Sri – Om
VEDIC MATHEMATICS AWARENESS YEAR

'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 17

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www.vedicganita.org

Intelligence Growth Fourth phase

1. We reach fourth phase of the intelligence growth steps.
2. This phase of intelligence growth as well is of four steps, namely:
   i. Reach from the present stage to previous state as well as to the future state
   ii. Unfolding of the existing state for its reach to previous state as a sequential reach.
   iii. To have sequential increase of intelligence growth
   iv. To intensify the intelligence growth.
3. These four steps of intelligence growth of the present fourth phase is parallel to Ganita Sutras 13 to 16 respectively.
4. The formats and working values of Ganita Sutras 13 to16 may be availed for intelligence growth steps of the present phase.

First step
Reach from the present stage to previous state as well as to the future state

1. This step of intelligence growth as first focus upon the existing intelligence state.

2. It is only with proper evaluation of the existing state of intelligence that further steps can be planned.

3. To have evaluation of the existing state of intelligence, in itself is a very delicate exercise.

4. This being so, the parents and teachers undertaking the exercise to help young minds to have proper intelligence growth shall come up to the expectations of capacities to have evaluation of existing state of intelligence.

5. For it, one way would be to see the degree of success with which the child reaches back to the previous stage of learning.

6. It is the degree of ease with which the child can reach the previous stage of learning, the same shall be going to be the intelligence index of the child.

7. This way going sequentially back will provide a parameter for the intelligence index.

8. This parameter can be sequentially applied for going back and coming forward from the previous states to the existing state of intelligence.

9. It is this two fold approach of going back as well as coming forward, which can be availed for the ensured sequential progression for the intelligence growth.

10.   The parents and teachers may expose the young minds to the format and values of Ganita Sutra 13.

<div align="right">*</div>

Ganita Sutra 13

<div align="center">(सोपान्त्यद्वयमन्तम्)</div>

<div align="center">The ultimate and twice the penultimate</div>

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
सॣ	ओ	प्ॣ	आ	न्ॣ	त्ॣ	य्ॣ	अ	द्ॣ	व्ॣ
11	12	13	14	15	16	17	18	19	20
अ	य्ॣ	अ	न्ॣ	अ	न्ॣ	त्ॣ	य्ॣ	अ	म्ॣ

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

Letters							
1	2	3	4	5	6	7	8
सॣ	ओ	प्ॣ	आ	न्ॣ	त्ॣ	य्ॣ	अ
Word सोपान्त्य् (End of domain)							

Letters					
9	10	11	12	13	14
दू	वू	ट	यू	अ	मू
Word **द्वयमू** (twice/two fold in pairs)					

Letters					
15	16	17	18	19	20
अ	नू	तू	यू	अ	मू
Word **अन्त्यमू** (ending/ends/at the end/boundary)					

v. Reach at the working rule of Sutra.

  'Domain being of double value at the end/boundary'

1. This precisely helps to settle the domain boundary ratio of hyper cubes.
2. This further helps to provide insight about the set ups of hyper cubes in general and of origin fold of hyper cube in particular.
3. It is the two fold transcendence at the origin which deserve to be comprehended well.
4. It is the transcendence through the origin fold as well as the ascendance through the origin fold which deserve to be distinctively comprehended.
5. This would further help comprehend two fold flow from center of sphere towards both hemispheres.
6. It would further help appreciate the split of boundary into a pair of equal but of opposite orientation parts.
7. This format would further help us work out help us to work out Earth as a pair of hemispheres.
8. Likewise moon and Sun as well would permit chase as set ups of a pair of parts.
9. Still further this format would help us approach as of left and right part.

<div align="right">*</div>

25-10-2014   Dr. S. K. Kapoor, *(Ved Ratan)*

Vedic Mathematics Awareness

To Satisfy Urge to reach at Vedic Systems

Dr. S. K. Kapoor (Ved Ratan)

Lecture - 1
DIVYA GANGA FLOW

(Concept: Divya Ganga flow is of quadruple artifices (9, 7, 3, 1) parallel to flow of light through the components of sole syllable Om. It is the basic concept of VMS & T. It is at the base of settlement of organization formats of knowledge and enlightenment of Srimad Bhagwad Geeta as well as of Samved Samhita. During this lecture, the following outline is drawn as a pre-exposure for the participants who shall be attending the lectures. The steps of the lectures would be elaborated during the lecture. Attempt has been made to depict infigurative form as figures 1 to 70 in respect of Srimad Bhagwad and figures 1 to 56 in respect of Samved Samhita. Help of these figures would be taken elaborate the steps.

