

While most students find it difficult to remember geometry theorems, M Rajeshwar, a class IX student from Asian Christian High School located in the outskirts of Bengaluru, has proposed a theorem on the median in an isosceles triangle. But what led him to propose a mathematical theorem at such a young age is a rather interesting story. Rajeshwar attended coaching classes for NEET and JEE exams where he met S Sivanantham, an Assistant Professor at Adhiyamaan College of Engineering. Unlike other students, Rajeshwar regularly questioned the tutors about various mathematical problems.

Speaking highly of his student, who has spared no efforts to prove the theorem geometrically and theoretically, Sivanantham says, "When I was teaching geometry theorems related to triangles one class, he asked me why there is no theorem to prove the properties of the median in an isosceles triangle and Rajeshwar challenged me saying that he'd come up with a theorem and prove it too. I

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Rashmi Patil speaks to child prodigy M Rajeshwar about his love for Math and the theorem he proposed

agreed and within a week's time, he explained the theorem geometrically with a diagram. He asked me for some more time to prove the theorem theoretically as well and he did that too."

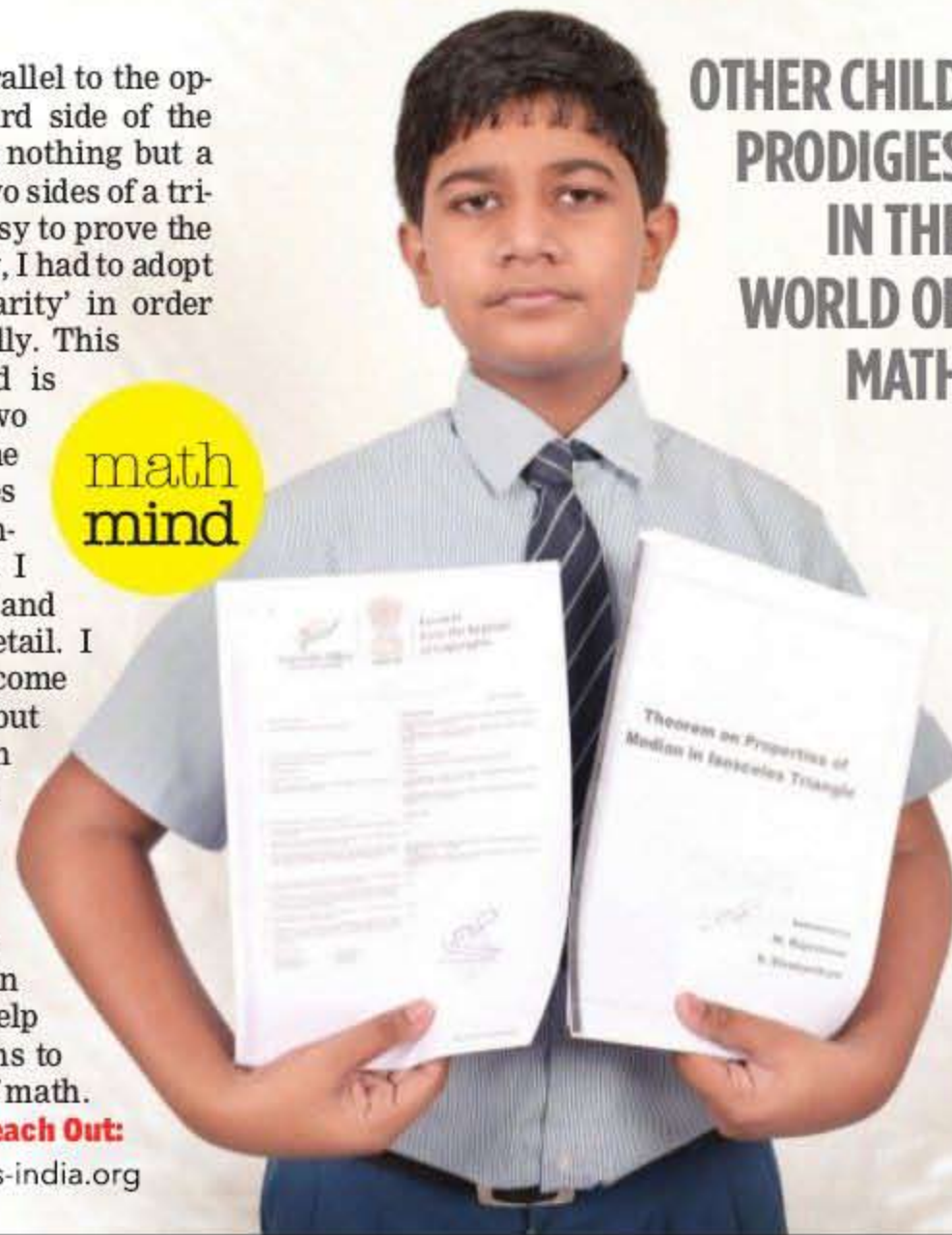
According to the theorem proposed by Rajeshwar, the median in an isosceles triangle divides the two sides in equal proportions. He also proved

that the median is parallel to the opposite side or the third side of the triangle. A median is nothing but a line connecting any two sides of a triangle "While it was easy to prove the theorem geometrically, I had to adopt the concept of 'Similarity' in order to prove it theoretically. This concept refers to and is used to verify if any two triangles have the same features. Such triangles are called twin triangles. Apart from this, I also studied triangles and their properties in detail. I did not have plans to come up with this theorem but it was just a question on medians which led me to propose it." says Rajeshwar who has got his theorem registered under the Copyrights Act in New Delhi with the help of his teacher. He plans to research in the field of math.

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