
Phase 8

**VALUES (Axioms & Postulates)
OF VEDIC GANITA SUTRAS**

Phase 8.1

First letter of the text

*Dr. Sant Kumar Kapoor,
Ved Ratan*

Abstract

Vedic Ganita Sutras (and Upsutras) manifest a self-referral (6-space) domain, the domain which because of its inherent features, sustains itself by unfolding from within.

Axioms and Postulates of Ganita Sutras are of values and features parallel with simultaneous inward and outward, sequential manifestations (of 6-space), as dimension into 8-space domain and 8-space domain of outward progression) into 10-space, 12-space and so on. And as inward manifestation progression from 6-space domain to 4-space dimension and of sequential steps as 2-space, 0-space, -2 space and so on.

First letter of text is the sixth vowel and is of placement value and Sathapatya, within Devnagri alphabet format of number value 6 and of 6-space dimensional frame. The number value 6 is the first perfect number. Surya (Sun) is of 6-space Sathapatya. 6-space is of creative (4-space) dimension. Within 4-space, the space content manifests four fold bodies of full unit, as well as of half unit. Six-space content (D6) manifests within 4-space as full unit Hyper cube 6 (H6) and half unit hyper cube 6 (h6). Frequency of occurrence of 6th vowel in the text of Sutras and Upsutras is '22', which is summation value of four folds (4, 5, 6, 7) of H6. These and other connected features of composition of text of Sutras and Upsutras helps us to appreciate the acceptance of sixth vowel as the first letter.

1. Initiation statement

Vedic scriptures reaching us, being embodiment of Ancient Wisdom / Vedic knowledge system (s), are of a cut off period, as far as the present day knowledge axioms and postulates are concerned.

- i. First feature, emerging very loudly, is that ancient literature has preserved the knowledge, as a unified Discipline of whole range of knowledge as a Grammarised Speaking Language in Devnagri alphabet in Devnagri script. As such the exploration of this domain naturally is to begin with the features and values of Devnagri varanmala (alphabet) and Devnagri lipi (script). And further the reasonable exposure to Grammar rules unfolding meanings of composed formulations of the text are glimpsible.
- ii. The unique features of Vedic mathematics is that it accepts Sathapatya (geometric format) of Sathapatya measuring rod and measuring rope.
- iii. Sathapatya measuring rod is a synthetic set up of four folds manifested bodies of full unit of 1-space to 6-space while the Sathapatya measuring rope is a synthetic set up of four folds bodies of half unit of 1-space to 6-space.
- iv. Manifested bodies of spaces in Creator (4-space) are of four folds manifestation of spaces (s) content (s) within dimensional frame (s), which also accepts synthesis parallel with artifices of numbers.
- v. Parallelism of artifices of numbers and of dimensional axis, bring forth a Sathapatya operation, which is of characteristics features and value of distinct genesis, then that of basic arithmetic and geometric operations. Further, domain split spectra and Transcendence along axes, as well are of characterises features and same are being fully exploited by Vedic Mathematics for being parallel with the follow of transcendental (5-space) content through Surya Rashmi (Rays of Sun).
- vi. Vedic mathematics Sutras' and Upsutras ultimate chase domain is the phenomenon of dimensional order of transcendental (5-space) order of 7-space into 4-space and its manifestation as fifth (base fold) of four fold manifested space bodies of full unit as well as of half unit.

- vii. Ganita Sutras and Upsutras are of axioms and postulates of transcendental 5-space of formation features, because of which Vedic Mathematics of potentialities of its unfolding chase of Existence phenomenon within or without frames.
- viii. Brahma, is the presiding deity of creator (4-space). Formulation Brahma (ब्रह्मा) is of TCV value 29, and is of Vedic Code value 16. The numbers range 1 to 16 is of factors 1 to 29 = 16 + 13. Both, sixteen Ganita Sutras and 13 Ganita Upsutras are of distinct formats, but simultaneously both Sutras and Upsutras are also of integrated format:

S N	Placement of Sutra/ Upsutra
1	Sutra-1
2	Upsutra-1
3	Sutra-2
4	Upsutra-2
5	Sutra-3
6	Upsutra-3
7	Sutra-4
8	Upsutra-4
9	Sutra-5
10	Upsutra-5
11	Sutra-6
12	Upsutra-6
13	Sutra-7
14	Upsutra-7
15	Sutra-8

S N	Placement of Sutra/ Upsutra
16	Sutra-9
17	Upsutra-8
18	Sutra-10
19	Upsutra-9
20	Sutra-11
21	Upsutra-10
22	Sutra-12
23	Upsutra-11
24	Sutra-13
25	Upsutra-12
26	Sutra-14
27	Upsutra-13
28	Sutra-15
29	Sutra-16

2. Number value '6'

Six is a perfect number: (summation value of triple proper divisors (1, 2, 3 of 6, is $1 + 2 + 3 = 6$). Six is the first perfect number, and is also of characteristics features as that, not only the summation ($1 + 2 + 3$) of triple proper divisors of six is 6 but also the product ($1 \times 2 \times 3$) of them as well is 6 and, the product of all the four divisors (1, 2, 3, 6) of '6', is equal to square of 6.

The right angle triangle of sides (3, 4, 5) frames '6' area unit surface. The quadruple (3, 4, 5, 6) is parallel with four folds Sathapatya of Hyper cube 5 in 4-space. In it, 6-space is origin fold.

3. Frequency of occurrence of 6th vowel in the text

- i. The frequency of occurrence of 6th vowel in the text of Sutras and Upsutras, is 'Twenty-two'. Text words formulation wise accepting 6th vowel, are as under: -

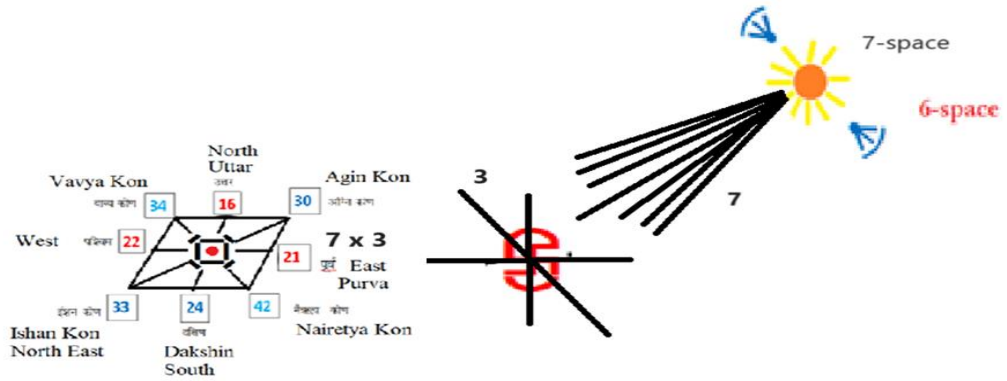
Sutras (frequency of occurrence of 6th vowel is 12)

