



$$\frac{1}{3} \cdot \frac{1}{n} = r_B$$
$$1 \text{ lawn} = (r_A + r_B) \cdot t$$
$$1 = \left(\frac{1}{2} + \frac{1}{3}\right) \cdot t$$
$$1 = \left(\frac{3}{6} + \frac{2}{6}\right) \cdot t$$
$$\frac{5}{3} \cdot 1 = \frac{5}{3} \cdot t$$
$$1.2 = \frac{6}{5} = t$$



Fiscal Year: July '23 – June '24

Year-end financials, including some upcoming changes

Note from one of the Founders

A note from

Ryan Maccombs

- Math Instructor, Michigan State University
- One of You Discover Math's founding board members



As one of the founding board members of You Discover Math, I am extremely proud as I look back on yet another incredible year of growth, learning, and impact. Our initial goal, which was simple yet deep, was to make math accessible and enjoyable for all, especially young learners and those who might not see themselves as "math people." What began as a passion project is taking shape into something greater than I could have ever imagined.

This year, YDM has been fortunate to have the ongoing support of a wonderful community. Our volunteers, board members, and partners have made our work not only possible but deeply impactful. Thank you to all of you who gave your time, energy, and resources. Your dedication to YDM's success and passion in our mission has been the driving force behind all we have accomplished. I am also incredibly grateful to our donors, both large and small, who have helped us financially. We have been able to further develop our programs, attract a wider audience, and (most exciting of all) hire our first employee because of your generosity. Finally, to the students and families who have placed their trust in us, I want to thank you for allowing us to be a part of your learning journey.

It's because of all of you that YDM is where we are today. As I look back on the past year, I am filled with pride for all we have accomplished together and excitement for what lies ahead.

A handwritten signature in black ink that reads "Ryan Maccombs". The script is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Note from the current Board President

A note from

Greg Kehrier (pictured with Raven, the border collie)

- Chemical Engineer & Applied Mathematician
- Former math instructor at Michigan State University
- YDM's Board President, and volunteer acting executive director



To add to what Ryan mentioned, I also feel proud of what You Discover Math accomplished so far. In our first 3 years, we met many students who felt discouraged with math and helped them begin to *want* to engage with math. We have done this by listening to students—really listening. As I have learned from the great math educator Bob Moses, *"teaching is not about getting the student to learn what is in the teacher's head; it's about getting the teacher to understand what is in the student's head"*. As tutors, or as educators in any role, we do not transfer potential to anyone, and we do not create potential in anyone. We merely help others bring out and develop the amazing power they already possess. Mathematical potential and ability are found in everyone, in every community.

But while talent and capacity are equally distributed, sadly, opportunity is not. Far too many students (both youth and adults) experience math in ways that leave them feeling disengaged, left out, or like math is not "for them" at all. Often, the "math" students experience in school gives them a wrong impression of what math as a subject actually *is*. This problem will not be solved by the same systems that created it. However, it **CAN** be solved when community members come together to *demand something better*. And that is exactly why our organization has had the opportunity to begin playing a part in fixing our math education crisis. We have created ways for people of many different walks of life to rally around the belief that **math is for everyone**, with a shared commitment to enable more students to have more engaging math learning opportunities.

The impact of You Discover Math on me personally has been huge. Being a part of this organization's startup and growth has helped me come a little closer to fulfilling what I believe is a part of my calling in life. I'm deeply grateful for that.

There is much more to do, and we have only just started. Look around, you can find signs and symptoms of math illiteracy and math phobia almost everywhere. In our country, so many people still feel math is "not for them". This realization should bother you, but it should not make you feel hopeless. You have the power to do something about it. So, let's do this together!

About Our Organization

Our organization is driven by a simple yet profound belief: **Math is for everyone**. Our journey began with an envisioned future where *all math students receive guidance from caring role models, who help them discover the beauty of math, and learn math in a supportive community that develops confidence & character in all its members*.

To make our vision a reality, our mission is to provide engaging math learning opportunities for all students, regardless of geographical location or economic status. We're breaking down the barriers to make math accessible and fun for everyone.

You Discover Math was started in 2021 as an all-virtual, all-volunteer organization, with founders in 3 different US states. We structured our organization into distinct committees / teams, as shown in the figure below. Each team / committee collaborates with each of the other teams to set and achieve goals, in which each individual team focuses on a certain “cluster” of goals and activities that align with the teammates’ areas of interest & expertise.