1.1   VED

1.   Ved means 'knowledge' as well as 'to know'.
2.   It is this second feature, that is, 'to know', which approaches 'knowledge' as organization of knowledge.
3.   To satisfy urge to reach at Vedic Systems, the chase is of the organization of knowledge.
4.   Knowledge and organization of knowledge are a pair of aspects of knowledge but at the same time these not only parallel to each other but also complement and supplement each other.
5.   One stitching thread of Vedic knowledge in terms of which the organization aspect of Vedic knowledge may bring us face to face with this aspect comes to be that: (a) to (f)
    a.   Originally there was single Ved.
    b.   Braham Rishi Ved Vyas re-orginzed as singe ved as four Vedas Rik, Yaju, Sam and Atharv veda.
    c.   Each Ved has distinct Samita Brahmana, Arnik and Upshinad.
    d.   Rikved has 21 branches, yajurved has 101 branches, Samved as 100 branches And Ahtarvved has 9 branches
    e.   This organization leads to 1131 Samhitas, 1131 Brahmana, 11 Arniks and 1131 Upnishads.
   f.   As such to satisfy the urge to reach, there would be a need to be through this range of 4524 Scriptures.

6. It is the inner evidence of Vedic knowledge reaching us in Sanskrit language reaching us in Sanskrit language of Devnagri alphabet brings us face to face with above features.

7. All the above referred 4524 scriptures have not reached us, 'but' never the less it is a lively tradition that Sakala Rigved Samhita, is one scripture which is in with us from its first syllable to last 432000th syllable. And that whole range of Vedic knowledge of whole range of 4524 scriptures can be re-constructed.

8. When one takes a pause and reflects about the genesis of above tradition of faith, one acquires hope that this can be attained in terms of values and features of organization of knowledge having Vedic Systems at their format.

9. To go for search of values and features of organization of Vedic knowledge to have insight for comprehension of formats of organization of knowledge in terms of it may be faithfully hoped that the urge to reach at Vedic systems may be satisfied.

10. This bring so, we shall attend to the following features of Vedic literature available with us (a) to (d)

   a. There are four upvedas namely Ayur upved, Dhanur upved, Ghandarav upved and Sathapathya upved.

   b. There are six Upangas namely Shiksha, Vyakaan, Nirukat (Nighantu, Chnadas, Jyotish and Kalap).

   c. There are 6 Darhshan: Sankhiya, Yoga, Vaishashik, Nyaye, Mimansa and Braham Sutra.