(S1) एकाधिकेन पूर्वेण ।	(3)	(S4) योजयेत् ।	(1)
(S5) साम्यसमुच्चये ।	(1)	(S6) (आनुरूष्ये)	(1)
(S12) शेषाण्यङ्केन चरमेण ।	(3)	(S14) एकन्यूनेन पूर्वेण्ज्ञं	(3)

Upsutras (frequency of occurrence of 6th vowel is 10)

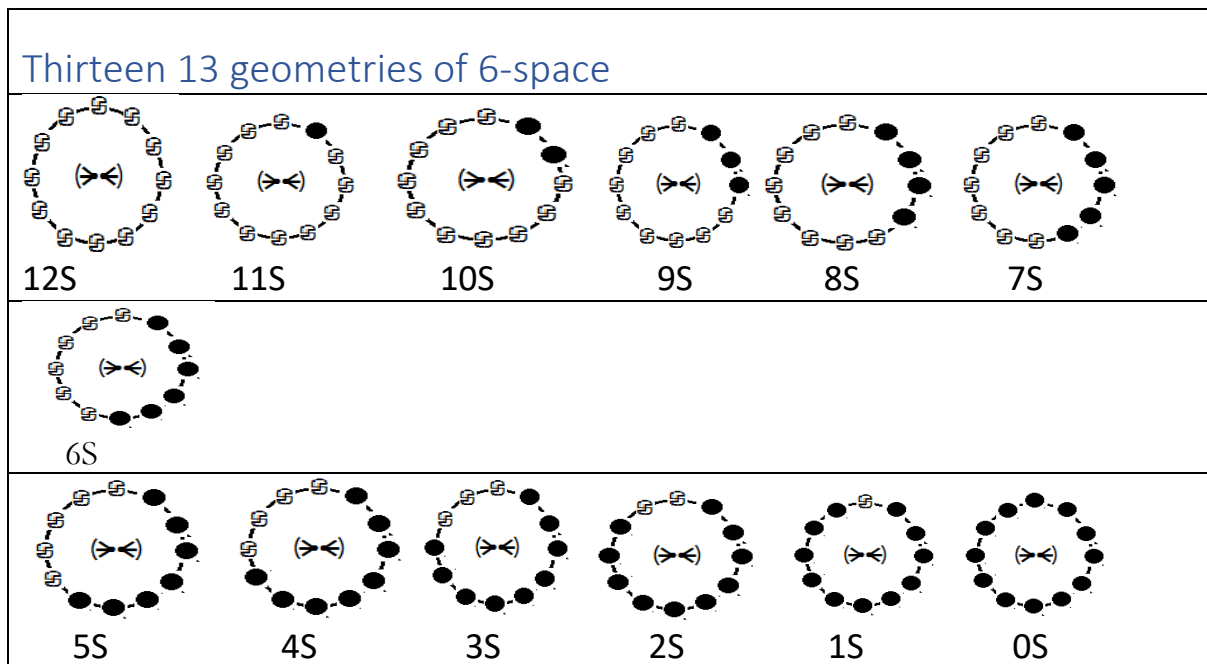
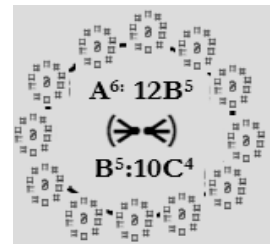
(U1) आनुरूष्येण ।	(1)	(U2) शिष्यते शेषसंज्ञः ।	(2)
(U3) आघमाघेनान्त्यमन्त्येन ।	(2)	(U4) केवलैः ।	(1)
(U5) वेष्टनम् ।	(1)	(U7) योजयेत् ।	(1)
(U8) अन्त्ययोर्दशकेऽपि ।	(1)	(U9) अन्त्ययोरेव ।	(1)

- ii. The frequency of occurrence of 6th vowel in the text of Sutras and Upsutras is 22 which is parallel with the summation values of four folds (3, 4, 5, 6) of hyper cube 6 in 4-space. Hyper cube 6 is of four folds (4, 5, 6, 7) of summation value 22.
- iii. Origin fold of hyper cube 6 is of Sathapatya format of 7-space, which is of transcendental order (5-space) order. Transcendental (5-space) flows from origin (7-space / pole star) of 6-space (Sun) through rays of Sun into Creator (4-space) and manifests eight directional frame parallel with solid boundary of eight components of hyper cube 4.



iv. Eight directions formulations are of TCV values (i) East Purva 21 (ii) Agin Kon 30 (iii) North Uttar (16) (iv) Vavya Kon (34), (v) West (22) (vi) Ishan Kon (33) (vii) Dakshin South (24) (viii) Nairetya Kon (42). The summation value of these eight directions formulations TCV values is $21 + 30 + 16 + 34 + 22 + 33 + 24 + 42 = 222 = 6 \times 37 = 6 \times (18 + 19)$; $18 = H5$ and $19 = h5$, the Sathapatya format of 5-space origin of 4-space.

v. Hyper cube 6 is of transcendental boundary (5-space) of 12 components. It makes 13 versions of hyper cube 6, as making Sathapatya / geometric formats of 13 geometries of 6-space.



- vi. The manifested features of Sathapatya of these 13 geometries of 6-space are parallel with attainment of 0 value state for flow of transcendental content in 13 phases, sequentially being of values as under :-

1	21	30	16	34	22	33	24	42	222
2	9	14	18	12	11	9	18	21	112
3	5	4	6	1	2	9	3	12	42
4	1	2	5	1	7	6	9	7	38
5	1	3	4	6	1	3	2	6	26
6	2	1	2	5	2	1	4	5	22
7	1	1	3	3	1	3	1	3	16
8	0	2	0	2	2	2	2	2	12
9	2	2	2	0	0	0	0	2	8
10	0	0	2	0	0	0	2	0	4
11	0	2	2	0	0	2	2	0	8
12	2	0	2	0	2	0	2	0	8
13	2	2	2	2	2	2	2	2	16
14	0	0	0	0	0	0	0	0	0
	46	63	64	66	52	70	71	102	534

4. Synthesis of six creative axes of six dimensional frame

The sequential synthetic values of 6 creative (4-space) order / axes / dimensions is

- i. Of single dimension value '4'
- ii. Of pair of dimensions value '4, 4' = 6
- iii. Of triple of dimensions value '4, 4, 4' = 6
- iv. Of quadruple of dimensions value '4, 4, 4, 4' = 4
- v. Of penta of dimensions value '4, 4, 4, 4, 4' = 0
- vi. Of hexa of dimensions value '4, 4, 4, 4, 4, 4' = - 6

5. Structural key

First letter is the structural key of mathematical domain of Vedic Ganita Sutras and Upsutras. The summation of TCV values of first letter of 16 Ganita Sutras is $64 = 2^6$.

