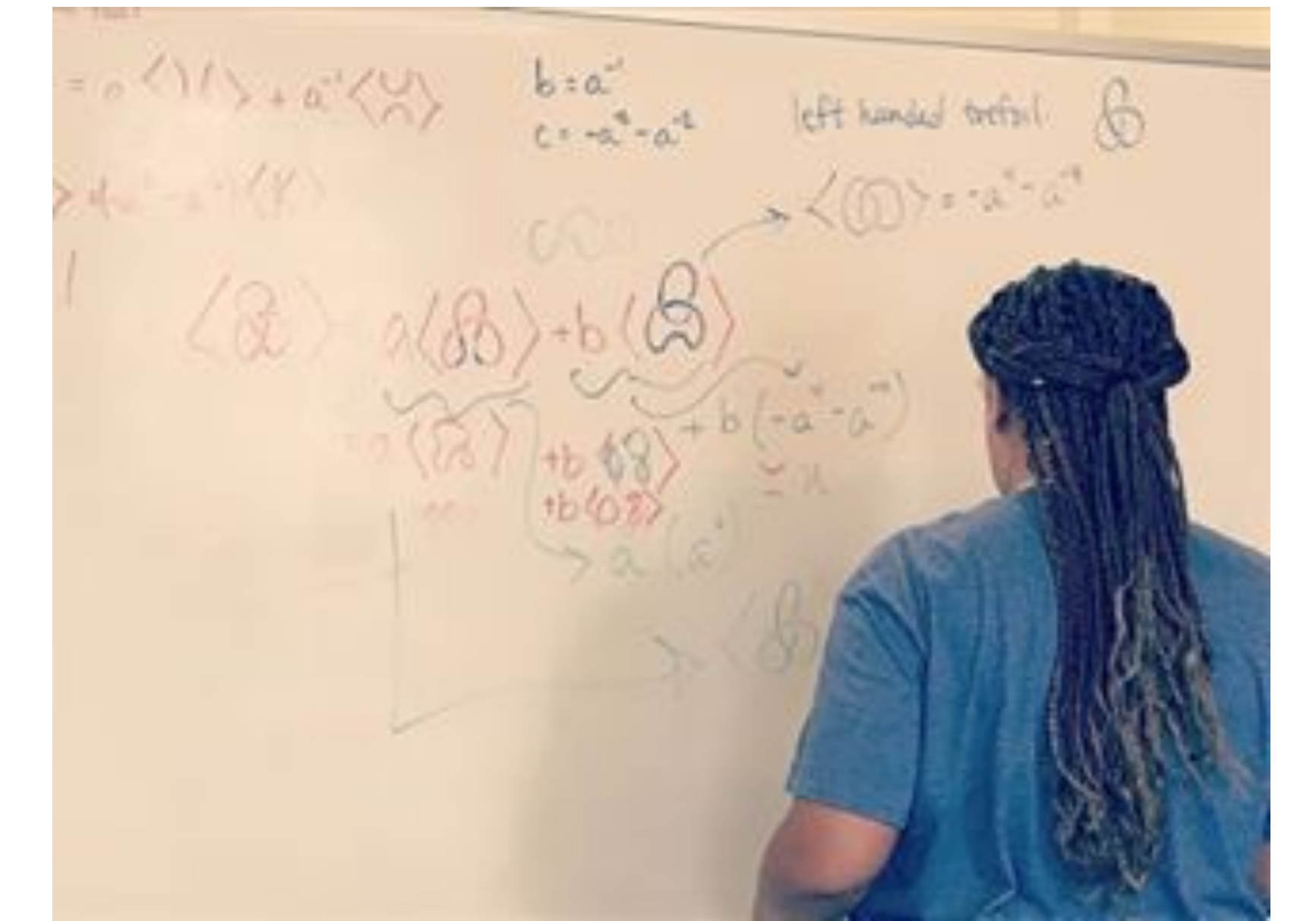
University of North Carolina at Chapel Hill  
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MAA Tensor Women and  
Mathematics Grant



### Quick Facts

- **Girls Talk Math** is a free 2-week-long day-camp directed at high school girl-identifying students interested in Mathematics.
- **26 girls from around the Triangle Area in NC** attended our camp in 2016; **35 attended in 2017**.



