

**Vedic Mathematics, Science & Technology
Teacher Course**

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MANIFESTATION & DE-MANIFESTATION

This day the course focus is upon 'Manifestation & De-manifestation'. Its four folds aspects being taken up are as follows:

- 152. Manifestation and de-manifestation of structural components during split and synthesis of domain fold
- 153. Real 8-space (16, 17, 18 & 19)

The values being covered are to be taught as lessons numbers 152 to 153 to the students of 6-space Vedic Mathematics, Science & Technology.

LESSON-152

**MANIFESTATION AND DE-MANIFESTATION OF
STRUCTURAL COMPONENTS DURING SPLIT AND
SYNTHESIS OF DOMAIN FOLD**

- 1. Cube is a structural set up of 47 components.
- 2. Synthesis of 8 cubes as a cube amounts to $(27 \times 8) = 216$ components making 125 components as 8 sub cubes of a cube of 27 components.

3. Values triple (216, 125, 27) accepts re-organization as (6^3 , 5^3 , 3^3).
4. The difference values pair (91, 98) brings us face to face with the difference values of structures in the process of manifestation de-manifestation.
5. The next stage difference value (98-91) = 7 further bring us face to face with effects of manifestation and de-manifestation of 3-space content along the format of hyper cube 3, the format of a representative regular body of 3-space within 4-space parallel to a format of Idol of Lord Brahma, Creator's supreme.
6. One may have a pause here and take note that 3-space accepts 7 geometric range and parallel to it, there are 7 versions of hyper cube 3/cube.
7. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
8. It would be a blissful exercise to glimpse the manifestation and de-manifestation phenomenon of structural components marking their presence as dimensional frame, boundary components and a domain fold and origin fold.
9. One may have a pause here and take note that 4 folds of hyper cube format bring into space content of 4 consecutive dimensional spaces.
10. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.

11. 4 consecutive space contents simultaneously manifests in their distinct roles as dimension fold, boundary fold, domain fold and origin fold.
12. Here in the context, it would also relevant to take note that 3 space dimensional frame is a set up of 3 dimensions which synthesis distinct values as single, double and triple dimensions.
13. Here it would be relevant to take note that the origin fold is of a dimensional order of one degree higher than that of domain fold.
14. This in a way amounts to going a step ahead of a existing dimensional frame of the domain fold under reference.
15. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
16. One may have a pause here and take note that this feature is of artifices value of quadruple numbers (1, 2, 3, 8) making it parallel to the set up of single, double, triple and quadruple number of dimensions and the phase and stage of 4th dimensions being of a spatial order while first 3 dimensions being of a linear order.
17. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
18. One may have a pause here and to permit the transcending mind to revisit pair of quadruple value (1, 2, 3, 4) and (1, 2, 3, 8).
19. It would be a blissful to take note that number value 4 is a composite number value while first three numbers (1, 2, 3) is the triple of non-composite number.

20. Still further number value 4 is unique as that, $2+2 = 2 \times 2 = (-2) \times (-2)$, and further as that $2^4 = 4^2$.
21. The above values of superimposition of addition and multiplication the further superimposition of multiplication of pair of orientation and still further as that, vertical pairing reflection as well holding.
22. On this feature are not acceptable for other composite number which makes number value 4 and hence artifices 4, and parallel to it 4-space as a unique space.
23. It would be a blissful to take note that real 4-space is the creator's space.
24. Format feature, values and virtues of Idol of Lord Brahma are the format feature values and virtues of creation format.
25. It settles hypercube 4 format as the manifested creation format.
26. Hyper cube 4 accepts domain boundary formulation **$a^4:8b^3$** .
27. With it, hyper cube 4 domain gets enveloped within a solid boundary of 8 components.
28. It that way fixes the boundary of 8 components in terms of $(8 \times 4) = 32$ coordinates within dimensional frame of 4-space.
29. As 4-space is a spatial dimensional frame as such 32 spatial coordinate gives rise to value $(32 \times 2) = 64$, which is the value of 4-space playing the role of dimensions of 6-space.
30. Further as that, a pair of creative order transcendence ranges synthesis value is 64.
31. Still further as that, $32 = 2^5$ is parallel to the 32 options for reach at value 6 by making choices from within values range (1, 2, 3, 4, 5, 6).

32. Still further it would be relevant to take note that Sathapatya Ved settles 32 external gods.
33. And internal gods are 13 in number
34. It would be relevant to take note that 6-space as 13 geometric range and parallel to it, there are 13 version of hyper cube 6.
35. Further, within 4-space domain, 12edged cube manifests 13th edged.
36. Still further values pair (13, 31) and (1³, 3¹) constitute reflection pair of values of horizontal and vertical format.
37. Still further that $(32+13) = 45 = (1+2+3+4+5+6+7+8+9)$ is parallel to 9 geometric range.



LESSON-153

REAL 8-SPACE (16, 17, 18, 19)

1. Natural boundary of 16 components of Brahman domain deserves to be glimpsed.
2. Parallel to it, the values of number value 16 as well deserve to be glimpsed.
3. Number value 16 deserves to be chased for its sequential strings [(16), (16, 17), (16, 17, 18), (16, 17, 18, 19), (16, 17, 18, 19, 20), (16, 17, 18, 19, 20, 21), (16, 17, 18, 19, 20, 21 ...)].
4. Quadruples value (16, 17, 18, 19) string on its chase, will also brings us face to face with 4 folds manifestation layers (16, 17, 18, 19) of hyper cube 18 format.

