Resources

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> This is a list of resources helpful for both students and teachers. Resources recommended for teachers are also useful for students, and vice versa. Feel free to reach us any time at `benkang@mit.edu`, `hsmui@mit.edu`, and `psaeng@mit.edu` if you have any questions!

For students

- IMO website (`imo-official.org`)

- Olympiad beginner page (`web.evanchen.cc/wherestart.html`)

- Art of Problem Solving (`aops.com`)

  - Alcumus (`aops.com/alcumus/`)
  - For the Win! (`aops.com/ftw`)
  - Contest collections (`aops.com/community/c13_contests`)
  - Forums (`aops.com/community`)

- Short answer / introductory proof contests

  - American Mathematics Competitions (AMC8, AMC10, AMC12)
  - Tournament of Towns O-level and Junior level
  - USA Mathematical Talent Search (USAMTS)
  - HMMT November tournament

- Art of Problem Solving books (`aops.com/store`)

- *The Art and Craft of Problem Solving*, by Paul Zeitz

- *Euclidean Geometry in Mathematical Olympiads*, by Evan Chen

For teachers

General Mathematics

- *The Art and Craft of Problem Solving*, by Paul Zeitz

- *Problem Solving Strategies*, by Arthur Engel

- OTIS Excerpts (`https://web.evanchen.cc/excerpts.html`)

- Evan Chen's Olympiad articles (`web.evanchen.cc/olympiad.html`)

Algebra

- *Basics of Olympiad Inequalities*, by Samin Riasat

- *Functional Equation* (`aops.com/community/c6h1592427p10968935`)

Geometry

- *Euclidean Geometry in Mathematical Olympiads*, by Evan Chen

Number Theory

- *Olympiad Number Theory Through Challenging Problems*, by Justin Stevens

- *Modern Olympiad Number Theory*, by Adithya Khurmi

Contests

- International Mathematics Competition (`chiuchang.org/imc/en`)

- Canadian Mathematical Olympiad Qualification Repêchage

- Pan-African Mathematics Olympiads