C1 = Sutra Number, C2 = First letter, C3 = TCV value, C4 = Grand total

C1	C2	C3	C4
1	ए	6	6
2	न्	8	14
3	ऊ	6	20
4	प्	5	25

C1	C2	C3	C4
5	श्	2	27
6	आ	2	29
7	सा	3	32
8	प्	5	37

C1	C2	C3	C4
9	च्	2	39
10	य्	1	40
11	व्	7	47
12	श्	2	49

C1	C2	C3	C4
13	स	3	52
14	ए	6	58
15	ग्	3	61
16	ग्	3	64

The summation of TCV values of end (last) letters of Sutras is 123 which as dimension value takes to origin of value $126 = 6 \times 21 = 6 (1 + 2 + 3 + 4 + 5 + 6)$, parallel with Sathapatya rod format for axis of 6-space :

C1 = Sutra Number, C2 = last letter, C3 = TCV value, C4 = Grand total

C1	C2	C3	C4
1	अ	1	1
2	:	13	14
3	म्	9	23
4	त्	4	27

C1	C2	C3	C4
5	ए	6	33
6	त्	4	37
7	म्	9	46
8	म्	9	55

C1	C2	C3	C4
9	म्	9	64
10	म्	9	73
11	:	13	86
12	अ	1	87

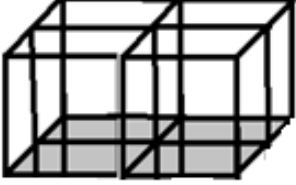
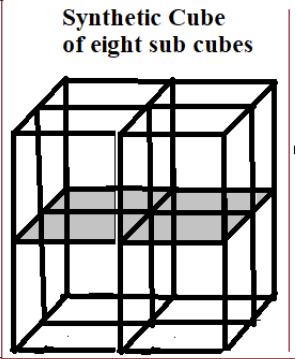
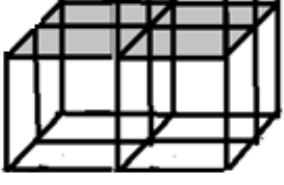
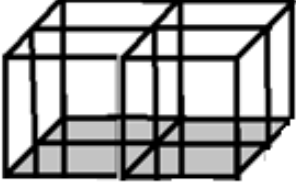
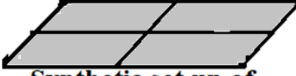
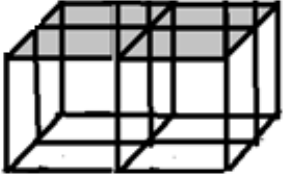
C1	C2	C3	C4
13	म्	9	96
14	अ	1	97
15	:	13	110
16	:	13	123

6. Sathapatya measuring rod

Sathapatya measuring rod, a synthetic set up of hyper cubes 1 to 6, representative regular bodies of full units of 1-space to 6-space of value format (1, 2, 3, 4, 5, 6) swaps 6-space domain. The summation values of values range 1 to 6 is 21, for unit value 2 this range value becomes 42 and sequentially ahead for unit values 3, 4, 5 and 6 respectively. The values progression becomes of values 63, 84, 105 and 126. These values range is respectively of single, double, triple, quadruple, penta and hexa dimensions of Sathapatya measuring rod format.

Hyper cubes 1 to 6					
1	2	3	4	5	6
—	□	⊠	⊞	⊞	⊞

For unit value 6, the values range (1, 2, 3, 4, 5, 6) transits into values range (6, 12, 18, 24 and 36 of grand total value $126 = 6 \times 21$, parallel with the organization format of text of Vishnu Puran being of 6 ansh and 126 chapters. The value $126 (6^2 + 6^3) / 2$; half square of value 6 + half cube of value 6.

<p>Upper Quadruple Sub cubes upper quadruple sub cubes</p> 	<p>Synthetic Cube of eight sub cubes</p> 	<p>Lower Quadruple Sub cubes</p>  <p>lower quadruple sub cubes</p>
<p>Upper Quadruple Sub cubes upper quadruple sub cubes</p> 	<p>Separation base plate</p>  <p>Synthetic set up of quadruple quarter sequares</p>	<p>Lower Quadruple Sub cubes</p>  <p>lower quadruple sub cubes</p>

This is parallel with the format of split of set up of cube as a pair of quadruple sub cubes, as upper half and lower half with separating plate of a pair of faces.

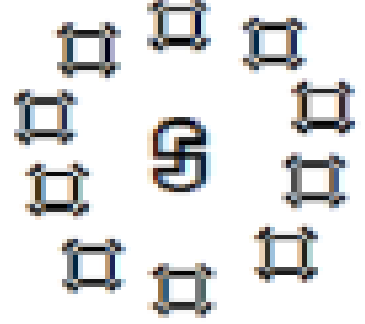
This split format into a pair of halves is the format of solar universe, as well.

First Ganita Sutra and of first letter of the first Ganita Sutras as of Sathapatya of master structural key, not only of first Ganita Sutra, but also of all the 16 Sutras and further, as well is of further 13 Ganita Upsutras.

As 6-space content split spectra is of value $6 + 4 + 4 + 2 = 16$, and hyper cube 6 the representative regular body of 6-space is of 13 versions.

The entire text of 16 Ganita Sutras and 13 Ganita Upsutras is of a composition of 519 expressed letters and 1 unexpressed letter ऽ, of 10th Upsutra (अन्त्ययोर्दशके ऽपि).

This makes expressed and unexpressed Sathapatya value being $520 = 52 \times 10 = (4 \times 13) \times 10$ of Sathapatya of Hyper cube 5 of Creative boundary of 10 components and of dimensional frame of value 15 and 15 space content split spectra being of value $15 + 13 + 13 + 11 = 52$.



7. Structural Richness of format

Sathapatya of first letter as master key, brings to focus the structural richness of the mathematical domain of Vedic mathematics Ganita Sutras and Upsutras. The expressed letter of the text are 519. Beginning with the first letter and reach uptill the last letter will blissfully fulfil our urge to be parallel with Vedic mathematics of Ganita Sutras being the basis base of Vedic knowledge systems. It is going to be a very blissful pilgrimage.

