

Sri – Om
VEDIC MATHEMATICS AWARENESS YEAR

E-Newsletter Issue no 13 dated 20-10-2014

'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

ISSUE NO 13

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www.vedicganita.org

**Intelligence Growth
Third phase**

Unit, length and infinity of points

Recapitulation

1. First phase of intelligence growth avails (i) as arithmetic value (ii) phase second of intelligence growth avails values '0' as algebraic entity.
2. The present third phase of intelligence growth avails format of unit length as infinity of points.

Third phase

3. Young minds shall be very gently expose to value '1' as unit length and value "0" as single point.
4. Further unit length shall be chased as a set of infinity number of points.
5. It would be a static state for light as a set up of points.
6. Further line be taken as format of a moving point.
7. The coverage of line as a moving point is a feature which transits from static state of line as an infinity number of points to line as a track of moving point
8. It in a way transition from static state to a dynamic state.
9. One may have a pause here and make the young mind conscious of point as a zero space body in a dynamic state tracking as a 1-space body.

10. One may further have a pause here and the young mind be further made conscious of point as zero space body being the boundary component of line as 1-space body as domain accepting 0-space body at its boundary.
11. From this stage, young mind be very gently and in a sequential steps be exposed to 1-space body (line) being at the boundary of 2-space body / square.
12. Here, the young mind be further made conscious as that square / surface in its static state is a set of an infinite number of lines.
13. Further as that square / surface is a track of a moving line.
14. A step ahead young mind be exposed to surfaces being at the boundary of solids / cube / 3-space bodies.
15. Here as well young minds be very gently made conscious and expose to the static state and dynamic state of cube / solids / 3-space bodies.
16. A step further the static and dynamic state of 4-space bodies / hyper cube 4 being exposed with the help of cubes / solids / 3-space bodies.

Ganita Sutra 9

चलनकलनाभ्याम् ।

Differentiation Calculus

- i. Read the text of the Sutra.
- ii. Pronounce the text Loudly.
- iii. Sequentially tabulate the letters of the text.

1	2	3	4	5	6	7	8	9	10
च्	अ	ल्	अ	न्	अ	क्	ऊ	ल्	अ
11	12	13	14	15	16				
न्	आ	भ्	य्	भ्	म्				

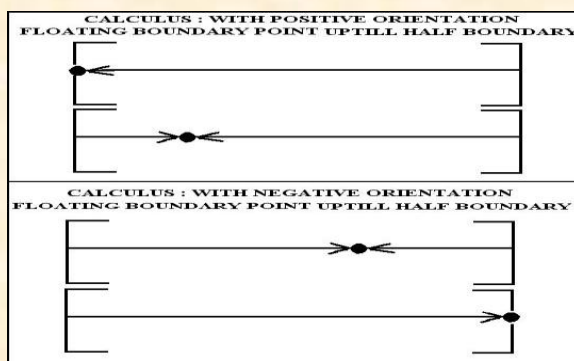
- iv. Chase the different words formed by sequential combinations of letters, as,

Letters					
1	2	3	4	5	6
च्	अ	ल्	अ	न्	अ
Words चल (go,) चलन (channel) चलना (through the channel)					

Letters					
7	8	9	10	11	12
क्	ऊ	ल्	अ	न्	आ
Words कल (machine/tool), कलन (machine code) कलना (automation)					

- v. Reach at the working rule of Sutra.
'channelised motion and automation accumulation'

CLOSED INTERVAL AS OF TWO PARTS



- v. The present day concept and definition of differential coefficient is just a particular case of the format and value of this sutra.
- vi. The differential coefficient in terms of its definition just take care of half boundary of hyper cube.
- vii. However on the format of the present Sutra, systems here take care of every component of the boundary therefore sequential chase, as such along this format sequentially takes care from first boundary component to the last boundary components
- viii. Illustratively in case of cube as hyper cube 3, along the format of the Sutra, sequential chase would be of cubes with one boundary component, with two boundary components, three boundary components, with four boundary components, with five boundary components, with six boundary components and lastly with no boundary components.
- ix. This in a way would amount to having a sequential chase along the whole range of 7 geometries of 3-space, likewise a step ahead care would be taken of all the nine geometries of 4-space.
- x. In general care would be taken of all the $(2n+1)$ geometries of n-space.

