Online Resources for Olympiad Training

1. Online books by topic

Number Theory by Justin Stevens

Number Theory by David Santos

Geometry Revisited by H. S. M. Coxeter and S. L. Greitzer

Geometry Unbound by Kiran Kedlaya

Combinatorics by Pranav A. Sriram

Problem Solving Methods in Combinatorics by Pablo Soberon Bravo

Basics of Olympiad Inequalities by Samin Riasat

2. Collections of notes on various topics.

My Euclidean geometry class website.

IMO math, from the authors of the IMO Compendium.

Notes from USA maths Olympiad training (only some of these come with explanations and examples, but those that do are quite good).

Yufei Zhao   Po-Shen Loh   Evan Chen

3. International Contest Collections of problems:

Art of Problem Solving extensive collection of international contest problems with solutions proposed and discussed by community members.

IMO Compendium contains IMO problems and solutions from the very beginnings in 1959.

Last but not least, the official IMO website with contest and shortlisted problems