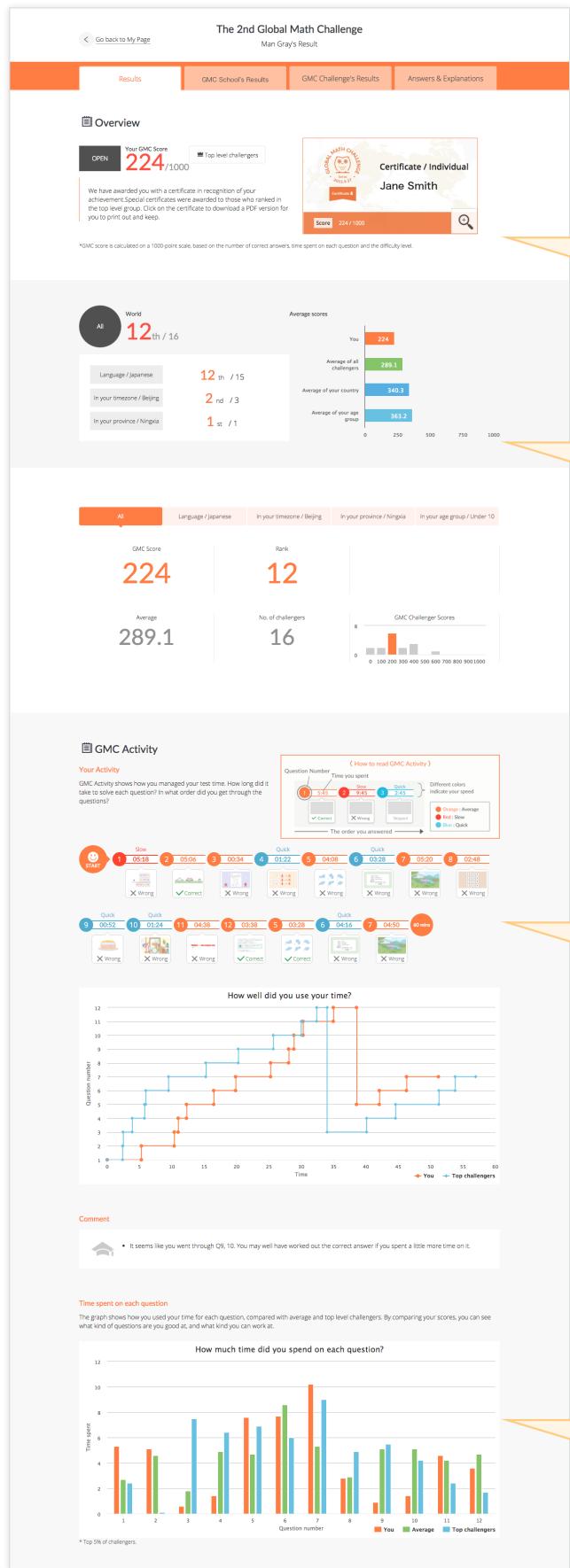


# Results Screen

In Global Math Challenge, you can check out detailed analyses of your answers as well as your score and world rank. This data can help you figure out what you excel at and where weaknesses may lie.

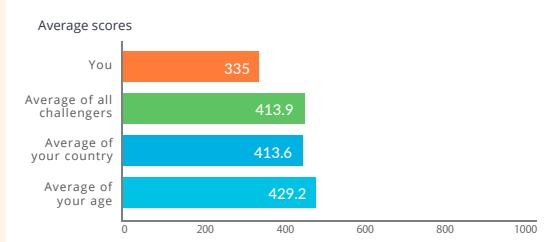


## ● Overview and Certificate



GMC scores are statistically calculated on a 1000-point scale, based on the number of correct answers, time spent on each question and the difficulty levels. Challengers who get a high score receive a special printable certificate.

## ● World Ranking



Not only can you check out the world ranking, but also the rankings and average scores compiled by country, state, and age group. By comparing with other challengers, you can see how your entrants stand in their city, country, and around the world.

