

Understanding Teacher Needs for Starting and Running a Maths Circle

Maths Circle India Team

International Centre for Theoretical Sciences - TIFR, Bangalore

10 October 2025

Outline

What are Maths Circles?

Outline

What are Maths Circles?

ICTS experience

Method

Examples outside ICTS

Outline

What are Maths Circles?

ICTS experience

Method

Examples outside ICTS

Need and Gaps

Outline

What are Maths Circles?

ICTS experience

Method

Examples outside ICTS

Need and Gaps

Discussion

What are Maths Circles?

Maths Circles are communities to nurture children's curiosity and talent in mathematics. They began as after-school programs in Soviet Union, where school teachers guided students to do problems outside their textbooks. They have since spread worldwide in many different forms.

ICTS Experience

ICTS-RRI Maths Circle

- ▶ Meeting on 2nd and 4th Saturdays of every month at **RRI, Mekhri Circle**.
- ▶ In collaboration with Raman Research Institute (RRI).

Maths Circle India

- ▶ Meeting on 1st and 3rd or 2nd and 4th Fridays over **Zoom**.
- ▶ In collaboration with a network of institutions and people across India.

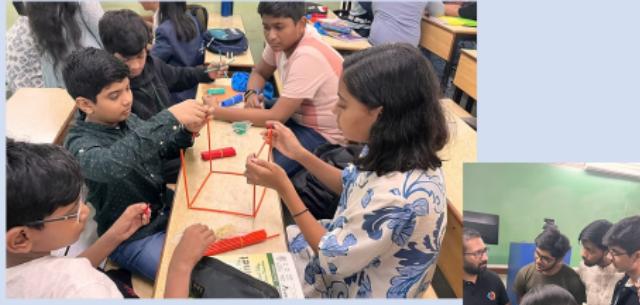
How we do it?



Other Maths Circles

RAM Maths Circles

Maths Circle Nagpur



*

*Image source: raisingamathematician.com

Other Maths Circles

RAM Maths Circles

Maths Circle Chennai



*

*Image source: raisingamathematician.com

Other Maths Circles

RAM Maths Circles

Maths Circle Dombivli



*

*Image source: raisingamathematician.com

Other Maths Circles

RAM Maths Circles

Palakkad Maths Circle - IIT Palakkad



*Image source: mathcircle.iitpkd.ac.in

Other Maths Circles

RAM Maths Circles

IISER Bhopal



*Image source: Ajit Bhand

Other Maths Circles

RAM Maths Circles

IISER Bhopal



*Image source: Ajit Bhand

Needs and Gaps

- ▶ Small groups (\leq 20 students) make sessions more effective and interactive.

Needs and Gaps

- ▶ Small groups (\leq 20 students) make sessions more effective and interactive.
- ▶ Populous cities like Bangalore need multiple maths circles to accommodate the many students at different levels

Needs and Gaps

- ▶ Small groups (\leq 20 students) make sessions more effective and interactive.
- ▶ Populous cities like Bangalore need multiple maths circles to accommodate the many students at different levels
- ▶ Sustaining circles requires collaboration among university faculty, school teachers, and administrators

Ask-Us-Anything



Scan the QR to submit your questions and/or see others' questions.

†Comments and suggestions are also welcome.