### Camp Activities

- Campers are divided into small groups based on their Math preference. Each group is assigned:

★ **Mathematics Problem Set**  
on a challenging topic. Problem sets include hands-on activities and are designed as active-learning exercises.

★ **Female Mathematician**  
whose work relates to the topic of their Mathematics problem set. They research her life and work.

↓  
Produce a **Blog Post**  
about the **Math** they learned

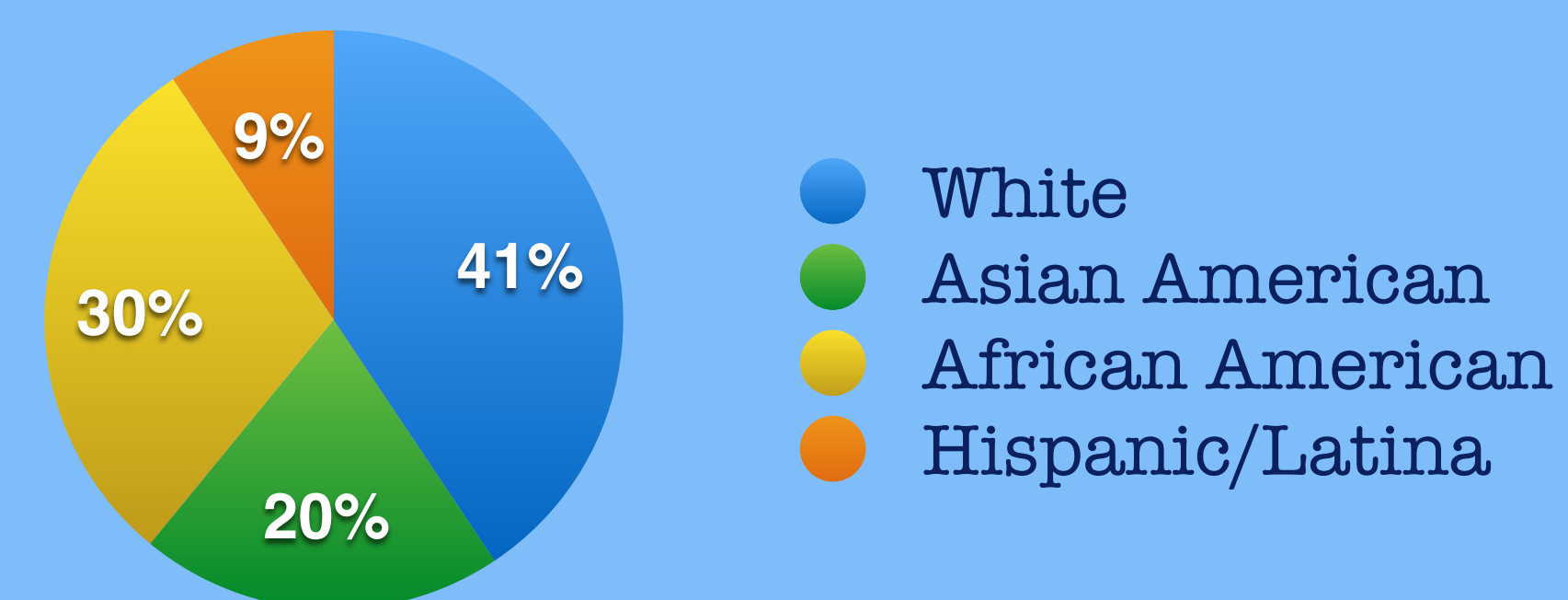
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Record a **Podcast** about the  
**Female Mathematician** they researched



