



Tip Of the Week

How do we check if a number 'P' is prime, without having to list out all its factors?

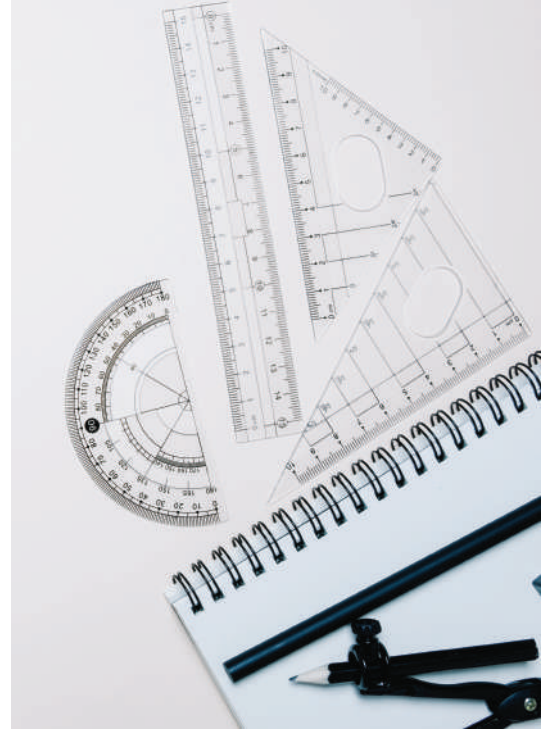
Solution:

- Find the square root of the number P and round it off to the next integer. Name it as n.
- Now, check for divisibility of the number P by all prime numbers below n. If there isn't any such number, then the number P will be prime.

For example:

The value of $\sqrt{173}$ lies between 13 and 14. Hence, we take the value of n as 14.

Prime numbers less than or equal to 14 are 2, 3, 5, 7, 11 and 13. 173 is not divisible by any of these. So, it is a prime number.



Designed by @Presh

Quiz

- The square root of $\{(0.75)^3 / (1-0.75)\} + [0.75 + 90.75)^2 + 1]$ is _____.
- By selling an article at $\frac{3}{4}$ th of the marked price, there is a gain of 25%. The ratio of the marked price and the cost price is _____.
- 1 kg of tea and 1 kg of sugar together cost Rs. 95. If the price of tea falls by 10% and that of sugar rises by 20% , the price of 1 kg each combined, comes to Rs. 90. The original price of tea in Rs. per kg is _____.
- Madhu got married 6 years ago. Today her age is $1\frac{1}{4}$ times her age at the time of marriage. Her son's age is $\frac{1}{10}$ her age. Her son's age is _____.
- If $x + \frac{1}{x} = 2$, then what is the value of $x^{64} + x^{121}$?
- If $a + b + c = 27$, then what is the value of $(a - 7)^3 + (b - 9)^3 + (c - 11)^3 - 3(a - 7)(b - 9)(c - 11)$?



DID YOU KNOW....

The Fibonacci Series is the sequence of the following numbers: 0, 1, 1, 2, 3, 5, 8, 13, 21, 34....

We start with 0 and 1. The next number is found by adding up the two numbers before it. We get 2 by adding the two numbers before it (1+1). We get 3 by adding the two numbers before it (1+2). Then 5 is (2+3) and so on...

So, the next number in the sequence above is $21 + 34 = 55$.

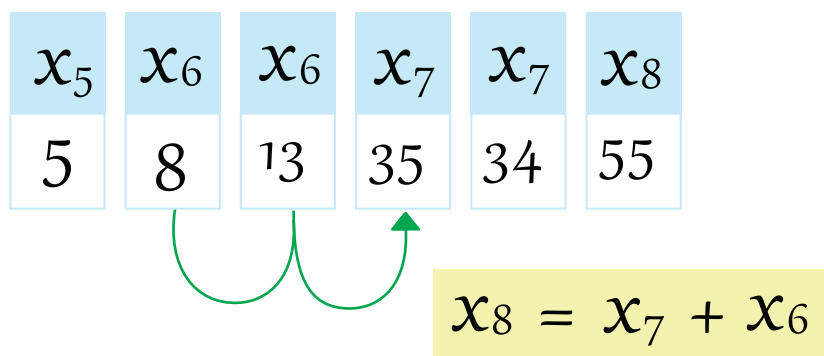
GENERAL TERM

The terms are numbered from 0 onwards like

n=	0	1	2	3	4	5	6	7	8
X _n =	0	1	1	2	3	5	8	13	21

Therefore, term number **6** is called **X₆** (which is equal to 8).