5. One may have a pause here and take note that summation value $(16+17+18+19) = 70$, is parallel to domain split spectrum entities (70) at fifth stage of split: (1, 2, 5, 12, 29, 70).
6. It would be blissful to take note that number value 30 permits re-organization as $30 = (35 + 35) = (5 \times 7 + 7 \times 5)$.
7. Still further it also would be relevant to take note that number value 70 makes a dimension, domain format as pair of values (70, 72) with organization for number value $72 = (6 \times 12)$ goes parallel to fixation of transcendental boundary of 12 components of self-referral domain within creative dimensional frame of 6 dimensional frame.
8. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
9. One shall sit comfortable and permit the transcending mind to continuously remain in prolonged sitting of trans and to sequentially chase a quadruples values (16, 17, 18, 19) string in terms of sequential availability of artifices $[(16), (16 + 17 = 33), (33 + 18 = 51) \text{ and } (51 + 19 = 70)]$.
10. Number value 16 and its 16 artifices on their chase shall be bringing us face to face with their features.
11. Amongst others, the following features of number value 16 and artifices 16 deserve to be comprehended well and to imbibed fully:
 - i. $16 = 2^4$.
 - ii. $16 = 4^2$.

- iii. The string of values (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16) will lead to 2^{15} number of choices for making summation value 16.
 - iv. Organization $16 = (1+15, 2+14 \dots, 9+7, \dots)$ leads to internal organization features.
 - v. The organization feature $16 = (10+6)$ will further organization $10 = (1 + 2 + 3 + 4)$ and further $6 = (0 + 1 + 2 + 3)$ lead to parallel format of hyper cube 3 and hyper cube 2 respectfully.
 - vi. The organization feature ($16 = 9+7$) leads to the parallel format of the text of Ganita Sutra 1 as a composition of pair of words formulations of 9 and 7 letters respectively.
 - vii. $16 = (2 \times 2 \times 2 \times 2) = (2 \times 2 \times 2 + 2 + 2 + 2 + 2)$ and the same is parallel to the TCV values equations $TCV (Ek) = TCV (triya) = TCV (dwaya)$.
12. It is blissful exercise to in list and to tabulate the internal organization of formulations of TCV 16.
 13. It would further be very blissful to glimpse common format feature of formulation of TCV value 16 each.
 14. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
 15. A step ahead it would be blissful to take note that quadruples value (16, 17, 18, 19) permits re-organization as $(2 \times 8, 2 \times 8 + 1, 2 \times 9, 2 \times 9 + 1)$.
 16. It would be a blissful to take note that above organization is parallel to sequential organization of 16 boundary components and 17 geometries range of 8-space, and 18 boundary components and 19 geometries range of 9-space.

17. It is this reach which amounts to attainment of bridging of the gaps of the formats of 8-space and 9-space set ups along the format of hyper cube 8 and hyper cube 9 being available simultaneously.
18. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
19. It would be a blissful exercise to revisit quadruples value (16, 17, 18, 19) and its regrouping as (16, 18) and (17, 19) of the common format of (dimension, domain).
20. It would be a blissful to take note that the values pair (17, 19) is parallel to the organization of solar universe as a pair of hemi-sphere of placement value (17, 19).
21. Still further, it would be a blissful to take note that number value 17 is parallel to transcendental code value 17.
22. It would be a blissful to take note that formulation aatma accepts transcendental code value 17.
23. Still further, it would be a blissful to take note that formulation dwar (door) accepts transcendental code value 19.
24. One may have a pause here and to permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse dwar (door) for attma (soul).
25. Sadhakas fulfilled with intensity of urge to know and to explore further shall glimpse this phenomenon further, the way aatma through dwar reaches back and completes the cycle.
26. It would further be a blissful exercise to revisit quadruples value (14, 15, 16, 17) with number value 14

being parallel to the transcendental code value of shreer (body) and number value 17 being parallel to transcendental code value of formulation aatma (soul).

27. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
28. Sadhakas further fulfilled with intensity of urge to know and to explore further shall revisit the values quadruple 11, 12, 13, 14) with number value 11 re-accepting organization number value 11 of 5-space in the role of origin of 4-space, while number value 14 accepting re-organization as $14 = (2 + 3 + 4 + 5)$ parallel to 4 folds manifestation layers (2, 3, 4, 5) of hyper cube 4, the representative regular body of 4-space.
29. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
30. Sadhakas further fulfilled with intensity of urge to know and to explore further shall revisit the value quadruple (8, 9, 10, 11) with number value 8 permitting re-organization as (3+5) and number value 11 permitting re-organization as (3+5+3).
31. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.
32. One may have a pause here and take note that hyper cube 5 accepts 4 folds manifestation layer format (3, 4, 5, 6) with 3-space in the role of dimension, and 5-space in the role of domain.

33. It is this interrelationship of value pair (3, 5), in its both orientation (3, 5) and (5, 3) and their unification parallel to the unification of values of synthesis of a pair of 3 dimensional frames of half dimensions synthesis and unifying as a 3 dimensional frame of full dimensions.
34. It would be a blissful to chase this phenomenon of synthesis and unification of a pair of 3 dimensional frames of half dimensions embedded in the corner points of the internal diagonal of the cube superimposed upon the corner point of the cube.
35. It is the translation path of the format of internal diagonal of a cube passing through centre of the cube as a seat of compactified origins which deserves to be comprehended well and to be fully imbibed for their complete appreciation to have proper insight and further to attain appropriate enlightenment of this phenomenon.
36. One shall sit comfortably and permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse and imbibe the above formats features and values.