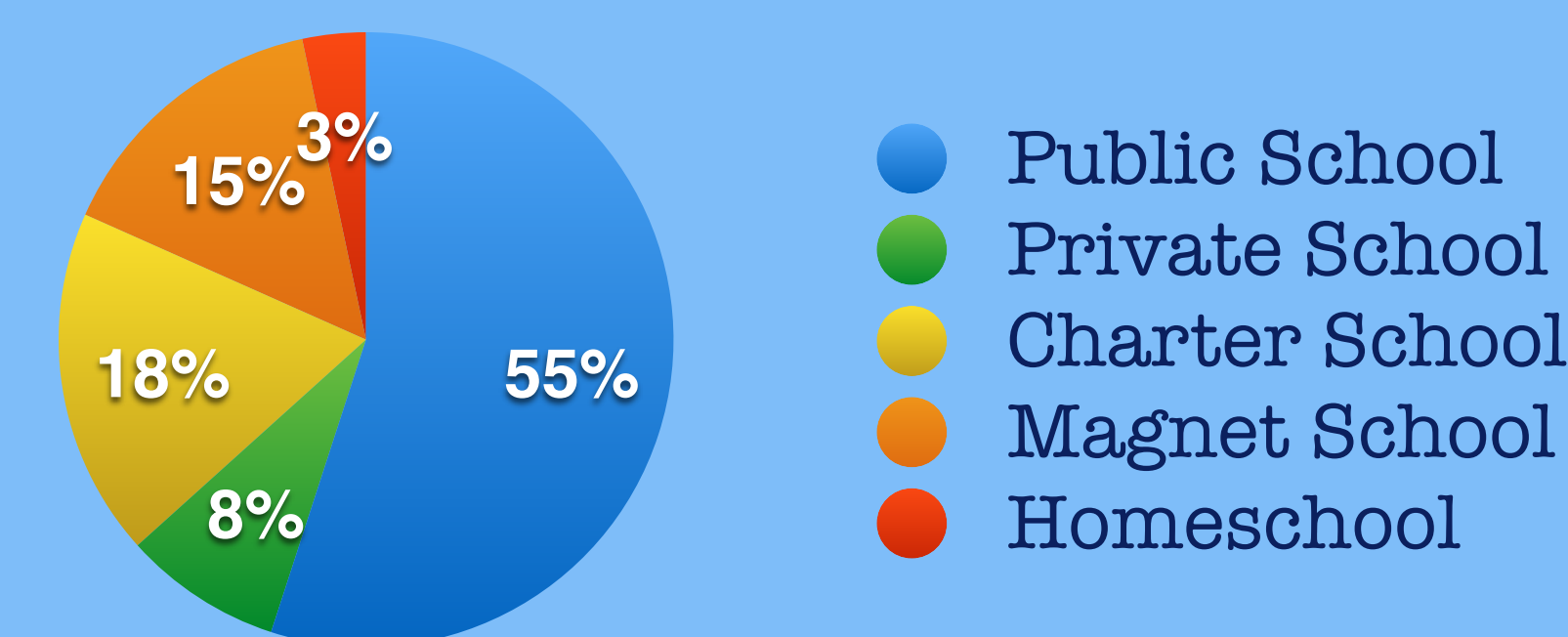
### Mathematics Topics

- Elliptic Curve Cryptography
- RSA Encryption Cryptography
- Classification of Surfaces
- Knot Theory
- Special Relativity
- Quantum Mechanics
- Networks
- Scientific Computing
- Fluid Dynamics

### Camp Demographics



The shown categories are limiting and only used here for visualization.



Campers come from rural and urban areas within a 40-miles radius from UNC.

### Goals

The goal of Girls Talk Math is to **encourage girls to consider careers in mathematics**.

The camp wants to **tackle the following issues**:

- Lower confidence in mathematical abilities reported by female students.
- Lack of female representation among mathematicians.
- Less encouragement from peers and teachers geared to female students.