Hereunder is sequentially tabulated 519 expressed letters with TCV values and also in case of vowels, as dimensional frames permitting transcendence uptill dimension of dimension level :

C1 = serial number of the letter of the text, C2 = Sutra / Upsutra number of the text, C3 = letter of the text, C4 = TCV value of the letter, C5 = is the transcendence value through the vowel (dimensional frame of respective space)

Sutra 1 एकाधिकेन

C1	C2	C3	C4	C5
001	1	ए	6	48
002	1	क्	4	
003	1	आ	2	0
004	1	ध्	7	
005	1	इ	2	0
006	1	क्	4	
007	1	ए	6	192
008	1	न्	8	
009	1	अ	1	24

C6	C7	C8	C9	C10
26	10	22	40	86
24	12	14	30	64
22	16	6	20	42
27	14	26	45	97
22	16	6	20	42
24	12	14	30	64
26	10	22	40	86
28	11	30	50	108
21	8	2	15	31

पूर्वेण

C1	C2	C3	C4	C5
010	1	प्	5	
011	1	ऊ	6	-5
012	1	ॠ	3	
013	1	वृ	7	
014	1	ए	6	480
015	1	प्	7	
016	1	अ	1	21

C6	C7	C8	C9	C10
25	15	18	35	75
26	10	22	40	86
16	8	10	25	53
27	14	26	45	97
26	10	22	40	86
27	14	26	45	97
21	8	2	15	31

Sutra 2 निखिलं

C1	C2	C3	C4	C5
017	2	न्	8	
018	2	इ	2	0
019	2	ख्	2	
020	2	इ	2	0
021	2	ल्	5	
022	2	अ	1	15
023	2	.	9	28

C6	C7	C8	C9	C10
28	11	30	50	108
22	16	6	20	42
22	16	6	20	42
22	16	6	20	42
25	15	18	35	75
21	8	2	15	31
29	17	34	55	119

नवतश्चरमं

C1	C2	C3	C4	C5
024	2	न्	8	
025	2	अ	1	24
026	2	वृ	7	
027	2	अ	1	21
028	2	त्	4	
029	2	अ	1	12
030	2	श्	2	
031	2	च्	2	
032	2	अ	1	12
033	2	र	3	
034	2	अ	1	9
035	2	म्	9	
036	2	अ	1	27
037	2	.	9	28

C6	C7	C8	C9	C10
28	11	30	50	108
21	8	2	15	31
27	14	26	45	97
21	8	2	15	31
24	12	14	30	64
21	8	2	15	31
22	16	6	20	42
22	16	6	20	42
21	8	2	15	31
16	8	10	25	53
21	8	2	15	31
29	17	34	55	119
21	8	3	15	31
29	17	34	55	119

दशतः

C1	C2	C3	C4	C5
038	2	दू	6	
039	2	अ	1	18
040	2	शू	2	
041	2	अ	1	6
042	2	तू	4	
043	2	अ	1	12
044	2	:	13	32

C6	C7	C8	C9	C10
26	10	22	40	86
21	8	2	15	31
22	16	6	20	42
21	8	2	15	31
24	12	14	30	64
21	8	2	15	31
		50	75	163

Sutra 3 ऊर्ध्वतिर्यग्भ्याम्

C1	C2	C3	C4	C5
045	3	ऊ	6	-1
046	3	घू	7	
047	3	ँ	3	
048	3	वू	7	
049	3	अ	1	51
050	3	तू	4	
051	3	इ	2	0
052	3	ँ	3	
053	3	यू	1	
054	3	अ	1	12
055	3	गू	3	
056	3	भू	8	
057	3	यू	1	
058	3	आ	2	0

059	3	म्	9	9
C6	C7	C8	C9	C10
26	10	22	40	86
27	14	26	45	97
16	8	10	25	53
27	14	26	45	97
21	8	2	15	31
24	12	14	30	64
22	16	6	20	42
17	8	10	25	53
21	8	2	15	31
21	8	2	15	31
23	8	10	25	53
28	11	30	50	108
21	8	2	15	31
22	16	6	20	42
29	17	34	55	119

Note :- First three Sutras as of first three placements in the range of 16 Sutras constitute a class as much as that numbers 1, 2 and 3, are not composite numbers. The first composite numbers of the range is 4 of Sathapatya format of 4-space. number 4 is a composition of a pair of factors and 4-space is of a spatial order.

Sutra 4 परावर्त्य

C1	C2	C3	C4	C5
060	4	प्	5	
061	4	अ	1	15
062	4	र्	3	
063	4	आ	2	0
064	4	व्	7	
065	4	अ	1	21
066	4		3	
067	4	त्	4	
068	4	य्	1	
069	4	अ	1	24

C6	C7	C8	C9	C10
25	15	18	35	75
21	8	2	15	31
16	8	10	25	53
22	16	6	20	42
27	14	26	45	97
21	8	2	15	31
17	8	10	25	53
24	12	14	30	64
21	8	2	15	31
21	8	2	15	31

योजयेत्

C1	C2	C3	C4	C5
070	4	य्	1	
071	4	ओ	7	105
072	4	ज्	4	
073	4	अ	1	12
074	4	य्	1	
075	4	ए	6	48
076	4	त्	4	4

C6	C7	C8	C9	C10
21	8	2	15	31
27	14	26	45	97
24	12	14	30	64
21	8	2	15	31
21	8	2	15	31
26	10	22	40	86
24	12	14	30	64

Sutra 5 शून्यं

C1	C2	C3	C4	C5
077	5	श्	2	
078	5	ऊ	6	-2
079	5	न्	8	
080	5	य्	1	
081	5	अ	1	27
082	5		9	28
C6	C7	C8	C9	C10
22	16	6	20	42
26	10	22	40	86
28	11	30	50	108

21	8	2	15	31
21	8	2	15	31
29	17	34	55	119

साम्यसमुच्चये ।

C1	C2	C3	C4	C5
083	5	स्	3	
084	5	आ	2	0
085	5	म्	9	
086	5	य्	1	
087	5	अ	1	30
088	5	स्	3	
089	5	अ	1	9
090	5	म्	9	
091	5	उ	3	-27
092	5	व्	2	
093	5	व्	2	
094	5	अ	1	12
095	5	य्	1	
096	5	ए	6	48

C6	C7	C8	C9	C10
23	8	10	25	53
22	16	6	20	42
29	17	34	55	119
21	8	2	15	31
21	8	2	15	31
23	8	10	25	53
21	8	2	15	31
29	17	34	55	119
23	8	10	25	53
22	16	6	20	42
22	16	6	20	42
21	8	2	15	31
21	8	2	15	31
26	10	22	40	86

Sutra 6 (आनुरूप्ये)

