

Unraveling the Mysteries of Prime Numbers: A Mathematical Journey

Prime numbers, those enigmatic integers divisible only by themselves and one, have fascinated mathematicians for centuries. Their distribution seems random, yet patterns emerge upon closer examination. Mathematicians tirelessly explore their properties, seeking deeper insights into their behaviour and distribution. From the ancient Greeks to modern number theorists, the quest to understand primes has driven mathematical inquiry. Their significance extends beyond pure mathematics, finding applications in cryptography, computer science, and more. As we delve into the intricate world of prime numbers, we embark on a mathematical journey rich with intrigue and discovery.