   d. There is vedantrai: Upnishads, Braham Sutra, Shrimad Bhagwad Geeta
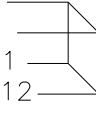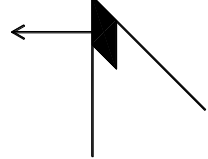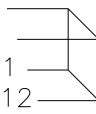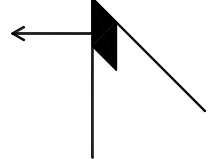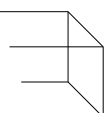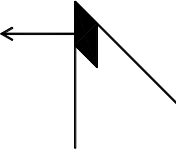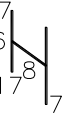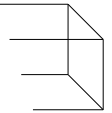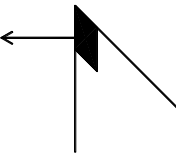
1.2   Vedas to Vedanta
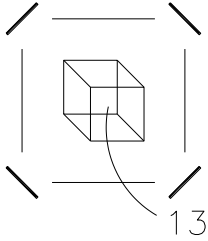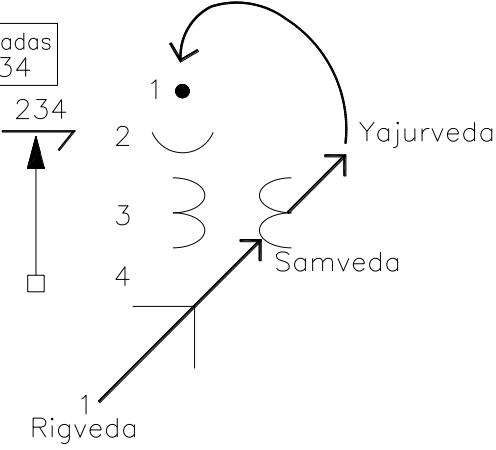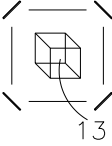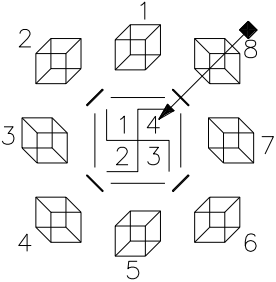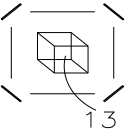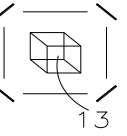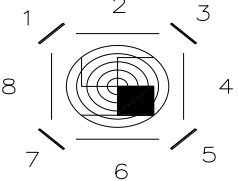
1. Upnishads are accepted as essence of Vedas; Vedic knowledge as well as organization of Vedic knowledge.

2. Essence of Upanishads is Braham Sutra.

3. Srimad Bhagwad Geeta is the essence of Braham Sutra.

4. Upanishads, Braham Sutra and Srimad Bhagwad Geeta are together designated and known as Vedantatri.

5. Srimad Bhagwad Geeta as essence of 'Vedantatri', in its organization format leads us values and virtues of Vedic Systems.

6. Srimad Bhagwad Geeta is organized as 18 Yogas.

7. Colophon (Pushika) of each Yoga chapter brings us face to face with transcendental virtues and bliss of Yoga.

8. From title to colophone, whole organization is formulated a flow of path of transcendental (5-space) carriers of Sunlight straight from the core of Sun.

9. The outline of this format is manifestation of Divya Ganga flow expressing through artifices of sole syllable Om (ॐ) as under:
    i.   Bindu Sarovar within Pancham Variti
    ii.   Ardhamatra of SapatDhara
    iii. Tripundam of Vishnu lok.
    iv.   Swastik pada Churning
    v.   Transcendental (5-space) origin
10. Sequentially emerging formats of 18 Yogas of Srimad Bhagwad text organization come to be:

Geeta figure

4

Chapters	Padas	Aksharas	Chapter: 9 – 12	Chapter: 6–8	Chapter: 1–5
13	3	8	Chapter–9 Chapter–10 Chapter–11 Chapter–12		
14	3	8			
15	3	8			

Chapter–13
Chapter–14
Chapter–15

Solid contents
2x2x2 = 8

Chapter–9
Chapter–10
Chapter–11
Chapter–12

5

Chapters	Padas	Aksharas	Chapter 13–15	Chapter 9–12	Chapter 6–8	Chapter 1–5
16	3	7				
17	3	8				
18	3	7				

Chapter–16 7
Chapter–17 8 7
Chapter–18

6

Chapters	Padas	Aksharas	
1	3	7	
2	3	7	
3	3	7	
4	3	7	
5	3	7	
6	3	6	
7	3	7	
8	3	6	
9	3	7	
10	3	7	
11	3	7	
12	3	7	
13	3	8	
14	3	8	
15	3	8	
16	3	7	
17	3	8	
18	3	7	