C1	C2	C3	C4	C5
097	6	आ	2	0
098	6	न्	8	
099	6	उ	3	-24
100	6	र्	3	
101	6	ऊ	6	-3
102	6	प्	5	
103	6	य्	1	
104	6	ए	6	288

C6	C7	C8	C9	C10
22	16	6	20	42
28	11	30	50	108
23	8	10	25	53
16	8	10	25	53
26	10	22	40	86
25	15	18	35	75
21	8	2	15	31
26	10	22	40	86

शून्यमन्यत् ।

C1	C2	C3	C4	C5
105	6	श्	2	
106	6	ऊ	6	-2
107	6	न्	8	
108	6	य्	1	
109	6	अ	1	27
110	6	म्	9	
111	6	अ	1	27
112	6	न्	8	
113	6	य्	1	
114	6	अ	1	27

115	6	र्	4	4
C6	C7	C8	C9	C10
22	16	6	20	42
26	10	22	40	86
28	11	30	50	108
21	8	2	15	31
21	8	2	15	31
29	17	34	55	119
21	8	2	15	31
28	11	30	50	108
21	8	2	15	31
21	8	2	15	31
24	12	14	30	64

Sutra 7 संकलनव्यवकलनाभ्याम् ।

C1	C2	C3	C4	C5
116	7	स्	3	
117	7	अ	1	9
118	7	.	9	28
119	7	क्	4	
120	7	अ	1	12
121	7	ल्	5	
122	7	अ	1	15
123	7	न्	8	
124	7	अ	1	24
125	7	व्	7	
126	7	य्	1	
127	7	अ	1	24
128	7	व्	7	
129	7	अ	1	21
130	7	क्	4	
131	7	अ	1	12
132	7	ल्	5	
133	7	अ	1	15
134	7	न्	8	
135	7	आ	2	0
136	7	भ्	8	
137	7	य्	1	
138	7	आ	2	0
139	7	म्	9	9

C6	C7	C8	C9	C10
23	8	10	25	53
21	8	2	15	31
29	17	34	55	119
24	12	14	30	64
21	8	2	15	31
25	15	18	35	75
21	8	2	15	31
28	11	30	50	108
21	8	2	15	31
27	14	26	45	97
21	8	2	15	31
21	8	2	15	31
27	14	26	45	97
21	8	2	15	31
24	12	14	30	64
21	8	2	15	31
25	15	18	35	75
21	8	2	15	31
28	11	30	50	108
22	16	6	20	42
28	11	30	50	108
21	8	2	15	31
22	16	6	20	42
29	17	34	55	119

Note :- number value 8 is of organization feature of 2^3 . Number value 8 gives rise to formulation Asht (अष्ट). The number value 8 is parallel with TCV (1), as well as is the TCV (त्रय). The organization 2^3 is parallel with split of a cube into 8 sub cubes. Further the solid boundary of hyper cube 4 is of 8 components. Hyper cube 8 is of TCV value 30 and is of TCV value (Agni con). $30 = 3 \times 10$. TCV (अष्ट) = 11; $11 \times 3 = 33 =$ TCV (ईशान कोण).

Sutra 8 पूरणापूरणाभ्याम् ।

C1	C2	C3	C4	C5
140	8	प्	5	
141	8	ऊ	6	-5
142	8	र	3	
143	8	अ	1	9
144	8	प्	7	
145	8	आ	2	0
146	8	प्	5	
147	8	ऊ	6	-5
148	8	र	3	
149	8	अ	1	9
150	8	प्	7	
151	8	आ	2	0
152	8	भ्	8	
153	8	य्	1	
154	8	आ	2	0
155	8	म्	9	9

C6	C7	C8	C9	C10
25	15	18	35	75
26	10	22	40	86
16	8	10	25	53
21	8	2	15	31
27	14	26	45	97
22	16	6	20	42
25	15	18	35	75
26	10	22	40	86
16	8	10	25	53
21	8	2	15	31
27	14	26	45	97
22	16	6	20	42
28	11	30	50	108
21	8	2	15	31
22	16	6	20	42
29	17	34	55	119

Sutra 9 चलनकलनाभ्याम् ।

C1	C2	C3	C4	C5
156	9	च्	2	
157	9	अ	1	6
158	9	ल्	5	
159	9	अ	1	15
160	9	न्	8	
161	9	अ	1	24
162	9	क्	4	
163	9	अ	1	12
164	9	ल्	5	
165	9	अ	1	18
166	9	न्	8	
167	9	आ	2	0
168	9	भ्	8	
169	9	य्	1	
170	9	आ	2	0
171	9	म्	9	9

C6	C7	C8	C9	C10
22	16	6	20	42
21	8	2	15	31
25	15	18	35	75
21	8	2	15	31
28	11	30	50	108
21	8	2	15	31
24	12	14	30	64
21	8	2	15	31
26	10	22	40	86
21	8	2	15	31
28	11	30	50	108
22	16	6	20	42
28	11	30	50	108
21	8	2	15	31
22	16	6	20	42
29	17	34	55	119

Sutra 10 यावदूनम् ।

C1	C2	C3	C4	C5
172	10	य्	1	
173	10	आ	2	0
174	10	व्	7	
175	10	अ	1	21
176	10	द्	6	
177	10	ऊ	6	-6
178	10	न्	8	
179	10	अ	1	24
180	10	म्	9	9

C6	C7	C8	C9	C10
21	8	2	15	31
22	16	6	20	42
27	14	26	45	97
21	8	2	15	31
26	10	22	40	86
26	10	22	40	86
28	11	30	50	108
21	8	2	15	31
29	17	34	55	119

Sutra 11

व्यष्टिसमष्टिः ।

C1	C2	C3	C4	C5
181	11	व्	7	
182	11	य्	1	
183	11	अ	1	24
184	11	ष्	6	
185	11	त्	3	
186	11	श्	2	0
187	11	स्	3	
188	11	अ	1	9
189	11	म्	9	
190	11	अ	1	27
191	11	ष्	6	
192	11	त्	3	
193	11	श्	2	0
194	11	:	13	32

C6	C7	C8	C9	C10
27	14	26	45	97
21	8	2	15	31
21	8	2	15	31
26	10	22	40	86
23	8	10	25	53
22	16	6	20	42
23	8	10	25	53
21	8	2	15	31
29	17	34	55	119
21	8	2	15	31
26	10	22	40	86
23	8	10	25	53
22	16	6	20	42
		50	75	163

Sutra 12 शेषाप्यङ्.केन

C1	C2	C3	C4	C5
195	11	श्	2	
196	11	ए	6	96
197	11	ष्	6	
198	11	आ	2	0
199	11	ण्	7	
200	11	य	1	
201	11	अ	1	24
202	11	ङ्.	5	
203	11	क्	4	
204	11	ए	6	432
205	11	न्	8	
206	11	अ	1	24

