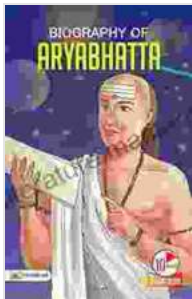


# Biography of Aryabhata: Inspirational Biographies for Children

Aryabhata was an ancient Indian mathematician and astronomer who lived between 476 and 550 CE. He is best known for his work on trigonometry and for his discovery of the heliocentric model of the Solar System.



## Biography of Aryabhata: Inspirational Biographies for Children

★★★★☆ 4 out of 5

Language : English  
File size : 616 KB  
Text-to-Speech : Enabled  
Screen Reader : Supported  
Enhanced typesetting : Enabled  
Word Wise : Enabled  
Print length : 17 pages



## Early Life and Education

Aryabhata was born in the village of Ashmaka, which is now in the state of Bihar, India. His father's name was Varaha Mihira and his mother's name was Susuma. Aryabhata showed an early interest in mathematics and astronomy, and he studied under the renowned mathematician and astronomer Latadeva.

## Work on Trigonometry

Aryabhata made significant contributions to the field of trigonometry. He developed a number of trigonometric formulas, including the sine and cosine functions. He also developed a method for solving trigonometric equations.

## **Discovery of the Heliocentric Model**

Aryabhata was one of the first scientists to propose the heliocentric model of the Solar System. This model states that the Sun is at the center of the Solar System and that the Earth and other planets revolve around it. Aryabhata's heliocentric model was a revolutionary idea at the time, and it was not until the 16th century that it was finally accepted by the scientific community.

## **Other Contributions**

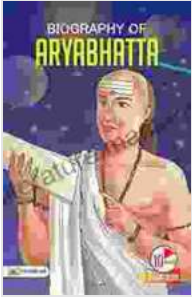
In addition to his work on trigonometry and astronomy, Aryabhata also made contributions to other fields, including algebra, geometry, and arithmetic. He developed a number of algebraic formulas, including the quadratic equation. He also developed a method for solving geometric problems.

## **Legacy**

Aryabhata is considered one of the greatest mathematicians and astronomers of ancient India. His work had a profound impact on the development of mathematics and astronomy in India and around the world. He is still revered today as one of the greatest minds in the history of science.

Aryabhata was a brilliant mathematician and astronomer who made significant contributions to the development of these fields. His work on

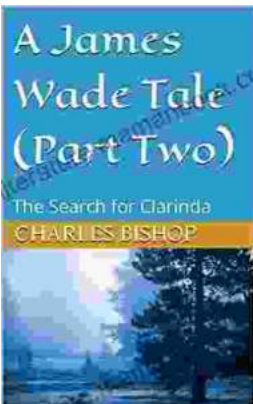
trigonometry and the heliocentric model of the Solar System were revolutionary ideas at the time, and they continue to be important today. Aryabhata is an inspiration to all young people who are interested in pursuing a career in science.



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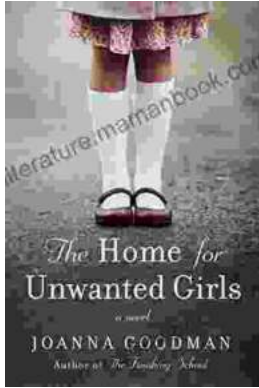
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