

## The Young Scientists Series — Book 3: Magical Mathematics

List of Resources	Internet Resources
1. Understanding What We Read 1	- Story about Bhaskara <a href="https://www.youtube.com/watch?v=ALgggo3H_gI">https://www.youtube.com/watch?v=ALgggo3H_gI</a>
2. Understanding What We Read 2	- Story about Gauss solving math problem without working <a href="https://www.youtube.com/watch?v=JG-yPNIXdbQ">https://www.youtube.com/watch?v=JG-yPNIXdbQ</a>
3. Let's Learn New Words	- Maria Agnesi <a href="https://www.youtube.com/watch?v=vzu4q-LFuQE">https://www.youtube.com/watch?v=vzu4q-LFuQE</a>
4. Close Reading Skills	
5. Fun with Art!	
6. Answer Key	

### 1. Reading for Understanding (The Girl, The Pearl and the Not-So-Sad Story)

This activity is set based on the latest comprehension format. It serves as a practice for their comprehension open-ended skills.

### 2. Reading for Understanding 2

In this activity, students are to read the story "The Boy with No Birthday" again. They are required to write a short summary of the story

### 3. Responding to Text

In this exercise, students are to imagine that they are in the late 1800s. They are to write a letter of appeal on why women are just as good as men based on the story "The Math Girl Who Stunned the World"

### 4. Close Reading Skills

In this exercise, students will practice their close reading skills. You may want to encourage them to look for contextual clues in the text.

### 5. Fun with Art

To sum up all the activities, students are to draw the "aversiera" curve.

In this activity read the story “The Girl, the Pearl and the Not-so-sad Story” and answer the following questions.

1. Which word in Page 2 tells us that the rulers would listen to what Bhaskara had to say? [1m]

2. What did Bhaskara and Lilavati spend their time doing? [2m]

---



---

3. Why was the “Lilavati” book different from a textbook? [2m]

---



---

4. From the story, tick  whether the statements describe Bhaskara or Lilavati. The first example is done for you. [2m]

	Statement	Bhaskara	Lilavati
a.	Worked as a stargazer	<input checked="" type="checkbox"/>	
b.	Invented a machine that works as a clock		
c.	Is remembered for his/her love for mathematics.		

5. Which word has the same meaning as “lucky”? Circle (A) or (B). [1m]

Ancient ideas about “auspicious moments” suggested that there was  
(A)  
 one chance for her to change her destiny.  
(B)





Fill in the blanks with a suitable word.

Do you believe that the poor can also be successful? Well, Srinivasa Ramanujan was one of the testament to (1) \_\_\_\_\_ that it can happen. (2) \_\_\_\_\_ born in a poor family in India, Srinivasa was never given a chance at enjoying things in life. Most of the time, he did not (3) \_\_\_\_\_ have food to eat. However, Srinivasa was a gifted person. He was excellent in mathematics. Trying to look for a job, he was discovered by a tax collector (4) \_\_\_\_\_ advised him to write mathematics journal. This led him to be discovered by a professor at Cambridge University. Srinivasa was subsequently invited to Cambridge (5) \_\_\_\_\_ he was a part of the Royal Society. Unfortunately, he died at a young age. After his death, the Indian government declared his birthday as National Mathematics Day.

Read the story "The Good Witch Who Made an Amazing Decision".  
Maria discovered the "aversiera". Draw the aversiera curve in the space below.