



# Xavier's Daily

## → Challenge yourself!

Which city is known as the winter capital of Maharashtra?

Answer : Nagpur

## → Spectrum's Corner

### Thought of the Day

"Keep your face to the sunshine and you cannot see a shadow."

- Helen Keller

### Word of the Day

*Penetralia* : the innermost parts of a building; a secret or hidden place.

Eg. He saw them darting out from the hidden penetralia around, moving swiftly across and sometimes darting in shoals before him.



## SCIENCE BEFORE INDUSTRIAL REVOLUTION!

Written and Designed by Ayush Singh

[Students' Council]

It was written in Hanuman Chalisa, "Yug Sahasra Yojana Par Bhanu, Leelyo taahi Madhura Phal jaanu". It does mean that Hanuman has travelled a far distance such as Yug x Sahasra x Yojana to meet Bhanu, the sun thinking it to be a sweet fruit. Now, the terms Yug, Sahasra, Yojana are the words which determine the distance Hanuman has traveled to meet the Sun. The ancient Indian scriptures have given names to distances, weights, and numbers up to a huge extent that the modern day people can never imagine.

According to ancient calculations, as mentioned in Hanuman Chalisa,

1 Yug = 12,000 years

1 Sahasra = 1,000

1 Yojana = 8 Miles

Yug x Sahasra x Yojana = 12,000 x 1,000 x 8 miles = 96,000,000 miles

Where 1 mile = 1.6 Kilometers

96,000,000 miles x 1.6 kilometers =  
153,600,000 Kilometers to Sun.

This is exactly the distance calculated by NASA to reach Sun from the Earth. It is really incredible to know that ancient Indians were so talented to calculate the distance between Earth and Sun without any kind of modern-day instruments or calculators.

This also indicates that the event of ramayana was true



### DID YOU KNOW?

Ramayana took place during a time which was known as 'Treta Yuga'.