C6	C7	C8	C9	C10
22	16	6	20	42
26	10	22	40	86
26	10	22	40	86
22	16	6	20	42
27	14	26	45	97
21	8	2	15	31
21	8	2	15	31
25	15	18	35	75
24	12	14	30	64
26	10	22	40	86
28	11	30	50	108
21	8	2	15	31

चरमेण ।

C1	C2	C3	C4	C5
207	12	च्	2	
208	12	अ	1	6
209	12	र्	3	
210	12	अ	1	9
211	12	म्	9	
212	12	ए	6	432
213	12	ण्	7	
214	12	अ	1	21

C6	C7	C8	C9	C10
22	16	6	20	42
21	8	2	15	31
16	8	10	25	53
21	8	2	15	31
29	17	34	55	119
26	10	22	40	86
27	14	26	45	97
21	8	2	15	31

Sutra 13

सोपान्त्यद्वयमन्त्यम्

C1	C2	C3	C4	C5
215	13	स्	3	
216	13	ओ	7	315
217	13	प्	5	
218	13	आ	2	0
219	13	न्	8	
220	13	त्	4	
221	13	य्	1	
222	13	अ	1	39
223	13	द्	6	
224	13	व्	7	
225	13	अ	1	39
226	13	य्	1	
227	13	अ	1	3
228	13	म्	9	
229	13	अ	1	27
230	13	न्	8	
231	13	त्	4	
232	13	य्	1	
233	13	अ	1	39
234	13	म्	9	9

C6	C7	C8	C9	C10
23	8	10	25	53
27	14	26	45	97
25	15	18	35	75
22	16	6	20	42
28	11	30	50	108
24	12	14	30	64
21	8	2	15	31
21	8	2	15	31
26	10	22	40	86
27	14	26	45	97
21	8	2	15	31
21	8	2	15	31
21	8	2	15	31
29	17	34	55	119
21	8	2	15	31
28	11	30	50	108
24	12	14	30	64
21	8	2	15	31
21	8	2	15	31
29	17	34	55	119

Sutra 14

एकन्त्युनेन

C1	C2	C3	C4	C5
235	14	ए	6	48
236	14	क्	4	
237	14	अ	1	12
238	14	न्	8	
239	14	य्	1	
240	14	ऊ	6	-9
241	14	न्	8	
242	14	ए	6	384
243	14	न्	8	
244	14	अ	1	24

C6	C7	C8	C9	C10
26	10	22	40	86
24	12	14	30	64
21	8	2	15	31
28	11	30	50	108
21	8	2	15	31
26	10	22	40	86
28	11	30	50	108
26	10	22	40	86
28	11	30	50	108
21	8	2	15	31

पूर्वेण ।

C1	C2	C3	C4	C5
245	14	प्र	5	
246	14	ऊ	6	240
247	14	र	3	
248	14	व	7	
249	14	ए	6	480
250	14	प्	7	
251	14	अ	1	21

C6	C7	C8	C9	C10
25	15	18	35	75
26	10	22	40	86
16	8	10	25	53
27	14	26	45	97
26	10	22	40	86
27	14	26	45	97
21	8	2	15	31

Sutra 15

गुणितसमुच्चयः ।

C1	C2	C3	C4	C5
252	15	ग्	3	
253	15	उ	3	-9
254	15	प्	7	
255	15	इ	2	0
256	15	व्	4	
257	15	अ	1	12
258	15	स्	3	
259	15	अ	1	9
260	15	म्	9	
261	15	इ	3	-27
262	15	च्	2	
263	15	च्	2	
264	15	अ	1	12
265	15	य्	1	
266	15	अ	1	3
267	15	:	13	32

C6	C7	C8	C9	C10
23	8	10	25	53
23	8	10	25	53
27	14	26	45	97
22	16	6	20	42
24	12	14	30	64
21	8	2	15	31
23	8	10	25	53
21	8	2	15	31
29	17	34	55	119
23	8	10	25	53
22	16	6	20	42
22	16	6	20	42
21	8	2	15	31
21	8	2	15	31
21	8	2	15	31
47		50	75	163

Sutra 16

गुणकसमुच्चयः ।

C1	C2	C3	C4	C5
268	16	ग्	3	
269	16	उ	3	-9
270	16	प्	7	
271	16	अ	1	21
272	16	क्	4	
273	16	अ	1	12
274	16	स्	3	
275	16	अ	1	9
276	16	म्	9	
277	16	उ	3	-27
278	16	च्	2	
279	16	च्	2	
280	16	अ	1	12
281	16	य्	1	
282	16	अ	1	3
283	16	:	13	32

C6	C7	C8	C9	C10
23	8	10	25	53
23	8	10	25	53
27	14	26	45	97
21	8	2	15	31
24	12	14	30	64
21	8	2	15	31
23	8	10	25	53
21	8	2	15	31
29	17	34	55	119
23	8	10	25	53
22	16	6	20	42
22	16	6	20	42
21	8	2	15	31
21	8	2	15	31
21	8	2	15	31
47		50	75	163

Upsutra 1

आनुरूप्येण

C1	C2	C3	C4	C5
284	1	आ	2	0
285	1	न्	8	
286	1	उ	3	-24
287	1	र	3	
288	1	ऊ	6	144
289	1	प्	5	
290	1	य्	1	
291	1	ए	6	288
292	1	प्	7	
293	1	अ	1	21

C6	C7	C8	C9	C10
22	16	6	20	42
28	11	30	50	108
23	8	10	25	53
16	8	10	25	53
26	10	22	40	86
25	15	18	35	75
21	8	2	15	31
26	10	22	40	86
27	14	26	45	97
21	8	2	15	31

Upsutra 2

शिष्यते

C1	C2	C3	C4	C5
294	2	श्	2	
295	2	इ	2	0
296	2	ष्	6	
297	2	य्	1	
298	2	अ	1	21
299	2	त्	4	
300	2	ए	6	192

C6	C7	C8	C9	C10
22	16	6	20	42
22	16	6	20	42
26	10	22	40	86
21	8	2	15	31
21	8	2	15	31
24	12	14	30	64
26	10	22	40	86

शेषसंज्ञः ।

C1	C2	C3	C4	C5
301	2	श्	2	
302	2	ए	6	96
303	2	ष्	6	
304	2	अ	1	18
305	2	स्	3	
306	2	अ	1	9
307	2	.	9	28
308	2	ञ्	4	
309	2	ञ्	6	
310	2	अ	1	30
311	2	:	13	32