Teams are all interconnected, with complementary & partially overlapping goals with other committees/teams. Because they are all interconnected, every team collaborates with each other to accomplish our mission—to enable more students to have more engaging math learning activities.

You Discover Math took particular care to structure our Leadership Team to reflect our core belief that teenagers and young adults are among the BEST qualified people to contribute to the design and implementation of math learning systems designed to serve young people. Yet, youth tend to be vastly under-represented in forums where decisions about education structures for young people are being made. To accomplish its mission, we acknowledged that we must set an example of how to solve that problem, by demonstrating that young people are highly qualified for, and capable of playing various leadership roles within education-focused organizations. Accordingly, *empowering youth* is one of YDM’s core values. We decided to structure our Leadership Team with convenient ways for young people to participate—helping our organization make better-informed decisions, and to help youth develop essential skills to thrive in any future career they may choose.

This structure offers community members of all ages the opportunity to take on leadership roles and explore the possibility of future director positions. Simultaneously, it allows YDM’s current Leadership Team the opportunity to connect with new leaders and develop effective succession planning, ensuring a pipeline of individuals aligned with YDM’s core beliefs, vision, and mission.

Our First Program

You Discover Math's founding program, as well as our strategy, is not about "just tutoring" math students. Rather, it's more about supporting students:

- to see *themselves* as *capable* of developing as much math knowledge as they choose.
- to see *themselves* as *the architects* of their own math learning structures.

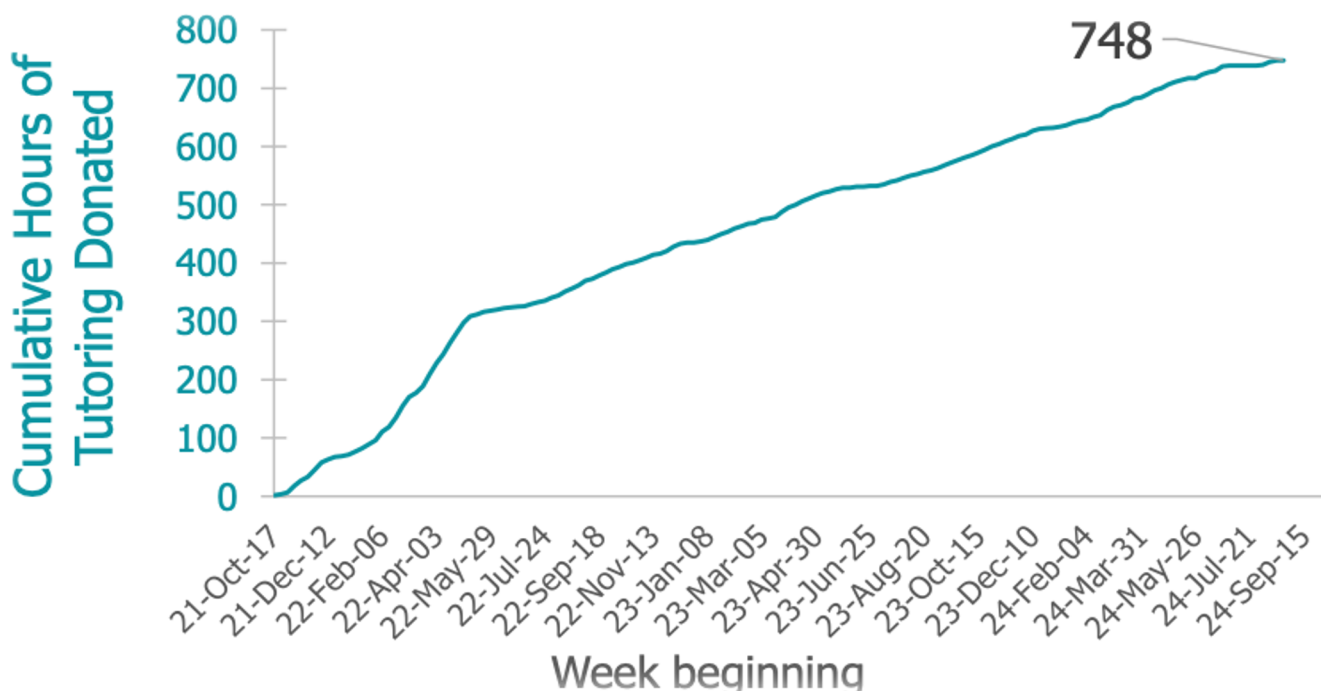
Cumulatively, as of August 2024, we have provided > 730 hours of math tutoring & academic coaching, all for free or by donation.