7

Pushpikas' Padas
    13

13

8

Pushpikas' total Padas
18 x 13 = 234

234

1

2

3

4

Yajurveda

Samveda

Gita: 9,17

1

Rigveda

9

Pushpika

Chapters	Padas	Aksharas
1	13	48

13

1

2

8

3

1 4
2 3

7

4

5

6

10

Pushpika

Chapters	Padas	Aksharas
2	13	45
3	13	45

Chapters—2

Chapters—3

13

13

9x5=45

1   2   3

8   4

7   6   5

11

Pushpika

Chapters	Padas	Aksharas
4	13	50

13

a^5
4
10a

10 1
9   2
8   卐   3
7   4
6 5

10x5=50

12

Format

1
4 3 2
5
6 11
9 10 12
7
8

13

Pushpika

Chapters	Padas	Aksharas
5	13	48

13

卐

2   8

3   1 4   7
    2 3

4   6
    5

14

<u>Pushpika</u>

Chapters	Padas	Aksharas
6	13	47

13

7	6
8		5
9		4
10		3
1	2

40+7=47

10x4=40
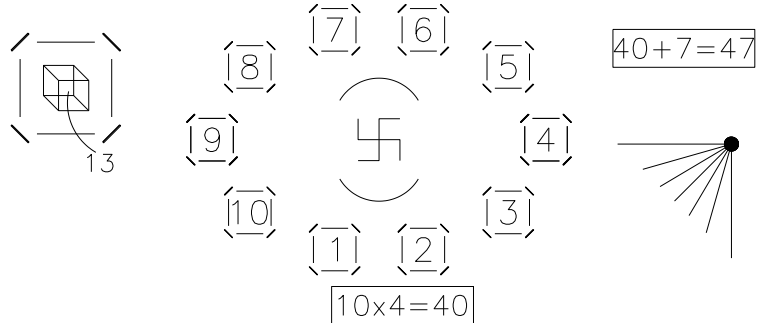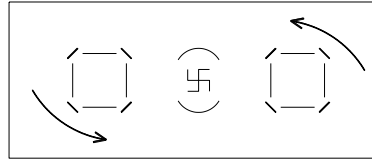
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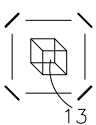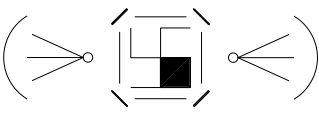
<u>Pushpika</u>

Chapters	Padas	Aksharas
7	13	48

13

Chapter—7

Chapter—1   Chapter—5

| 1 | 4 |
| 2 | 3 |

7	6
8		5
9		4
10		3
1	2
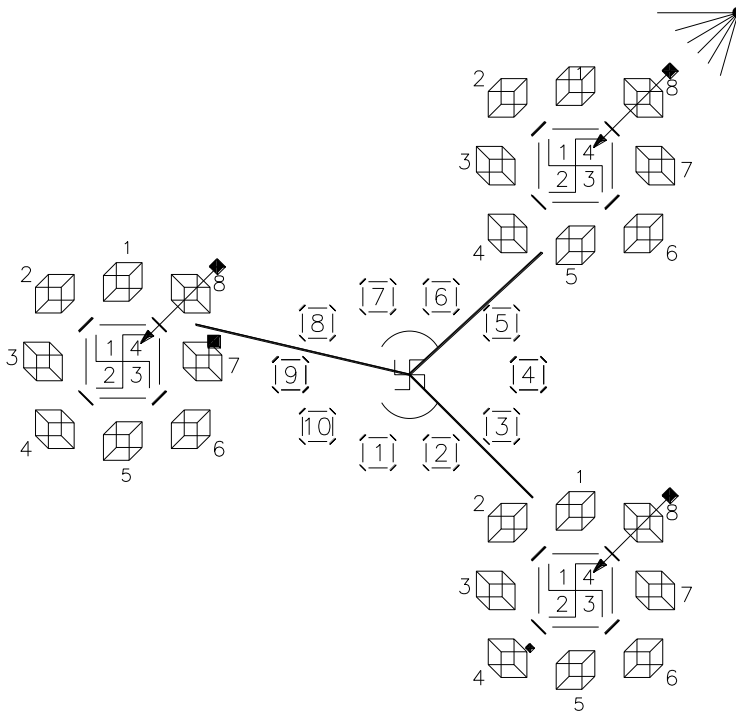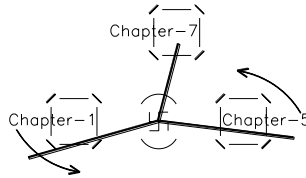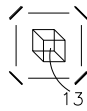
16

