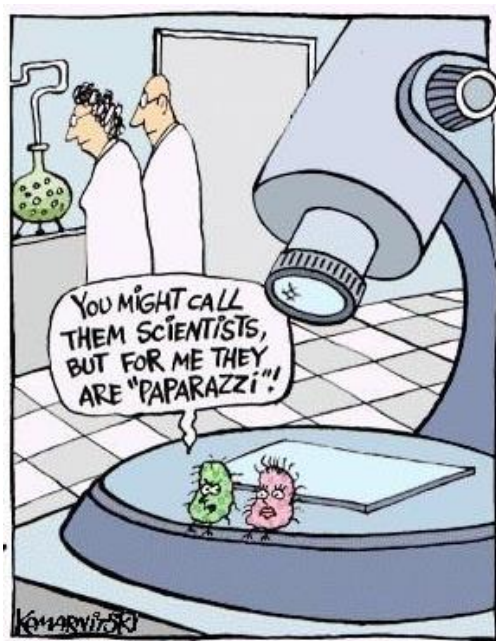


GYAN BHARATI SCHOOL

QUEST.....

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COMPILED BY: Mrs. Anjali Chhibber & Mr. Atul Kumar

IDENTIFY ME.....



- **I was born on January 01, 1952 in Calcutta.**
- **I completed my B.Sc., M.Sc. from Calcutta university and PhD from IISc Bangalore in 1978.**
- **I am now the Director General, Council of Scientific and Industrial Research (CSIR), and Secretary to GOI, Department of Scientific and Industrial Research.**
- **I spearheaded the Indian Genome Variation project that explores human genome variation in multi-ethnic, multi-lingual populations of India to develop a national resource: the genetic profile of the people of India resulting in Indian Genome Variation database, a database of over 1000 genes related to disease and drug response.**
- **I was the first to market novel, globally competitive bioinformatics software products from CSIR.**
- **I was elected Member of the Human Genome Organization (1991) and HUGO Council (2004); Member, Expert Group on Human Rights and Biotechnology, United Nations; Council Member, FAOBMB (since 1997); Member, Indo-European Commission S&T Steering Committee; Member, Advisory Board of the Archon-X-Prize in Genomics and Chair, HUGO's 13th Human Genome Meeting (2008), Hyderabad.**
- **I have received a number of awards and honours that include: INSA Medal for Young Scientists (1979); Kani Medal (1981); SS Bhatnagar Award (1990); Millennium Medal (2000); Professor PK Bose Memorial Award (2004); ICMR's Dr BR Ambedkar Centenary Award (2005); Vasvik Award (2005); Dr RA Mashelkar Medal (2007); Jagadish Chandra Bose Medal of INSA (2007); 6th Biospectrum Person of the Year (2008); IISc Distinguished Alumnus Award (2008).**

Benefits Of Eating Fruit

Kiwis help
Increase
bone mass



Bananas help
athlete's remain
focused and
motivated



Pineapples
help fight
arthritis



Oranges
promote great
skin and vision



Watermelon
helps control
heart rate

Apples build
resistance
against
infections



Blueberries
protect
your
heart



Cherries help
calm the
nervous
system

Grapes
relax
blood
vessels



Blackberries
assist in the
production of white
and red blood cells



Strawberries
fight against
cancer and aging



Mangos
boost
the body's ability to
fight against cancer

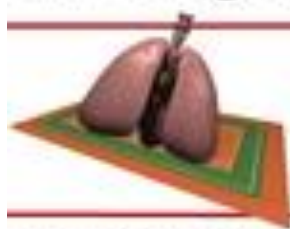


AMAZING HUMAN BODY FACTS

Human Bones are
ounce for ounce,
stronger than steel



Your heart pumps about
2,000 gallons of blood
in a day



THE SURFACE AREA OF A HUMAN LUNG
IS EQUAL TO THAT OF A TENNIS COURT

IT'S IMPOSSIBLE TO
SNEEZE WITH
YOUR
EYES OPEN



ACID IN YOUR STOMACH
IS STRONG ENOUGH TO
DISSOLVE RAZORBLADES



Every drop of blood you have is filtered by
your body over 300 times a day



We are about
70% water



HUMANS SHED AND REGROW
OUTER SKIN CELLS
ABOUT EVERY 27 DAYS



Nerve impulses from the brain
travel up to 110 miles per hour



FOR EVERY POUND OF FAT GAINED,
YOU ADD SEVEN MILES OF NEW BLOOD VESSELS



Why do we have Leap Years and where did they come from?

We need **Leap Years** to keep our calendar in alignment with the Earth revolving around the Sun.

A year is **365 days long** and without a Leap Year every four years, we would lose almost **six hours** from our calendar.

Without Leap Days, we would lose **24 days** after 100 years

Ancient writers attributed the 10-month Roman calendar to the mythical Romulus

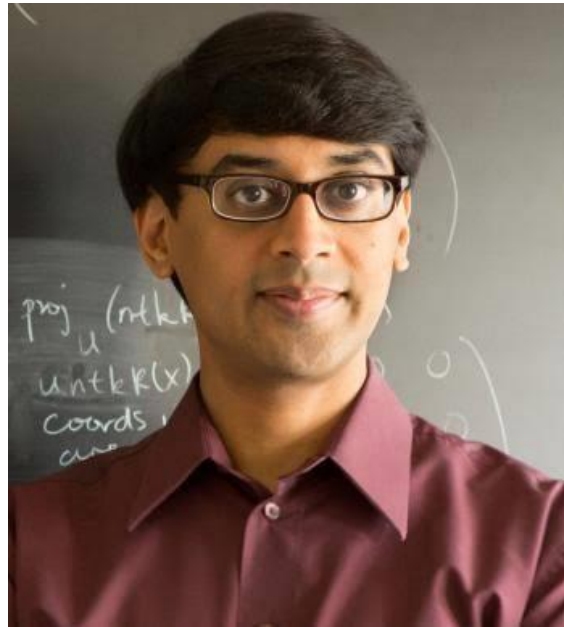
The Roman king Numa Pompilius is credited with adding January and February to the 10-month early Roman calendar