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20-10-2014

Dr. S. K. Kapoor,
(Ved Ratan)

Vedic Mathematics Awareness News

WINNERS TEAM OF GYAN VIGYAN MELA FROM " KURUKSHETRA SANKUL"

Session:- 2014-2015

S.N O.	SUBJECT	SHISHU VERG	BAL VERG	KISHORE VERG	TARUN VERG
1	VEDIC GANIT PRSHAN MANCH	Gita Niketan Vidya Mandir, Mohan Nagar(3)	Gita Niketan Vidya Mandir, Sector-3.(3)	Gita Niketan Awasiya Vidyalaya(3)	Gita Girls Sen. Sec. School,KKR (3)
2	Sanskriti Gyan Prshanma nch	Gita Niketan Vidya Mandir, Mohan Nagar(3)	Gita Niketan Awasiya Vidyalaya,KK R(3)	Gita Girls Sen. Sec. School,KKR (3)	SMBG + Gita Niketan Awasiya(Both) (6)
3	Vigyan Prshanma nch	Gita Niketan Vidya Mandir, Mohan Nagar(3)	Gita Girls Sen. Sec. School,KKR (3)	Gita Niketan Awasiya Vidyalaya(3)	SMBG Sen. Sec. school,KKr(3)
4	Vigyan Pryogatma k(Practical s)	Gita Niketan Vidya Mandir, Mohan Nagar(1)	Gita Niketan Awasiya Vidyalaya(1)	Gita Niketan Awasiya Vidyalaya(1)	Gita Niketan Awasiya Vidyalaya(2)
5	Ganit patra Vaachan	N/A----	Gita Niketan Awasiya Vidyalaya(1)	Gita Niketan Awasiya Vidyalaya(1)	Gita Niketan Awasiya Vidyalaya(1)
6	Vigyan Patra Vaachan	N/A----	--N/A----	Gita Girls Sen. Sec. School,KKR(1)	Gita Niketan Awasiya Vidyalaya(1)
7	Maths model	Gita Girls Sen. Sec. School,KKR(1)	Gita Niketan Awasiya Vidyalaya(1)	Gita Niketan Awasiya Vidyalaya(1)	Gita Niketan Awasiya Vidyalaya(1)

SCIENCE MODELS (TOPIC WISE):---**Shishu Verg:--**

	TOPICS	SCHOOL NAME
1	Types of Houses from beginning to present age.	Gita Co-Education middle School,Thanesar(1)
2	Model based on Purification of water & its importance.	Gita Niketan Vidya Mandir, Sector-3(1)
3	Model based on Importance of forests.	Gita Niketan Vidya Mandir, Mohan Nagar(1)
4	Model based on Implements of agriculture.	Gita Niketan Vidya Mandir, Mohan Nagar(1)
5	Innovative models.	Gita Niketan Vidya Mandir, Mohan Nagar(1)

BAL VERG:--

1	Model based on electric current and its effects.	Gita Niketan Awasiya Vidyalaya(1)
2	Model based on reproduction in plants.	Gita Niketan Awasiya Vidyalaya(1)
3	Model based on water is a precious resources.	Major Nitin Bali GNVM,KURUKSHETRA(1)
4	Micro-organisms - Friend or Foe.	Major Nitin Bali GNVM,KURUKSHETRA(1)
5	Innovative models.	Major Nitin Bali GNVM,KURUKSHETRA(1)

KISHORE VERG:---

1	Model based on evolution of living being.	Gita Niketan Awasiya Vidyalaya(1)
2	Model based on buoyancy & its application.	Major Nitin Bali GNVM,KURUKSHETRA(1)
3	Model based on allotropes of Carbon & its applications.	Gita Niketan Awasiya Vidyalaya(1)
4	Model based on circulatory system in human being.	Gita Niketan Awasiya Vidyalaya(1)
5	Innovative models.	Gita Niketan Awasiya Vidyalaya(1)

TARUN VERG:-----

1	Model based on Semiconductor devices.	Gita Niketan Awasiya Vidyalaya(1)
2	Model based on Biotechnology & its applications.	Gita Niketan Awasiya Vidyalaya(1)
3	Model based on conservation of momentum.	Gita Niketan Awasiya Vidyalaya(1)
4	Model based on protection of Environmental disaster.	Gita Niketan Awasiya Vidyalaya(1)
5	Innovative models.	Gita Niketan Awasiya Vidyalaya(1)

SCHOOLWISE NUMBER OF STUDENTS FROM "KURUKSHETRA SANKUL"

S.No.	SCHOOL NAME	NO. OF STUDENTS
1	Gita Niketan Awasiya Vidyalaya, KKR.	34
2	SMBG Sen. Sec. School, KKR. (Boys).	6
3	Gita Girls Sen. Sec. School, Kurukshetra	11
4	Major Nitin Bali GNVM, KURUKSHETRA	4
5	Gita Niketan Vidya Mandir, Mohan Nagar	13
6	SMBG Primary School, KKR (BALGHAR)	0
7	Gita Niketan Vidya Mandir, Sector-3	4
8	Gita co-ed Middle School, Thanesar, KKR.	1
TOTAL STUDENTS ==		73

TOTAL STUDENT PARTICIPATING IN "Gopal Vidya Mandir, Jind."