C6	C7	C8	C9	C10
22	16	6	20	42
26	10	22	40	86
26	10	22	40	86
21	8	2	15	31
23	8	10	25	53
21	8	2	15	31
29	17	34	55	119
24	12	14	30	64
26	10	22	40	86
21	8	2	15	31
47		50	75	163

Upsutra 3

आघमाघेनान्त्यमन्त्येन ।

C1	C2	C3	C4	C5
312	3	आ	2	0
313	3	द्	6	
314	3	य्	1	
315	3	अ	1	21
316	3	म्	9	
317	3	आ	2	0
318	3	द्	6	
319	3	य्	1	
320	3	ए	6	336
321	3	न्	8	
322	3	आ	2	0
323	3	न्	8	
324	3	त्	4	
325	3	य्	1	
326	3	अ	1	39
327	3	म्	9	
328	3	अ	1	27
329	3	न्	8	
330	3	त्	4	
331	3	य्	1	
332	3	ए	6	564
333	3	न्	8	
334	3	अ	1	24

C6	C7	C8	C9	C10
22	16	6	20	42
26	10	22	40	86
21	8	2	15	31
21	8	2	15	31
29	17	34	55	119
22	16	6	20	42
26	10	22	40	86
21	8	2	15	31
26	10	22	40	86
28	11	30	50	108
22	16	6	20	42
28	11	30	50	108
24	12	14	30	64
21	8	2	15	31
21	8	2	15	31
29	17	34	55	119
21	8	2	15	31
28	11	30	50	108
24	12	14	30	64
21	8	2	15	31
26	10	22	40	86
28	11	30	50	108
21	8	2	15	31

Upsutra 4

केवलैः

C1	C2	C3	C4	C5
335	4	क्	4	
336	4	ए	6	192
337	4	व्	7	
338	4	अ	1	21
339	4	ल्	5	
340	4	ऐ	8	950
341	4	:	13	32

C6	C7	C8	C9	C10
24	12	14	30	64
26	10	22	40	86
27	14	26	45	97
21	8	2	15	31
25	15	18	35	75
28	11	30	50	108
47		50	75	163

सप्तकं

C1	C2	C3	C4	C5
342	4	स्	3	
343	4	अ	1	9
344	4	प्	5	
345	4	त्	4	
346	4	अ	1	27
347	4	क्	4	
348	4	अ	1	12
349	4	.	9	9

C6	C7	C8	C9	C10
23	8	10	25	53
21	8	2	15	31
25	15	18	35	75
24	12	14	30	64
21	8	2	15	31
24	12	14	30	64
21	8	2	15	31
29	17	34	55	119

गुण्यात् ।

C1	C2	C3	C4	C5
350	4	ग्	3	
351	4	उ	3	-9
352	4	प्	7	
353	4	य्	1	
354	4	आ	2	0
355	4	त्	4	4

C6	C7	C8	C9	C10
23	8	10	25	53
23	8	10	25	53
27	14	26	45	97
21	8	2	15	31
22	16	6	20	42
24	12	14	30	64

Upsutra 5

वेष्टनम् ।

C1	C2	C3	C4	C5
356	5	व्	7	
357	5	ए	6	336
358	5	ष्	6	
359	5	द्	3	
360	5	अ	1	27
361	5	न्	8	
362	5	अ	1	24
363	5	म्	9	9
C6	C7	C8	C9	C10

27	14	26	45	97
26	10	22	40	86
26	10	22	40	86
23	8	10	25	53
21	8	2	15	31
28	11	30	50	108
21	8	2	15	31
29	17	34	55	119

Upsutra 6

यावदूनं

C1	C2	C3	C4	C5
364	6	य्	1	
365	6	आ	2	0
366	6	व्	7	
367	6	अ	1	21
368	6	द्	6	
369	6	ऊ	6	288
370	6	न्	8	
371	6	अ	1	24
372	6	.	9	9

C6	C7	C8	C9	C10
21	8	2	15	31
22	16	6	20	42
27	14	26	45	97
21	8	2	15	31
26	10	22	40	86
26	10	22	40	86
28	11	30	50	108
21	8	2	15	31
29	17	34	55	119

तावदूनम् ।

C1	C2	C3	C4	C5
373	6	त्	4	
374	6	आ	2	0
375	6	व्	7	
376	6	अ	1	21
377	6	द्	6	
378	6	ऊ	6	288
379	6	न्	8	
380	6	अ	1	24
381	6	म्	9	9

C6	C7	C8	C9	C10
24	12	14	30	64
22	16	6	20	42
27	14	26	45	97
21	8	2	15	31
26	10	22	40	86
26	10	22	40	86
28	11	30	50	108
21	8	2	15	31
29	17	34	55	119

Upsutra 7

यावदूनं

C1	C2	C3	C4	C5
382	7	य्	1	
383	7	आ	2	0
384	7	व्	7	
385	7	अ	1	21
386	7	द्	6	
387	7	ऊ	6	288
388	7	न्	8	
389	7	अ	1	24
390	7	.	9	9

C6	C7	C8	C9	C10
21	8	2	15	31
22	16	6	20	42
27	14	26	45	97
21	8	2	15	31
26	10	22	40	86
26	10	22	40	86
28	11	30	50	108
21	8	2	15	31
29	17	34	55	119

तावदूनीकृत्य

C1	C2	C3	C4	C5
391	7	त्	4	
392	7	आ	2	0
393	7	व्	7	
394	7	अ	1	21
395	7	व्	6	
396	7	ऊ	6	288
397	7	न्	8	
398	7	श्	4	0
399	7	क्	4	
400	7	ऋ	4	0
401	7	त्	4	
402	7	य्	1	
403	7	अ	1	15

C6	C7	C8	C9	C10
24	12	14	30	64
22	16	6	20	42
27	14	26	45	97
21	8	2	15	31
26	10	22	40	86
26	10	22	40	86
28	11	30	50	108
24	12	14	30	64
24	12	14	30	64
24	12	14	30	64
24	12	14	30	64
21	8	2	15	31
21	8	2	15	31

वर्ग

C1	C2	C3	C4	C5
404	7	व्	7	
405	7	अ	1	21
406	7	ँ	3	
407	7	ग्	3	
408	7	अ	1	18
409	7	:	13	32

C6	C7	C8	C9	C10
27	14	26	45	97
21	8	2	15	31
16	8	10	25	53
23	8	10	25	53
21	8	2	15	31
47		34	55	119

च

C1	C2	C3	C4	C5
410	7	व्	2	
411	7	अ	1	6

C6	C7	C8	C9	C10
22	16	6	20	42
21	8	2	15	31

योजयेत् ।

C1	C2	C3	C4	C5
412	7	य्	1	
413	7	ओ	7	105
414	7	ज्	4	
415	7	अ	1	12
416	7	य्	1	
417	7	ए	6	48
418	7	त्	4	4

