

$$x \mapsto \exists q \in [0, 1) : \forall x, x' \in X$$

$$\forall \epsilon n \geq n_0 : (x_n - q) < \epsilon$$

$$x_n \in N$$



$$(x_n)_{n=2n+3} \quad \forall n \in \mathbb{N}$$

$$g) < \epsilon \quad \text{lokal. } \{x_n\} : x_n$$

$$\text{max; } \{x_n\}$$



Arnav Kedia

Grade $\sqrt{15^2 - 12^2}$



The WMTc competition truly enabled me to enhance my understanding of the complex field of mathematics, and gain further insight into different correlations and relationships within this field. Although I have participated in other math competitions in the past, WMTc was truly unique due to its focus on mathematical reasoning and thinking rather than simply using standard formulas, which aligns with the ethos of IB curriculum. I was able to apply my knowledge to real world situations and understand the intricacies of mathematics. The level of questions was definitely above what we are normally used to, but as a team we were extremely resilient and we were able to persevere throughout the competition. It was quite challenging to conduct the competition virtually, but we were able to make the most of the unprecedented situation and put in our best effort during all rounds of the competition. Overall, I feel that the WMTc has further cultivated my interest in mathematics, and has urged me to pursue Higher Level Math in the DP.

I was extremely grateful for the opportunity to participate in the WMTc International competition. However, it would be a lie if I said the entire process was easy. Surely all of us prepared with the practice papers that were given but had a hard time with many unfamiliar questions not from actual classes. But overall, it was a great experience to learn new equations, formulas and mathematical concepts. Additionally, developing other general skills such as time management skills. Therefore, thank you for this opportunity.

Jihyun Yang

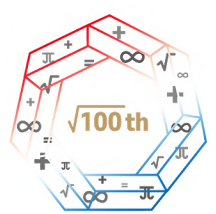
Grade $\int_0^3 x^2 dx$

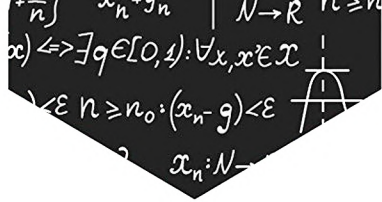


I felt really grateful to be part of this math competition. I learned so much from this experience, as the questions dealt with more difficult math questions. Regardless of the outcome, the whole experience was very fun, and I would love to be part of this group the following year.

Seongjoon Yang

Grade $-18 + 4(6 \div 2)^2$





Grade $\sqrt{15^2 - 12^2}$

Seoyun Jeon



It was such an honorable experience. Because I never thought of myself in a global math competition. However, it was also nervous on the other side since it was a world competition and I had some pressure. And as expected the questions were very difficult. I am not sure how our team will come up with and even though there was a lot of pressure and the questions were not familiar, I tried to do my best and it was a great experience. I would like it to be offline and there are team rounds if we get to participate in the competition somewhen again:)

On the 27th of November, 2020, I participated in the World Mathematics Team Championship, which was a remarkable experience that allowed me to compete internationally. With my teammates, I completed a total of 6 rounds, ranging from Individual, Relay, and Team rounds over the course of over 4 hours. The mathematical topics we covered were challenging but allowed us to expose ourselves to advanced content in preparation for DP HL Maths. I would like to first thank Dr. Rana, who always supports any school teams and our participation in this competition. Furthermore, I would like to thank Ms. Gavrila, the backbone of this competition, for being the ultimate support and giving up her afternoons and weekends to attend meetings and proctor the competition. Finally, I want to thank my teammates Arnav Kedia, Jihyun Yang, Seongjoon Yang, Seoyun Jeon, and Tudor Balaj for being the best teammates I could ask for. Overall, I am grateful to have had this spectacular opportunity and am looking forward to great results!