With an all-volunteer team, we have served:

- **20** different students,
- in **5** different states (TX, AZ, VA, MI, LA),
- in math levels ranging from **3rd grade** through single variable **calculus**.

Our clients have included:

- students who report experiencing test anxiety,
- students with learning disabilities (dyslexia or ADHD),
- students whose parent has recovered from substance abuse,
- students in single-parent families and low-income households,
- teenagers who are under-represented in the field of study they show an interest in pursuing.



Key Accomplishments To-Date



Client Testimonials

"The dedication the team has had to help my son has been amazing. They work so well with my son, finding different ways to help him understand the lesson. They also work closely with the families, to make sure everyone is on the right path. I cannot say enough good things about these group of people. They are selfless, awe-inspiring, and fun to work with!"

- A parent of a high school student

"It was way more engaging than I expected it to be. I really connected with my tutor. He did a great job in explaining all the material, but at the same time, building a connection with me that really helped me develop my math skills, and not feel that I'm working on something that I don't like."

- One of our 12th grade students

"I love how willing she is, consistently for a few years now, to do these math sessions twice a week. She must really enjoy it!"

- A parent of a YDM student, who met YDM in 2021, at which time she did NOT want math tutoring at all. (After a few months, she started requesting extra sessions.)

"I like how my tutor is very patient and thorough so I am able to work through things at my own pace. I am able to understand things better."

- One of our 10th grade students

*"We have been blessed to have met all the great people at YDM. Due to COVID and other health issues, my son was struggling to capture the essence of Math. But with their help, he is now more confident in his ability to answer math questions, to the point where **it has become his favorite subject**. I will be forever thankful to everyone at You Discover Math."*

- A parent of an elementary school student

"I want to stay with my tutor for the next 3 million years or infinity, whichever comes first."

- One of our elementary school students, when his mom asked if he wants to continue tutoring with You Discover Math

Financial Reports

Statement of Activities

	Jan22-Dec22	Jan23-Jun23	Jul23-Jun24
Revenue			
General public donations	300.00	200.00	948.00
Donations from private foundations	0.00	0.00	11500.00
Donations from directors or related parties	250.00	3250.00	5250.00
<i>Subtotal: Contributions, gifts, grants</i>	<i>550.00</i>	<i>3450.00</i>	<i>17698.00</i>
Program volunteer hours	365	97	206
Equivalent fair market \$/h rate for program volunteer hours	30.00	30.00	30.00
Fair market equivalent value of program volunteer hours	10950.00	2910.00	6180.00
Total revenue excluding in-kind service donations	3100.00	3450.00	17698.00
Total revenue including in-kind service donations	14050.00	6360.00	23878.00
Expenses			
Printing, publications, postage, and shipping	0.00	0.00	69.19
Background check service expenses	56.00	240.08	264.00
Software licenses	760.01	583.49	998.26
Website hosting expenses	33.56	0.00	174.25
Outreach, networking, volunteer appreciation expenses	0.00	0.00	76.99
Leadership development (youth / programs)	0.00	0.00	75.00
Legal consulting expenses	0.00	0.00	496.00
Registered agent service and IRS filing expenses	0.00	0.00	108.82
Insurance	0.00	1998.00	1610.41
Bank and e-transaction processing fees	78.65	0.00	16.03
Fair market equivalent value of program volunteer hours	10950.00	2910.00	6180.00
Total expenses excluding in-kind service donations	928.22	2821.57	3888.95
Fair market equivalent value of program volunteer hours	10950.00	2910.00	6180.00
Total expenses including in-kind service donations	11878.22	5731.57	10068.95
Overall			
Change in net assets during period	2171.78	628.43	13809.05
Net assets start of period	3040.00	5211.78	5840.21
Net assets end of period	5211.78	5840.21	19649.26

Statement of Functional Expenses

	Jan22-Dec22	Jan23-Jun23	Jul23-Jun24
Functional expenses			
Program expenses	11690.01	4926.19	7938.11
General expenses	109.56	805.39	2020.76
Fundraising expenses	78.65	0.00	110.08
Total expenses	11878.22	5731.57	10068.95
Program expenses (%)	98.4%	85.9%	78.8%
General expenses (%)	0.9%	14.1%	20.1%
Fundraising expenses (%)	0.7%	0.0%	1.1%

Last year, our fiscal year start date was changed from Jan 1 to July 1, to better align our planning with typical academic seasons.