Example: the 8th term is the 7th term plus the 6th term: **X₈ = X₇ + X₆**



So we can write the general term as: **X_n = X_{n-1} + X_{n-2}**

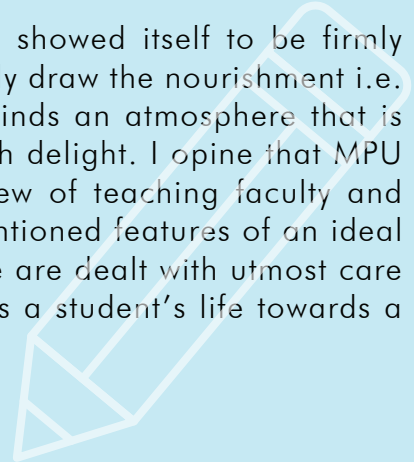
- X_n is term number "n"
- X_{n-1} is the term before X_n Where,
- X_{n-2} is the term before X_{n-1}

Student Testimonial



Swathi G. Moragodi
MIPUC

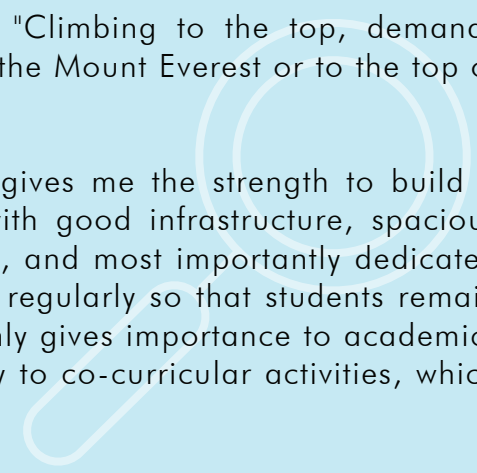
Education, by right of its power structure, showed itself to be firmly entrenched. In vivid ways, a student can only draw the nourishment i.e. knowledge from education when he/ she finds an atmosphere that is absolutely hospitable and fills him/ her with delight. I opine that MPU college has provided me with the best crew of teaching faculty and stands as an example for all the above mentioned features of an ideal college. All the ordeals, a student can face are dealt with utmost care and we are nurtured here well, which takes a student's life towards a bright future!



Bhavika H. Patel
2nd PUC, Commerce

As quoted by A.P.J Abdul Kalam, "Climbing to the top, demands strength, whether it is to the top of the Mount Everest or to the top of your career."

I proudly express that my college gives me the strength to build a successful career. It provides us with good infrastructure, spacious classrooms, good canteen facilities, and most importantly dedicated faculties. Here tests are conducted regularly so that students remain always focused. Our college not only gives importance to academics but also provides equal opportunity to co-curricular activities, which helps us to explore our talents.



Mrs. Bindu Abhijith
MIPUC

Education, Knowledge, Confidence

Education and knowledge are two sides of a coin. Education is a formal process of gaining knowledge whereas knowledge is informally acquired through experiences. "Education is learnt and knowledge is earned."

We MIPUCians help students to not just excel in academics but to face and excel in life's challenges. As famous saying goes, "Real education fetches you more than a job. It teaches you to live and build confidence."

Star Principal of the Month

"Learning gives creativity, Creativity leads to thinking, Thinking provides knowledge, Knowledge makes you great."- Abdul Kalam

When we talk about brilliance, we forget that it rests on creativity & innovation. Education is about imparting knowledge that would help the students develop artistic talent as well as positive & critical thinking.

My message to all is to use their voice for justice, open their ears for sincere knowledge, put their hands in benefit of a charity, and broaden their minds for truth & hearts for compassion.

As a school, our aim is to integrate modern civilization along with our traditional culture in young minds. We want our students to not only embrace the future but also have their values intact for tomorrow.



Sushma Ramakrishna

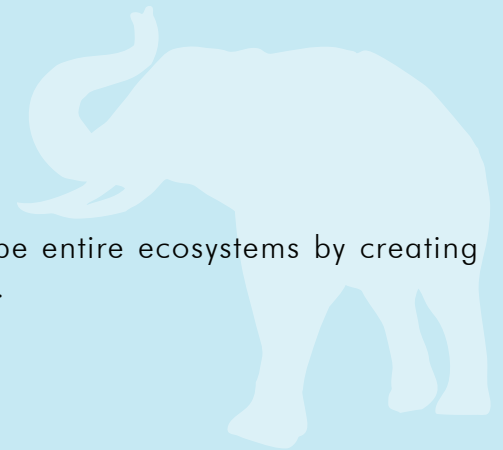
-Principal
BET Convent



FACT

Elephants are a keystone species

They create pathways through pathless underbrush, shape entire ecosystems by creating pools in dried river beds, and spread seed as they travel.



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