Pushpika

Chapters	Padas	Aksharas
8	13	47

13
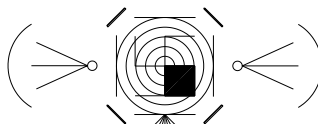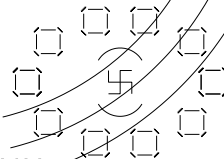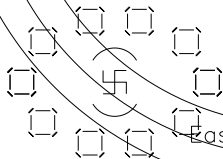
Chapter—6
4$\boxed{0+7 = 4}$7

Chapter—8
4$\boxed{0+7 = 4}$7

Westward three
Streams

Eastward three
Streams
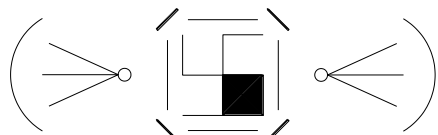
Central streams

17
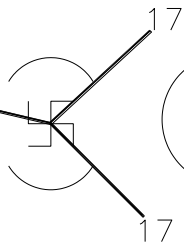
Pushpika
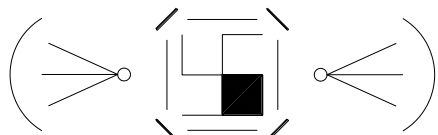
Chapters	Padas	Aksharas
8	13	47
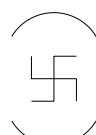
Positional — values

17   18   19

17
17

17

$\boxed{17x3 = 15}$

18

Pushpika

Chapters	Padas	Aksharas
10	13	46

13

6
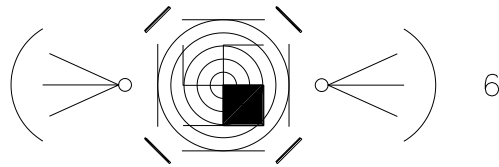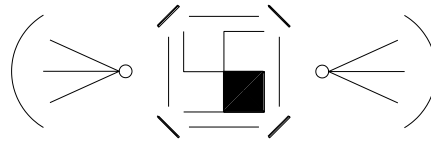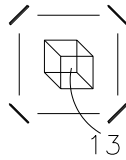
40+6=46

10x4=40

19
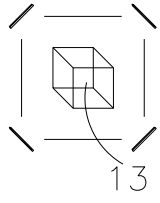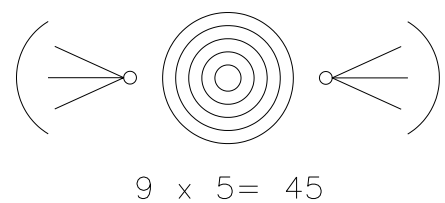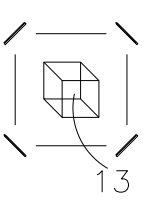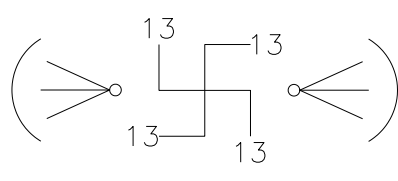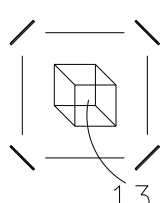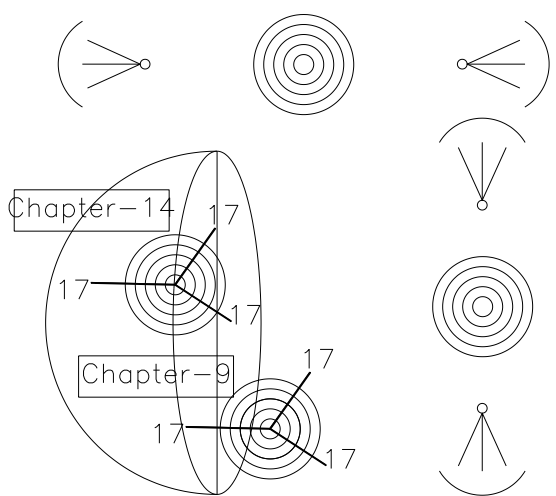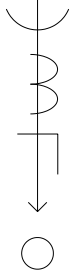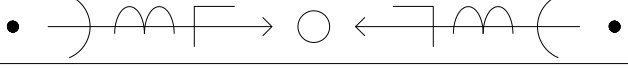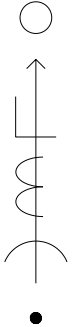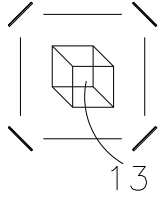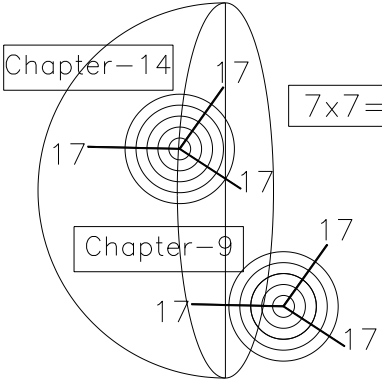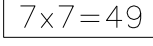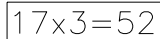
Pushpika

