

**Sri – Om**  
**VEDIC MATHEMATICS AWARENESS YEAR**

E-Newsletter Issue no 81 dated 09-01-2015

For previous issues and further more information visit at [www.vedicganita.org](http://www.vedicganita.org)

*'Credit goes to Swami Bharti Krshna Tirtha Ji Maharaj to focus the attention of present generation about the values of Ganita Sutras (mental Mathematics Sutras)'*

*All are invited to join Awareness program*

*All are warmly invited to join the awareness program of Vedic Mathematics. All teachers, parents and students are invited to Learn and Teach Vedic Mathematics for proper intelligence growth at School.*

Dr. S. K. Kapoor  
 Sh. Rakesh Bhatia  
 Sh. Bhim Sein Khanna  
 Sh. Deepak Girdhar  
 - Organizers

**VMS & T Text books**  
**(Classes 9, 10, 11 & 12)**

**Outline of**  
**Text Book Class X**

**4-space**

Lesson – 1 Lord Brahma

Lesson – 2 Lotus

**Lesson - 2**  
**Real 4-space**

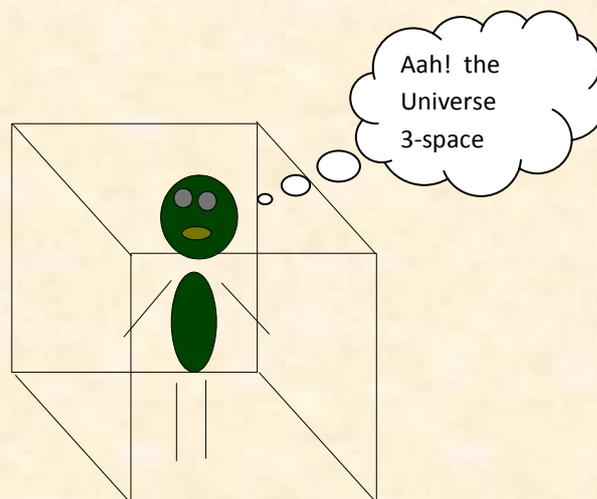
1. The space around us is real 4-space.
2. We exist in real 4-space.
3. Real 4-space permits motion of 3-space bodies.
4. One feature of transition from 3-space to 4-space is that 3-space bodies are in static state in 3-space while 3-space bodies acquire a degree of freedom of motion in 4-space.
5. Let us construct a three dimensional frame of three linear axes at any point of a space.
6. The origin of this three dimensional space, as such is a seat of 4-space.
7. Three dimensional space cuts the space framed in terms of it into 8 octants.
8. Parallel to it is the split of cube into 8 sub cubes.
9. This split of cube into 8 sub cubes is in reference to a three dimensional frame, with origin at center of the cube with it, center of cube becomes a seat of 4-space.
10. The inner most corners of 8 sub cubes gets super imposed upon center of the cube.

