

Amritanilayam Stotras

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The diagram illustrates the iterative steps of the Euclidean algorithm for finding the GCD of 100 and 36. It uses a series of horizontal bars to represent the numbers and their remainders, with arrows indicating the sequence of divisions.

- Step 1:** 100 is divided by 36. The quotient is 2, and the remainder is 28. (100 = 36 * 2 + 28)
- Step 2:** 36 is divided by 28. The quotient is 1, and the remainder is 8. (36 = 28 * 1 + 8)
- Step 3:** 28 is divided by 8. The quotient is 3, and the remainder is 4. (28 = 8 * 3 + 4)
- Step 4:** 8 is divided by 4. The quotient is 2, and the remainder is 0. (8 = 4 * 2 + 0)

Since the remainder is 0, the GCD is 4.

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Sri Amritananda Natha Guruvu Garu, Amrita Nilayam, Gowravaram Village & Post, Kavali Mandal, Nellore District, Andhra Pradesh.
Phone Number: +91 9493475515 | www.amritanilayam.org