Chapters	Padas	Aksharas
11	13	50
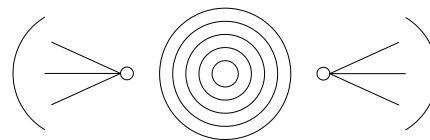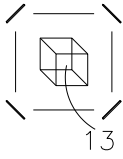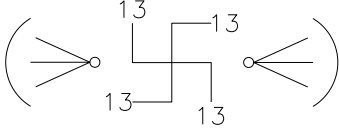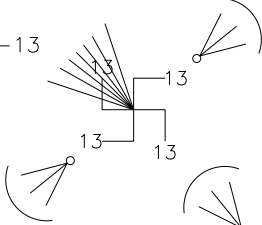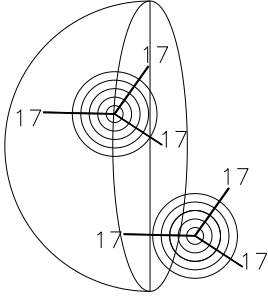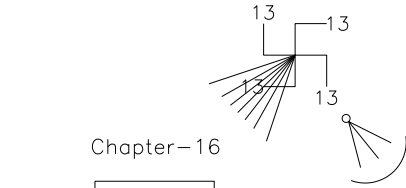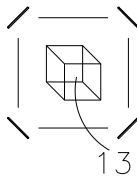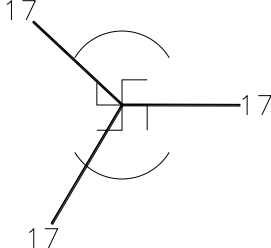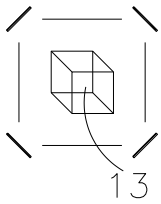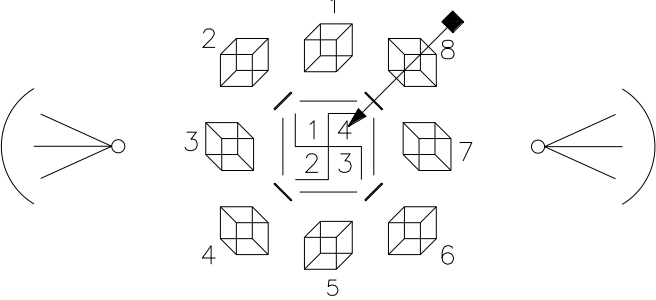