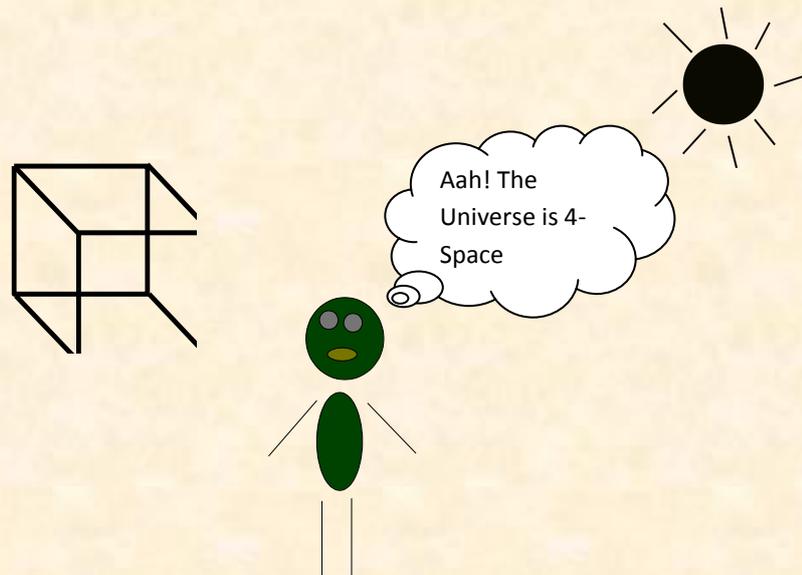
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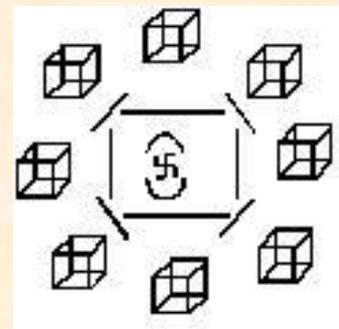
11. Likewise the collapse of 8 corner points of the cube at center of the cube makes this collapse at seat of 4-space.
12. In each corner of the cube is embedded a three dimensional frame of half dimensions with orientations for the dimensions being inward.
13. This feature of embedding of 8 three dimensional frames of half dimensions in 8 corners of the cube, at the event of collapse of 8 corner points at center of the cube make the setting for said 8 three dimensional frame as a set up of four three dimensional frames of full dimensions.
14. One may have a pause here and have a fresh visit to the features of this happening and emerging re-setting and organization of 8 three dimensional frames into a set of four three dimensional frames of half dimensions.
15. One may further have a pause here and take note that \
  - i. the split of cube into 8 sub cubes, that way brings to focus
  - ii. the setting of three dimensional frames of half dimensions into inner most 8 corner points of 8 sub cubes
  - iii. being a features of re-split for four three dimensional frames of full dimensions available at center of cube into 8 three dimensional frames of half dimensions of inward orientation (i.e. towards the volume / domain parts of 8 sub cubes)
16. One shall again have a pause here and have a fresh visit to above Phenomenon.
17. It would bring to focus that 8 corner points of the cube get coordinated in terms of four inner diagonals passing through center of the cube.
18. Further as that the translation of three dimensional frames of half dimensions at end / corner points of a diagonal, with reach at middle of the diagonal / center of the cube amount to a state of synthesis format for the said pair of three dimensional frames of half dimensions into a three dimensional frame of full dimensions.
19. This synthesis, as such brings to focus a feature which deserve to be comprehended well for its complete appreciation and imbibing to have insight about the set up of four dimensional frame of four spatial dimensions settled as four padas / quarters of Swastik by the Vedic Systems.
20. One may again have a pause here and revisit these features of split and re-synthesis of a three dimensional frame into a pair of three dimensional frames of half dimensions and also the pair of three dimensional frames of half dimensions re-synthesizes a three dimensional frame of full dimensions.
21. The emergence of a four dimensional frame and center of cube / origin of 3-space / seat of 4-space of four dimensional frame of four spatial dimensions synthesizing as four padas / quarters of Swastik, deserve to be comprehended well for its proper imbibing.
22. One may again have a pause here and chase internal, square, cube and split of cube into 8 sub cubes with inner most corners of 8 sub cubes having a seat at center of cube as origin of 4-space being the seat of 4-space.
23. This chase is going to be of four steps.
24. First three steps chase is going to be along the formats of interval, square and cube.

25. Interval as a pair of end points, square has four boundary lines and cube has six surface plates.
26. The artifices triple (2, 4, 6) in its sequential organization leads at next step as of value 8.
27. This is going to be parallel to the availability of 8 sub cubes / 8 solid boundary components for the seat of 4-space / 4-space body (hyper cube 4).
28. With it, interval, square, cube and hyper cube 4 as a set up of hyper cubes 1, 2, 3 and 4 accept common formulation  $A^n : 2^n B^{n-1}$ ,  $n = 1, 2, 3, 4$ , being the formulation for domain boundary ratios of interval, square, cube and 4-space body (hyper cube 4).
29. As at every point of space around us there can be embedded a three dimensional frame with origin at point of space will make it easy to conclude that there are as many seats of 4-space (for origins of three dimensional frames), as many are the points of location within the space around us (4-space).
30. Likewise, the inner space of cube as well framed in terms of a three dimensional frame with origin at center of the cube and consequential split of cube into 8 sub cubes parallel to 8 octants and each octant and parallel to it each sub cube would further provide a reach at 8 sub sub cubes and process is to go ad-infinitum. Thereby, the space within cube as well can be approached in terms of infinite seats of 4-space.
31. One may have a pause here and take note the conditioning of inner space of cube is there because of the geometric envelope of cube (consisting of 8 corner points, 12 edges and 6 surfaces) settled by a three dimensional frame with origin at the center of the cube.
32. One may further have a pause here and take note that the above conditioning of inner space of cube results into mental states which makes look the inner space as only a non 4-space.
33. To dissolve this mental state one shall first sit in a room (of four walls, roof and floor would making it a room and then come out of the room and have a fresh look at the space around (oneself), as well as in reference to the cube, and to revisit one's mental state and to see as to how smoothly and gently, the previous mental state of being insight the room would gets dissolved into a mental state of outside the room being of 4-space.