We are grateful to have received support from Shell USA Company Foundation. Starting in September 2023, Shell Foundation began matching donations from one of our directors. This helped YDM significantly increase our revenue in our prior fiscal year, and helped us become prepared to offer part-time jobs to youth employees.

Our revenue and expenses from in-kind service donations represent the more than 700 hours contributed by our 13 different volunteer tutors and academic coaches. We make a conservative estimate of the dollar value for our program volunteer time, based on comparisons to national statistics from the [Nonprofit Leadership Center](#) and to the costs of similar for-profit services.

Outlook for You Discover Math

Often, people believe the future is beyond their control.

In reality, we're shaping it right now!

As adults, our actions can nurture the leaders of tomorrow. We should ask ourselves: are we ensuring they have everything they need? **By providing students with the resources to level the playing field and reduce opportunity gaps, we can help ensure a brighter future for all.**

You Discover Math will continue offering virtual tutoring sessions for free or by donation. Our commitment to accessible education ensures that our students, regardless of their financial situation, can receive the support they need to succeed in math. By providing these services, we aim to empower learners and help them build confidence in their abilities. We encourage community members to contribute financially if they can, as every donation helps sustain and expand our programs.

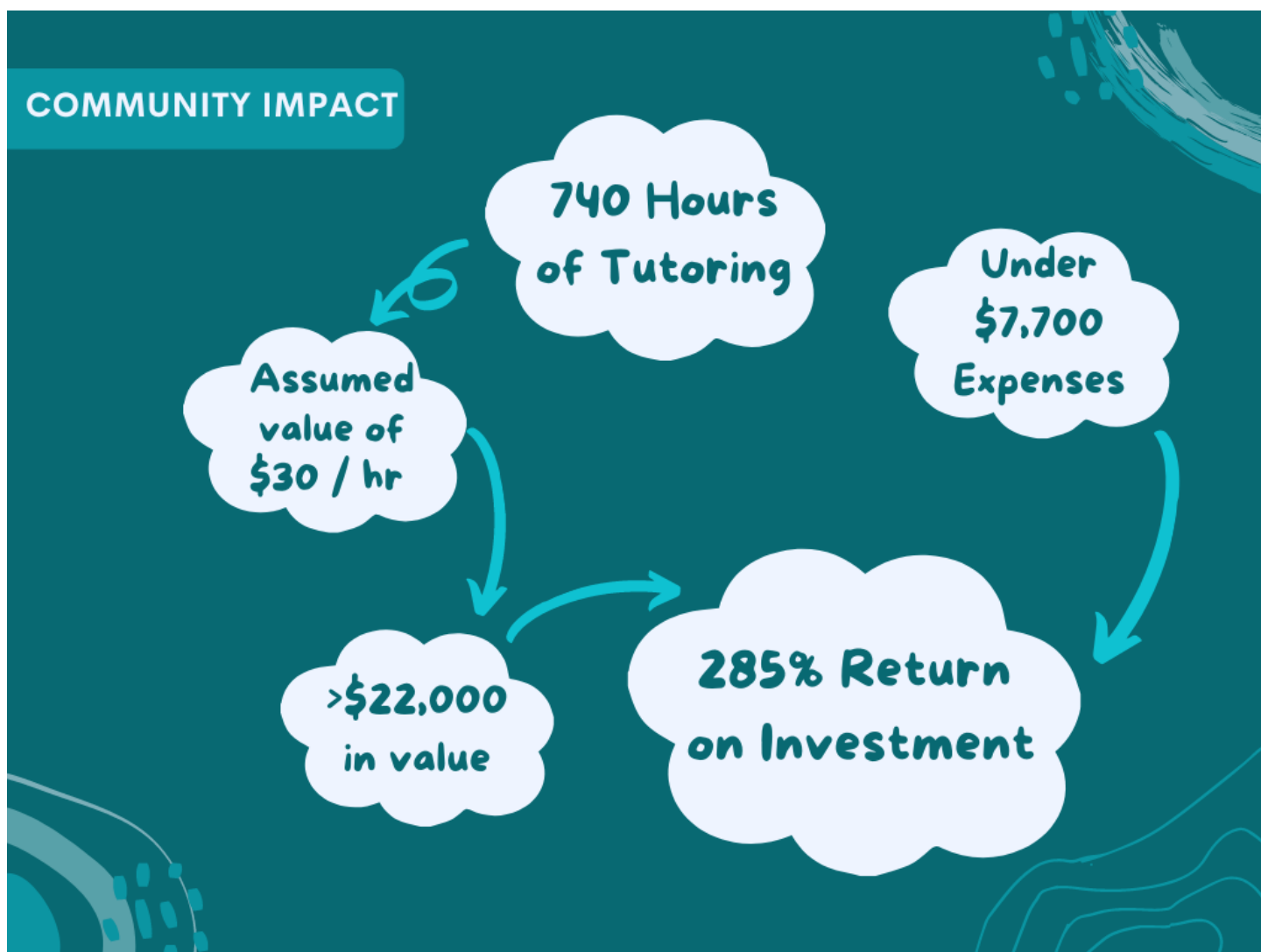
We are also excited to announce that we are starting to hire youth, particularly from low-income and economically disadvantaged communities, as part-time employees to help run our organization and programs alongside adult mentors. This initiative will help youth develop valuable professional skills—such as teamwork, communication, and leadership—that will benefit their future careers. Young people, including youth part-time employees, will play a huge role in helping design, test, and implement the next programs You Discover Math is assessing—such as in-person community math engagement activities for all ages, mathematics of personal finance seminars—as well as partnerships with other nonprofits that share our values.