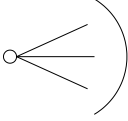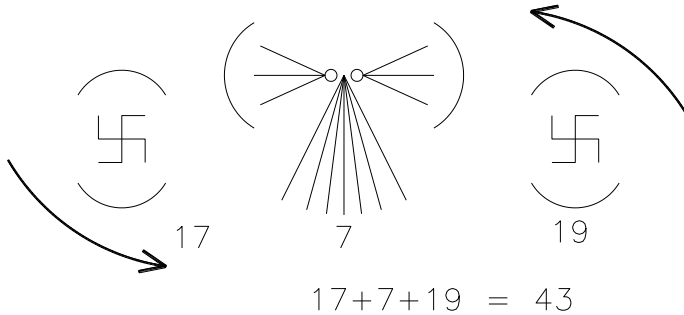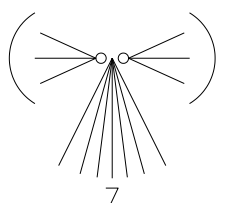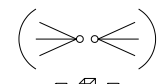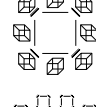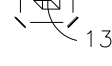
10 x 5= 50
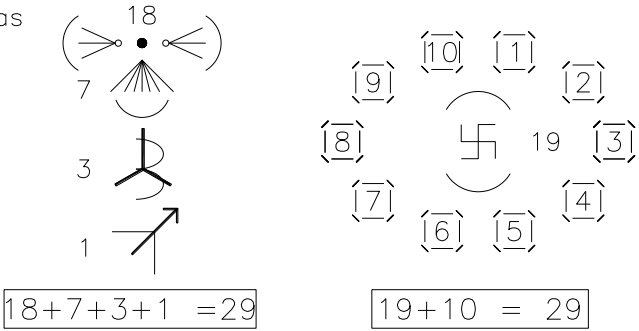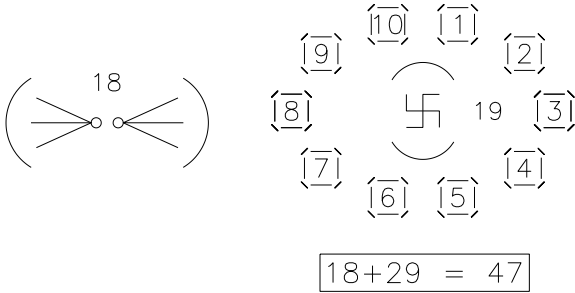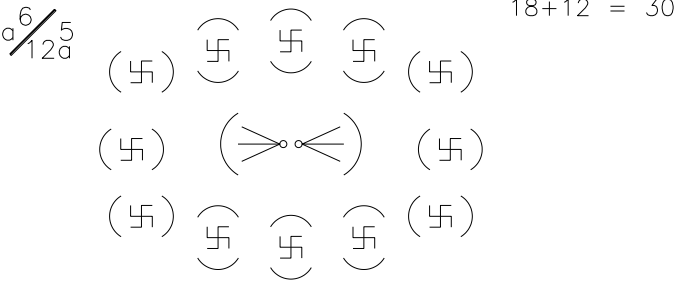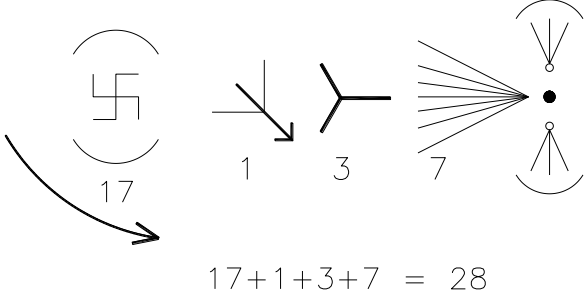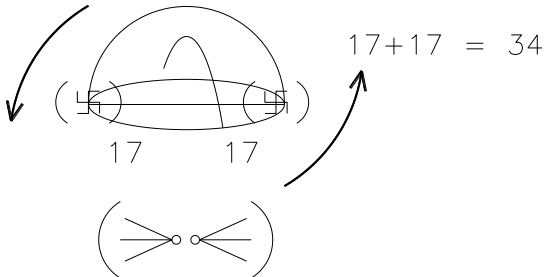
20