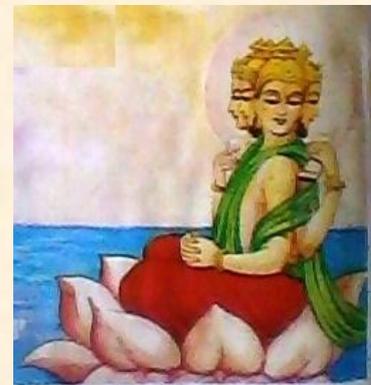




34. The real life Phenomenon of 'lotus' of eight petals as a seat of 4-space deserve to be chased and comprehended fully for its conceptual format and features being parallel to that of hyper cube 4 with 4-space` domain enveloped within a solid boundary of eight components.



35. Let us have a fresh look at the following symbolic / pictorial depictions of hyper cube 4 and Lord Brahma sitting grace fully at the lotus seat of 8 petals and to acquire insight about it.



## News & Information

### The Vedic Maths Forum India Blog

#### [CAT 2014 topper Neha Manglik says Vedic maths helped her score better!](#)

Posted: 29 Dec 2014 06:16 AM PST



Neha Manglik is the only woman among the 16 who scored 100 percentile in the Common Admission Test (CAT) 2014. The results were declared on December 28.

In an exclusive interview to *IndiaToday.in*, Neha says she is "a solution seeker" and she honed her skills in maths via lessons in ancient Vedic mathematics. Here are edited excerpts of her interview:

**Q. So how do you feel on being lone woman CAT topper this year?**

A. I'm happy and thrilled at scoring 100 percentile. But this did not happen suddenly. I have been preparing for this since I was a child. I am a solution seeker; I look for improvements. While preparing for CAT, I identified that my maths needs improvements and I require more speed in calculations. I decided to learn some easy ways, explored and discovered Vedic Mathematics. And it surely helped me to score better.

**Q. Did you take any coaching in Vedic maths?**

A. No. I searched online and looked for Vedic mathematics videos on YouTube and I practiced the tricks and methods for a week. And here I am with brilliant scores. Also, I took some shortcut workshops to improve my performance. I believe in finding solutions.

**Q. How did you score 100 percentile in English?**

A. Well, as I said, it does not happen in a day. I was consistent in getting a command over the language. I read and write a lot. I read novels and books. I

also write poems. This is how I practiced.

**Q. What is your dream in life?**

A. There are a lot of thoughts about my future and I definitely want a creative angle in whatever I choose to do, but what exactly I will do is not fixed. One thing I'm certain of is that I want to balance my work life with my family life. I will not compromise on family just to run after money or fame. Having said that, I always have and will continue to give my best to everything I do.

**Q. Can you share one of your poems with us?**

A. Yes, I will be glad to. Here you go -

***Sharing Inspiration***

*Do you feel helpless, depressed and sad?  
Like you're losing everything you ever had?  
If you need a motivational poem or quote  
Or a saying or a story that someone wrote  
Look within yourself, you will find  
A hundred stories of that kind  
Find motivation in whatever you see  
The mountain or the roadside tree  
The spider weaving a web from its spit  
The mark on hard earth as water droplets hit  
The ant trying hard to overcome that obstacle  
Everything around you is purely a miracle  
But a greater miracle is waiting within you  
Unleash yourself, see what you can do  
And never, ever wait for that inspirational quote  
You've read enough, it's time you wrote.*

Source: [India Today](#)

The Vedic Math Forum India Worlds Fastest Mental Math  
System <http://www.vedicmathsindia.org>

- Organizers