By supporting YDM, you can help us provide more engaging math learning opportunities for more students, empowering them to recognize their potential in any field or profession they aspire to. Together, we can help cultivate the next generation of leaders and professionals.

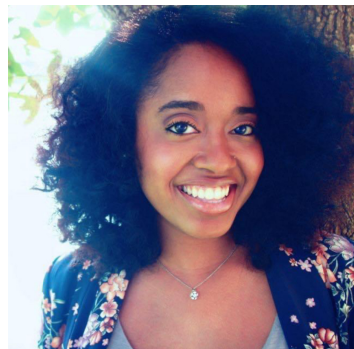
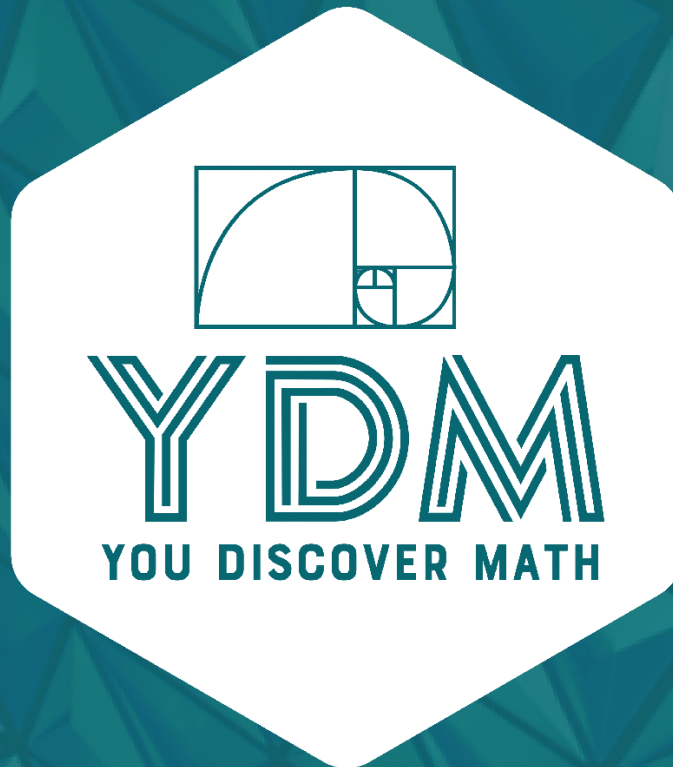
How to Support You Discover Math

First, we'd like to thank everyone who has supported YDM to date! You are the reason we have gotten this far, and we appreciate every contribution.

We'd like to illustrate our community return of your investments:



Be sure to visit our page often— <https://www.youdiscovermath.org/support/> —and find out how you can support You Discover Math in our current and future endeavors. Lastly, every contribution, no matter the size, helps us amplify our impact and further our cause. Thank you for your ongoing support!



You Discover Math Inc. is a 501(c)(3) non-profit corporation organized in the state of Texas, USA.

www.youdiscovermath.org