## ● GMC Activity



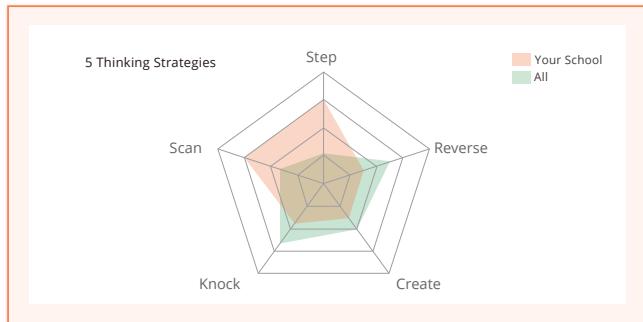
GMC Activity shows how you managed your test time. Visualizing your activity and comparing it with other challengers, you can objectively look back and reflect on your control of the time during the contest.

## ● Time spent on each question



You can see how the time you spent for each question compared with other challengers. Based on the data we collected, we offer each challenger advice for using the test time more efficiently.

# 5 Thinking Strategies



Global Math Challenge classifies entrant's thinking process into 5 thinking strategies. Each question in GMC uses one or more of these strategies to arrive at a successful answer.

Once the contest is complete, you can see what strategies challengers tend to take in a graphical analysis, and get with practical advice on how to improve their critical thinking.

## Answers & Explanations

No.2 Sisters

Mary and Ashley are two sisters.

5 Thinking Strategies

Scan Step Reverse Create Knock

Ashley is my big sister.  
Mary is my little sister.

Mary Ashley

One of them is lying.  
The other may be lying, maybe not.  
Who is older, Mary or Ashley?

Select one

1 Mary 2 Ashley

See the explanation

Question

One of them is lying.  
The other may be lying, maybe not.

Both of them are telling the truth.  
Ashley is the big sister, while Mary is the little sister. Ashley is older than Mary.

Are they telling the truth or are they lying?

Question

One of them is lying.  
The other may be lying, maybe not.

Both of them are telling the truth.  
At least one of them is telling the truth.

That means...

Ashley is the big sister, while Mary is the little sister\*...this is NOT true.

Result

As we know,  
Ashley is NOT the big sister, while Mary is NOT the little sister.  
In other words,  
Mary is the big sister, while Ashley is the little sister\*; Mary is older than Ashley.

The answer: Mary

Double-check: Are both of them really telling a lie?

Ashley is my big sister.  
Mary is my little sister.

If this is a lie

Big sister Little sister  
Mary Ashley

Mary is my little sister.  
Ashley

If this is a lie

Big sister Little sister  
Mary Ashley

Both of them are saying the same thing

\*Mary is the big sister, while Ashley is the little sister\*

How did other challengers answer?

Let's check what percentage of entrants answered this question correctly.  
The pie chart shows the percentage of answers given by all challengers. Where does your answer belong?

Your answer	Correct answer	Percentage correct (worldwide)
✓ Mary	Mary	40.0%

Answer distribution

Was the most common wrong answer?

Time spent

00:14

You Average Top challengers

00:00 00:30 01:00 01:30 02:00 02:30 03:00

You will receive the GMC Review that explains every question from the test, filled with beautiful illustrations.

### GMC Review

Question

Ashley is my big sister.  
Mary is my little sister.

Mary Ashley

If both of them are telling the truth,  
Ashley is the big sister, while Mary is the little sister; Ashley is older than Mary.

Are they telling the truth or are they lying?

Question

One of them is lying.  
The other may be lying, maybe not.

All questions come complete with easy to understand, step by step explanations so that even young children can review answers by themselves. Everyone can walk away with a new found confidence in their math skills.

### Question levels

#### How did other challengers answer?

Let's check what percentage of entrants answered this question correctly.  
The pie chart shows the percentage of answers given by all challengers.  
Where does your answer belong?