	BOYS	GIRLS	TOTAL
SHISHU VERG:-	11	5	16
BAL VERG:---	10	7	17
KISHORE VERG & TARUN VERG :--	17	23	40
TOTAL =	38	35	73

Sh. Bhim Sein Khanna
Sh. Deepak Girdhar
- Organizers

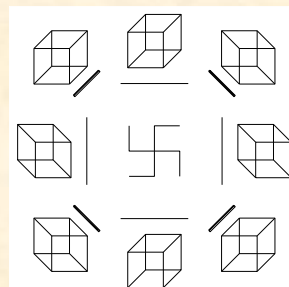
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VEDIC MATHEMATICS, SCIENCE & TECHNOLOGY STEP 4

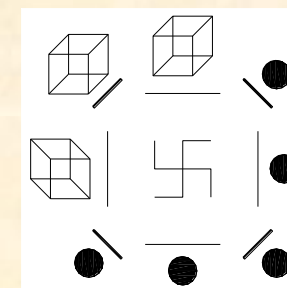
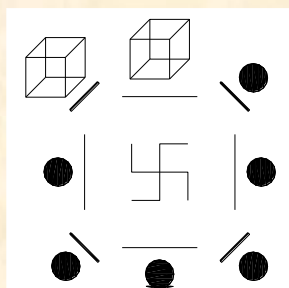
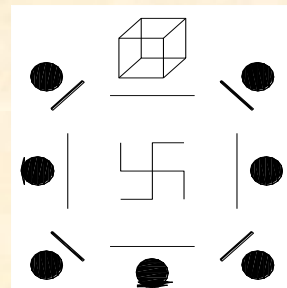
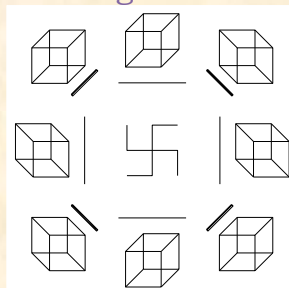
Dr. S. K. Kapoor (Ved Ratan)

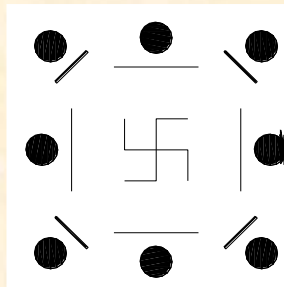
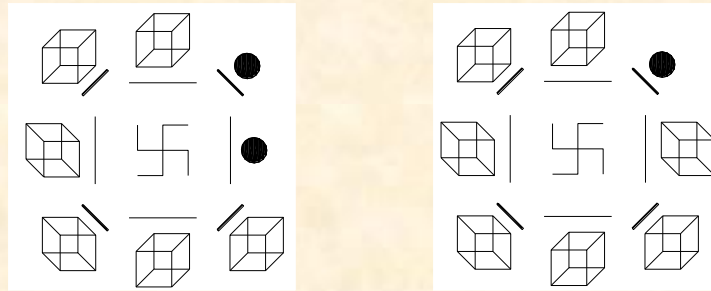
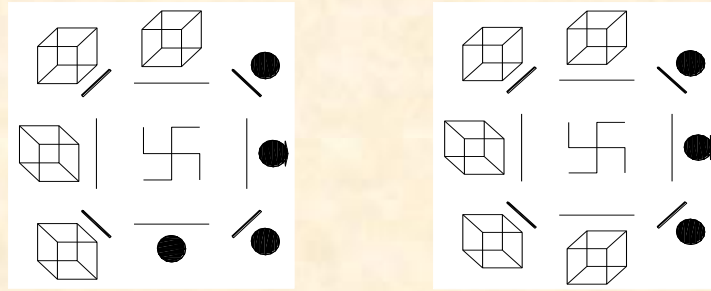
Recapitulation of steps 1 to 4 Step 4

1. 4-space is a creator's space.
2. Hyper cube 4 is its representative regular body.
3. The domain boundary ratio of hyper cube 4 is $A^4: 8 B^3$.
4. The symbolic representation for this regular dimensional body of 4-space may be as under :



5. The nine versions of hyper cube 4 and parallel to it 9 geometries of 4-space are of following formats and values:





6. Nine vowels of Devnagri alphabet (अ इ उ ऋ लृ ए ओ ऐ औ) shall be sequentially availing and working out the formats and values of 9 geometries / 9 versions of hyper cube 4.

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