In 46 BC, Julius Caesar created the Julian calendar that allowed for a leap year every four years

10 FACTS ABOUT LEAP DAY

1. 2016 IS A LEAP YEAR WITH 366 DAYS INSTEAD OF 365.
2. PEOPLE BORN ON FEBRUARY 29TH ARE CALLED "LEAPERS" OR "LEAPLINGS".
3. THERE IS A ONE IN 1,461 CHANCE OF BEING BORN ON A LEAP DAY.
4. YEARS THAT ARE DIVISIBLE BY 100, BUT NOT BY 400, DO NOT CONTAIN A LEAP DAY.
5. JULIUS CAESAR ORDERED THE CALENDAR TO BE SIMPLIFIED BUT IT WAS POP GREGORY XIII WHO FIRST COINED THE PHRASE 'LEAP YEAR'.
6. A NOTORIOUS DAY FOR WOMEN PROPOSING! THIS WAS THANKS TO ST BRIDGET, WHO COMPLAINED TO ST PATRICK THAT WOMEN HAD TO WAIT TOO LONG FOR SUITORS TO PROPOSE! OTHERS BELIEVE IT ORIGINATES FROM SCOTLAND, WHERE QUEEN MARGARET DECLARED IN 1288 THAT A WOMAN COULD PROPOSE TO A MAN.
7. THE GREEKS NEVER PROPOSE ON A LEAP YEAR AS THEY BELIEVE IT IS BAD LUCK!
8. THE FROG IS A SYMBOL ASSOCIATED WITH FEBRUARY 29. THE AUSTRALIAN ROCKET FROG CAN LEAP OVER TWO METRES!
9. SCOTTISH FARMERS BELIEVE LEAP YEARS ARE NOT GOOD FOR FARMING AND LIVE STOCK, PARTLY DUE TO THE OLD PROVERB: "LEAP YEAR WAS NE'ER A GOOD YEAR"
10. WAGES AREN'T USUALLY CALCULATED TO ACCOUNT FOR THE EXTRA DAY SO MANY WILL WORK A DAY FOR FREE!

MANJUL BHARGAVA



- ♣ **Manjul Bhargava** was born on 8th August 1974 in an Indian family settled in Canada but was brought up in New York, USA.
- ♣ He is the R. Brandon Fradd Professor of Mathematics at Princeton University, the Stieltjes Professor of Number Theory at Leiden university, and also holds Adjunct professorships at the Tata Institute of Fundamental Research, the Indian Institute of Technology Bombay and the University of Hyderabad.
- ♣ He is known primarily for his contribution to Number Theory.
- ♣ Bhargava was awarded the Fields Medal in 2014. According to the International Mathematical Union citation, he was awarded the prize “for developing powerful new methods in the geometry of numbers which he applied to count rings of small rank and to bound the average rank of elliptic curves”
- ♣ **Awards: Fellow of the Royal Society (2019); Padma Bhushan; Fields Medal (2014); Infosys Prize (2012); Fermat Prize (2011); Cole Prize (2008); Clay Research Award (2005); SASTRA Ramanujan Prize (2005); Blumenthal Award (2005)**

BRAIN TEASERS

- 1. A palm tree was 90 cm high, when it was planted. It grows by an equal number of cms each year, and at the end of the 7th year it was ninth taller than at the end of the sixth year. Can you tell how tall was the tree at the end of the twelfth year?**
- 2. What is a Cardioid?**
- 3. What is special about this number 1729?**
- 4. Write $1/81$ as a repeating decimal. You're in for a surprise.**
- 5. 1, 2, 3, 4, 5, 6, 7, 8, 9. Here are 9 digits. Can you arrange the nine digits in order from left to right and '+' or '-' signs only so as to produce a result of 100?**
- 6. Only two rectangles have same dimensions that are integers and their areas and perimeter equal the same number. Can you find both?**
- 7. The egg vendor calls on his first customer and sells half his eggs and half an egg. To the second customer he sells half of what he had left and half an egg, and to the third customer he sells half of what he had then left and half an egg. By the way he did not break any eggs. In the end three eggs were remaining. How many did he start out with.**
- 8. Here is a logical pattern : O, T, T, F, F, S, S, E, N. What are the next nine letters?**
- 9. Manju has 16 pairs of white socks and 16 pairs of brown socks. He keeps them all in the same drawer. If he picks out three socks at random what is the probability she will get a matching pair?**
- 10. $153 = 13 + 53 + 33$. Can you find some other three digit numbers like this?**

Answers to Brain Teasers:

1. 450 cms.

2. Cardioid is a curve shaped like a heart.

3. $103 + 93 = 1729$, $123 + 13 = 1729$

4. 0.0123456789.....

5. $123 - 45 - 67 + 89$

6. $L \cdot W = 2(L + W)$

$L = 2W/W - 2$

$W - 2 = 1$ OR $W - 2 = 2$

$W = 3$ OR $W = 4$

7. 31 eggs

8. T, E, T, T, F, F, S, S, E. First letter of consecutive whole number names

9. $p = 1$, she is certain to get a pair.

10. 370, 371, 407

**Answer to Identify Me - Dr. Samir Kumar
Brahmachari**