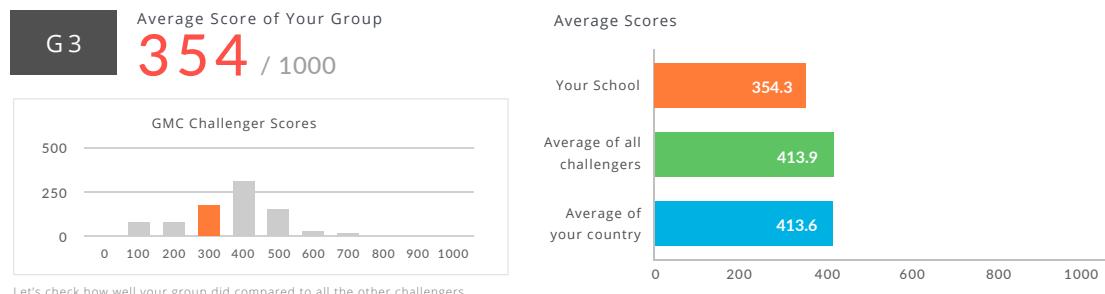
Your answer	Correct answer	Percentage correct (worldwide)	Answer distribution
X	Mary	47.9%	

For each question, we calculate the percentage of correct answers. If you found a particular question really tough, there's a good chance many others did too. Find out with Global Math Challenge.

# School Ranking and Analysis

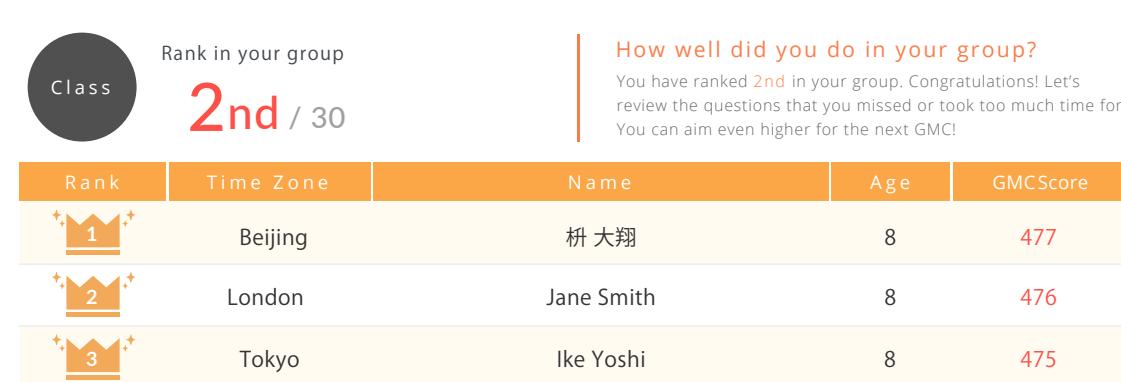
You can take part in Global Math Challenge not only with your friends and family but also with your school. If you take part in GMC for Schools, we also provide an analysis of your class and school including rankings and average and top scores.

## Average scores



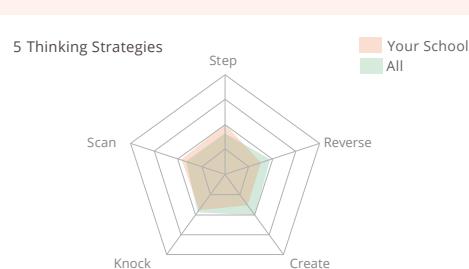
We calculate average scores of your school, your country and all challengers. The easy to follow graphs and charts help you easily grasp how well your group did compare to other challengers.

## School rankings



You can see the top challenger rankings in your school, class and even globally.

## 5 Thinking Strategies



### Review your answers



What are the 5 Thinking Strategies?

It is important to not only review your answers but also to understand how you arrived at them. What thinking strategy do you tend to use? By looking at these 5 Thinking Strategies, you can see what kind of questions you excel at and where you may be able to make improvements.

We will provide you with an analysis based on 5 Thinking Strategies. Once the challenge is complete, you can see what strategies your students tend to take, and get with practical advice on how to improve their critical thinking.