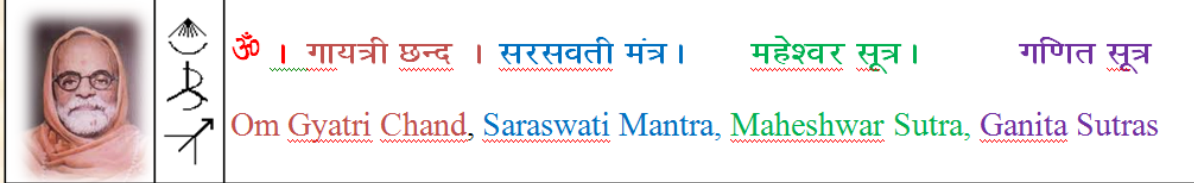


Sri – Om  
VEDIC MATHEMATICS AWARENESS YEAR

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Vedic Mathematics,  
(Sunlight format Mathematics)  
Discipline of dimensional Synthesis  
Mathematics Course

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Spatial features of the text of Ganita Up-Sutra

1. There are sixteen Sutras and Thirteen Up-Sutras.
2. TCV value of 'Surya' is '13'.
3. There are 13 Versions of Hyper cube 6.
4. There are 13 geometrics of 6-space.
5. Within 4-space, cube acquires a degree of freedom of motion, which manifests as thirteenth edge for cube and makes cube a thirteen edged cube.
6. Artifice 13 permits re-organization as  $13=4+5+4$ .
7. Total letters of thirteen Ganita Sutras are 236.
8. Total TCV values range for all thirteen Ganita Up-sutra text is of value '950'.
9. It would be a blissful exercise to chase TCV values of texts of Ganita Up-Sutras 1 to 13.
10. One may tabulate, the letters and TCV values for Ganita Sutras and Up-Sutras as under:

Table of Transcendental organization features  
Of Ganita Sutras and Ganita Upsutras

Sn.	Sutra / Upsutra	Letters	Total Letters	Grand Total letters	TCV Value	Total TCV	Grand Total TCV
1	Sutra-01	16	16	16	74	74	74
2	Sutra-02	28	44	44	107	181	181

3	Sutra-03	15	59	59	56	239	239
4	Sutra-04	17	76	76	51	288	288
5	Sutra-05	20	96	96	71	359	359
6	Sutra-06	19	115	115	66	425	425
7	Sutra-07	24	139	139	91	516	516
8	Sutra-08	16	155	155	68	584	584
9	Sutra-09	16	171	171	59	643	643
10	Sutra-10	9	180	180	41	684	684
11	Sutra-11	14	194	194	58	742	742
12	Sutra-12	20	214	214	79	821	821
13	Sutra-13	20	234	234	80	901	901
14	Sutra-14	17	251	251	84	985	985
15	Sutra-15	16	267	267	56	1041	1041
16	Sutra-16	16	283	283	55	1096	1096
17	Upsutra-01	10	10	293	42	42	1138
18	Upsutra-02	18	28	311	74	116	1212
19	Upsutra-03	23	51	334	96	212	1308
20	Upsutra-04	21	72	355	92	304	1400
21	Upsutra-05	08	80	363	41	345	1441
22	Upsutra-06	18	98	381	85	430	1526
23	Upsutra-07	37	135	418	143	573	1669
24	Upsutra-08	16	151	434	52	625	1721
25	Upsutra-09	11	162	445	40	665	1761
26	Upsutra-10	16	178	461	56	721	1817
27	Upsutra-11	17	195	478	73	794	1890
28	Upsutra-12	09	204	487	44	838	1934
29	Upsutra-13	32	236	519	112	950	2046

11. The total TCV value range of the text of Ganita Up-Sutras comes to be 950 which accepts re-organization as  $950=720+230$ .
12. The artifice value  $230=5 \times 46$ .
13. As such this value can be arranged along both faces of pentagon as  $(23+23)$  value at each vertex of Pentagon.
14. One may have a pause here and be face to face with re-organization for artifice  $(23 = 3+5+3 \times 5)$ .
15. The super imposition of two faces of pentagon upon each other and their opposite orientation shall be making it of a neutralized state.
16. It is this feature of the setup of Ganita Up-sutras, which deserve to be comprehended well.
17. The total TCV value range of Ganita Sutras which come to be 1096 permits re-organization as  $1096=1080+100$ .
18. Here It would be relevant to note that the value '16' is equal to TCV value of sole syllable OM.
19. Here it also would be relevant to note that artifice 16 permits re-organization as  $5+6+5$ .
20. Still further, It would be relevant to note that  $(6,6,6)$  as triple dimensions of order-6 (6-space in roll of dimension) shall be leading to synthesis value (6).
21. One may have a pause there and be face to face with this unique feature.
22. Surface with a pair of faces of Pentagon format shall be sandwiching Hexagon format setup.

23. One may further have a pause here and take note that 6x6 grid/matrix format shall be accepting 5 x 5 grid/matrix imposition along both faces of 6 x 6 grid format.

24. It is this feature of the organization format which deserves to be comprehended well and to be fully appreciated for complete imbibing to have through insight for clear vision about the pure and applied values domain of Ganita Sutras and Up-sutras.

...to be continued

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Dr. Sant Kumar Kapoor