C6	C7	C8	C9	C10
21	8	2	15	31
27	14	26	45	97
24	12	14	30	64
21	8	2	15	31
21	8	2	15	31
26	10	22	40	86
24	12	14	30	64

Upsutra 8

अन्त्ययोर्दशके'अ'पि ।

C1	C2	C3	C4	C5
419	8	अ	1	3
420	8	न्	8	
421	8	त्	4	
422	8	य्	1	
423	8	अ	1	39
424	8	य्	1	
425	8	ओ	7	105
426	8	ॆ	3	
427	8	द्	6	
428	8	अ	1	27
429	8	श्	2	
430	8	अ	1	6
431	8	क्	4	
432	8	ए	6	192
433	8	प्	5	
434	8	इ	2	0

C6	C7	C8	C9	C10
21	8	2	15	31
28	11	30	50	108
24	12	14	30	64
21	8	2	15	31
21	8	2	15	31
21	8	2	15	31
27	14	26	45	97
16	8	10	25	53
26	10	22	40	86
21	8	2	15	31
22	16	6	20	42
21	8	2	15	31
24	12	14	30	64
26	10	22	40	86
25	15	15	35	75
22	16	6	20	42

Upsutra 9

अन्त्ययोरेव ।

C1	C2	C3	C4	C5
435	9	अ	1	3
436	9	न्	8	
437	9	त्	4	
438	9	य्	1	
439	9	अ	1	39
440	9	य्	1	
441	9	ओ	7	105
442	9	र्	3	
443	9	ए	6	144
444	9	व्	7	
445	9	अ	1	21

C6	C7	C8	C9	C10
21	8	2	15	31
28	11	30	50	108
24	12	14	30	64
21	8	2	15	31
21	8	2	15	31
21	8	2	15	31
27	14	26	45	97
16	8	10	25	53
26	10	22	40	86
27	14	26	45	97
21	8	2	15	31

Upsutra 10

समुच्चयगुणितः ।

C1	C2	C3	C4	C5
446	10	स्	3	
447	10	अ	1	9
448	10	म्	9	
449	10	उ	3	-27
450	10	व्	2	
451	10	व्	2	
452	10	अ	1	12
453	10	य्	1	
454	10	अ	1	3
455	10	ग्	3	
456	10	उ	3	-9
457	10	प्	7	
458	10	इ	2	0
459	10	व्	4	
460	10	अ	1	12
461	10	:	13	32

C6	C7	C8	C9	C10
23	8	10	25	53
21	8	2	15	31
29	17	34	55	119
23	8	10	25	53
22	16	6	20	42
22	16	6	20	42
21	8	2	15	31
21	8	2	15	31
23	8	10	25	53
23	8	10	25	53
27	14	26	45	97
22	16	6	20	42
24	12	14	30	64
21	8	2	15	31
47		50	75	163

Upsutra 11 लोपनस्थापनाभ्याम् ।

C1	C2	C3	C4	C5
462	11	ल्	5	
463	11	ओ	7	525
464	11	प्	5	
465	11	अ	1	15
466	11	न्	8	
467	11	अ	1	24
468	11	स्	3	
469	11	थ्	5	
470	11	आ	2	0
471	11	प्	5	
472	11	अ	1	15
*47 3	11	न्	8	
474	11	आ	2	0
475	11	भ्	8	
476	11	य्	1	
477	11	आ	2	0
478	11	म्	9	9

C6	C7	C8	C9	C10
25	15	15	35	75
27	14	26	45	97
25	15	15	35	75
21	8	2	15	31
28	11	30	50	108
21	8	2	15	31
23	8	10	25	53
25	15	15	35	75
22	16	6	20	42
25	15	15	35	75
21	8	2	15	31
28	11	30	50	108
22	16	6	20	42
28	11	30	50	108
21	8	2	15	31
22	16	6	20	42
29	17	34	55	119

Upsutra 12

विलोकनम्

C1	C2	C3	C4	C5
479	12	व्	7	
480	12	इ	2	0
481	12	ल्	5	
482	12	ओ	7	525
483	12	क्	4	
484	12	अ	1	12
485	12	न्	8	
486	12	अ	1	24
487	12	म्	9	9

C6	C7	C8	C9	C10
27	14	26	45	97
22	16	6	20	42
25	15	18	35	75
27	14	26	45	97
24	12	14	30	64
21	8	2	15	31
28	11	30	50	108
21	8	2	15	31
29	17	34	55	119

Upsutra 13

गुणितसमुच्चयः

C1	C2	C3	C4	C5
488	13	ग्	3	
489	13	उ	3	-9
490	13	प्	7	
491	13	इ	2	0
492	13	त्र	4	
493	13	अ	1	12
494	13	स्	3	
495	13	अ	1	9
496	13	म्	9	
497	13	उ	3	-27
498	13	च्	2	
499	13	च्	2	
500	13	अ	1	12
501	13	य्	1	
502	13	अ	1	3
503	13	:	13	32

C6	C7	C8	C9	C10
23	8	10	25	53
23	8	10	25	53
27	14	26	45	97
22	16	6	20	42
24	12	14	30	64
21	8	2	15	31
23	8	10	25	53
21	8	2	15	31
29	17	34	55	119
23	8	10	25	53
22	16	6	20	42
22	16	6	20	42
21	8	2	15	31
21	8	2	15	31
21	8	2	15	31
47		50	75	163

समुच्चयगुणितः

C1	C2	C3	C4	C5
504	13	स्	3	
505	13	अ	1	9
506	13	म्	9	
507	13	उ	3	-27
508	13	व्	2	
509	13	व्	2	
510	13	अ	1	12
511	13	प्	1	
512	13	अ	1	3
513	13	ग्	3	
514	13	उ	3	-9
515	13	प्	7	
516	13	श्	2	0
517	13	त्	4	
518	13	अ	1	12
519	13	:	13	32

C6	C7	C8	C9	C10
23	8	10	25	53
21	8	2	15	31
29	17	34	55	119
23	8	10	25	53
22	16	6	20	42
22	16	6	20	42
21	8	2	15	31
21	8	2	15	31
21	8	2	15	31
23	8	10	25	53
23	8	10	25	53
27	14	26	45	97
22	16	6	20	42
24	12	14	30	64
21	8	2	15	31
47		50	75	163

Conclusion

First glimpse of very first letter well indicates the intensity of urge and respectful patience expected from us to be parallel with Ancient Wisdom. It is a prolonged journey and simultaneously a very blissful pilgrimage.

Dr. S. K. Kapoor

November 10, 2024