Sofia Faghihy



Grade $\int_0^3 x^2 dx$

Tudor Balaj

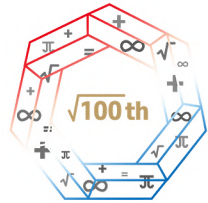
Grade $\frac{-18 + 4(6 \div 2)^2}{2}$

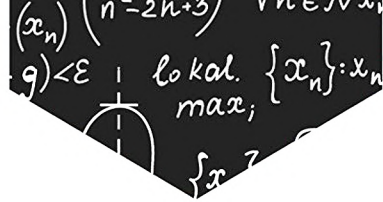
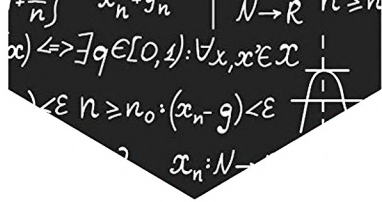


I really enjoyed participating at the WMTC competition. It was a great experience that allowed me to not only apply my maths skills but to also collaborate with classmates in a team effort. I have developed my interpersonal skills, developed my maths skills, and had a great team experience like no other. Thank you.



WMTC Intermediate Level Team, GEMS World Academy Dubai





Aahna Lal



Grade 3!

WMTC was a very unique experience, where we learnt lots of new ways and tricks to solve different math problems. It was very challenging and fun at the same time. I am grateful to be a part of this team and hopefully we can do it next year as well.

It was fun and challenging.
Experience of online test was a new style of competition for me and my teammates.
I hope we can get the chance to do it again in person.

Jihoo Ahn



Grade

$$9 - \frac{9}{\sqrt{9}}$$

Liam Peter



Grade 3

$$\frac{66}{3} = \frac{132}{x}$$

I found WMTC challenging with the variety of problems however it was a great and unique experience. This year was especially challenging because the team competition was on line. I enjoyed participating with my friends.

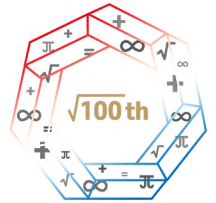
The experience of WMTC was really fun and challenging. I really enjoyed the problem solving exercises and competing with my friends.

Mythri Nair



Grade

$$\sum_{n=1}^3 n$$



$$x_n \in N \mid N \rightarrow R \quad n \geq n_0$$

$$x \leftrightarrow \exists q \in [0, 1) : \forall x, x' \in X$$

$$\forall \epsilon n \geq n_0 : (x_n - q) < \epsilon$$

$$x_n \in N$$



$$(x_n) \quad (n = 2n + 3) \quad \forall n \in N$$

$$q) < \epsilon \quad \text{lokal. } \{x_n\} : x_n$$

$$\text{max; } \{x_n\}$$



Priya Barke



Grade 3!

WMTC 2020 has been a unique, intricate and exciting experience for me. The part I mostly enjoyed was solving difficult problems and challenging myself and with others. I am thankful to GWA, my co-participants and parents. It was a priceless escapade and hope to do it again sometime.

The World Mathematics Team Championships took place virtually on Friday, 27th of November 2020. This international competition featured two individual rounds, three relay rounds, and one team round, all being in the duration of 4+ hours. It was a team-based challenge where I had the privilege of being with my teammates, Jihoo Ahn, Liam Peter, Priya Barke, Mythri Nair, & Aahna Lal. Two teams of dragons, (Junior & Intermediate) were the only teams representing not only GWA but also the UAE in such a global intellectual event. I would like to express my sincere appreciation to our CEO/Principal, Dr. Saima Rana, for all her kind cooperation and support upon me and my sister's request when we introduced this competition to GWA and wished to take part in it. I would also like to give a special thanks to Ms. Gabriela Gavrila who was the leader for both GWA teams from the mathematics department. Together with my teammates, we were able to challenge ourselves globally at a very high mathematical level and compete with students in our age categories from different countries all around the world. We learned different methods of advanced mathematical problem-solving approaches and topics. We hope that more dragons take part in WMTC and represent our school in the live event next year!

Saif Faghihy



Grade

9 - 9/10

The 12th World Mathematics Team Championship

WMTC 2021

Qatar

