

2020 *inteGIRLS* Puzzle

Hunt Rules

Points

- Each **easy puzzle** is **100 points!**
- Each **medium puzzle** is **200 points!**
- Each **hard puzzle** is **500 points!**
- Each hint takes away some number of points that is denoted on the **CTF, the website that contains all the puzzles!**
- You get unlimited attempts for each puzzle (**capitalization doesn't matter**).
 - However, we do factor in the number of attempts per puzzle in tiebreakers, so **try not to answer a puzzle unless you are sure of it!**
- Each puzzle is independent of all other puzzles.
- After you solve a puzzle, a biography of the associated woman in STEM will appear!

A Note about Hints

- You cannot use hints unless **you, as a user, have earned points**. The CTF totals all individual points to output a team total, so for example, if your teammate has submitted an answer to an easy puzzle, but you have not submitted an answer yet, then your teammate will have 100 points and you will have 0 points (but your team has a total of 100 points). **Since you have no points, you will not be able to redeem hints**; however, your teammate WILL be able to redeem hints with their 100 points that all of your teammates will be able to access. Keep this in mind when you figure out who will be submitting answers; the *inteGIRLS* team recommends that **you appoint one person to submit answers so that it's easier to keep track of points and hints!**
- Also note that the teammate who completes the “the *inteGIRLS* 2020 Puzzle Hunt Honor Code” and “Sign up for the forum!” CTF challenge will **automatically get 100 points** to redeem hints! See the “Competition Logistics” section for more details!

Resources that You Can Use

- You can use a lot of resources for this puzzle hunt! Here is a list of what is allowed:

- Your brains!
- Your team members.
- Published content such as articles, books, videos (Examples: Wikipedia, YouTube, etc.) (you are encouraged to do research!).
- **Here is what is not allowed:**
 - **People who are not part of your team.**
 - **Non-inteGIRLS forums** or other internet communication (Examples: StackExchange, Quora, AoPS, Discord servers that include people who are not on your team, etc.) See the note about proper use of the inteGIRLS forum under “A Note About Cheating”
 - **DON'T PIRATE WEBSITES.** If you do, we will not be liable for any legal consequences that you may face.

Competition Logistics

- On the day of the competition, you will be asked to join the forum -- you will need to do so before you begin solving puzzles.
- You will also be asked to type **“I agree to the above honor code, and understand that if I attempt to cheat on this competition, I will be immediately disqualified.”** (capitalization doesn't matter) into the **Honor Code challenge** on puzzle.integirls.org before you begin submitting answers!
- You must also **sign up for the forum** -- more instructions are in the “Sign up for the forum!” challenge
- The competition begins on **Friday, May 29 at 5:00pm (ET)** will end (no more submissions) on **Sunday May 31 at 5:00pm (ET).**

A Note about Cheating

- Because this puzzle hunt is purely digital, we understand that there are temptations to cheat and approach the puzzles in a dishonest manner
- Any suspicious behavior before or during the competition will result in a thorough investigation of all parties involved
- Any teams or team members found to be cheating will face immediate disqualification from the competition.
- **Don't post anything about the puzzles or the solutions on the forum!** During the competition period, moderators will be scanning social media, the forum, and other digital platforms to make sure no information is leaked. We can see all messages (both private and public) that are sent on the forum, so don't post any information about the puzzles in any section of the forum.

- **YOU WILL BE IMMEDIATELY DISQUALIFIED IF YOU ATTEMPT TO CHEAT ON THE COMPETITION!**

FAQ

How will ties be resolved?

The team with a higher percent of correct answers out of all attempts will win a tiebreaker (so don't spam wrong answers!).

How do I report an instance of cheating?

Email us at info@integirls.org. We encourage you to **report any suspicious activity** -- this competition is meant to be a fun and fair experience for all of you!

What do I do if I think a team is cheating but I'm not sure?

If you have ANY suspicion of unethical behavior used to solve these puzzles, report it to info@integirls.org. Our administration team will then conduct a proper investigation of the situation.

When do solutions come out?

Solutions will be posted a week after the end of the competition ends. Professor Po-Shen Loh, the coach of the US IMO team, will be livestreaming the solutions to some of our favorite puzzles on Monday, June 1, and we will send you the link immediately after the competition. All girls are also encouraged to engage in discussion in the forum about each puzzle and their approaches after the competition ends on Sunday -- individual topics/sections will be created in the forum for each puzzle.

Where will solutions be posted?

Solutions will be posted both on the forum and on www.integirls.org/puzzle.

If I have a really cool solution, where can I post it?

You can post cool puzzle solutions in the forum AFTER the competition. It will be amazing to see different girls from all over the world come together to discuss their thoughts!

Prizes? Who gets them and what are we getting?

We are excited to provide a small incentive for our top puzzlers -- the top teams in both our middle and high school divisions will receive \$20 gift cards for each member of the team. Unfortunately, Open division members will not have an opportunity to receive a monetary prize

Who is participating?

This is an event designed for GIRLS and NON-BINARY individuals only. If you do not identify as female or non-binary, we encourage you to check out other puzzle events on the [official puzzle guide](#) (on www.integirls.org/puzzle).

Have you found the hidden word?

If you have, congratulations! If you haven't, check the forums following the competition.

More questions? Email info@integirls.org or ask in the forum (forum.integirls.org)!