Pushpika

Chapters	Padas	Aksharas
12	13	45

13

9 x 5= 45

21

Pushpika

Chapters	Padas	Aksharas
13	13	52

13

9+4=13

13   13
13   13

13x4=52

22

Pushpika

Chapters	Padas	Aksharas
14	13	51

13

Chapter—14   17
17   17

Chapter—9   17
17   17

17x3=51

23

Om
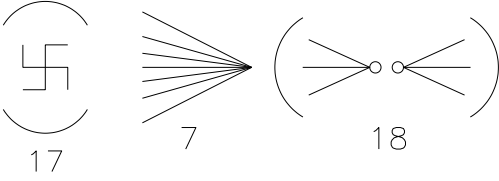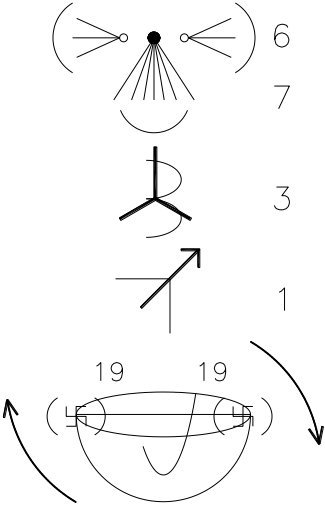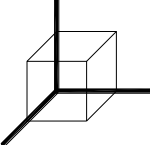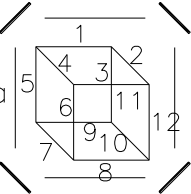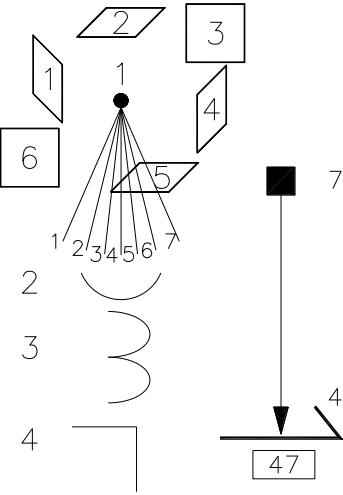
9 Swaras

1   2   3   4   5   6   7   8   9

Consonents

Vargas

1   2   3   4   5

others

1	2	3	4
8	7	6	5
9	10	11	12
16	15	14	13

4
3
2
1

Starting Point

Parnava

End point

24

Pushpika

Chapters	Padas	Aksharas
15	13	49

13

Chapter—14

17

17

17

7x7=49

Chapter—9

17

17

17

17x3=52
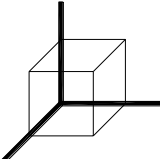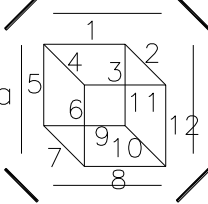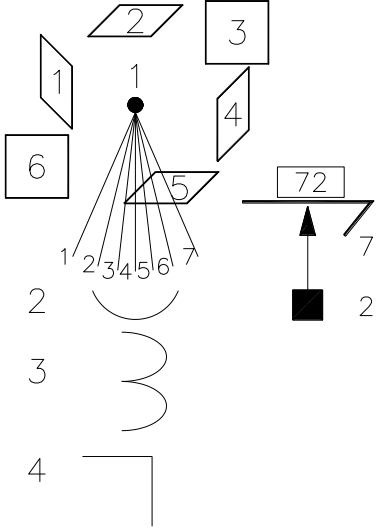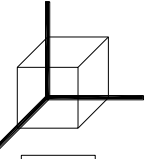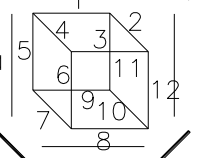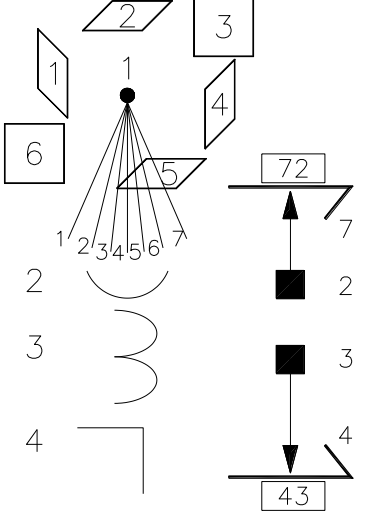
25

Pushpika

Chapters	Padas	Aksharas
16	13	52

9 + 4 = 13

13   13
13   13

13

Chapter—13

13   13
13   13

17
17   17
17
17   17

13   13
13   13

Chapter—16

17x3=52

26

Pushpika

Chapters	Padas	Aksharas
17	13	51

13

17

17

17

17 x 3 = 51

27

Pushpika

Chapters	Padas	Aksharas
18	13	48

13

1
2   8
3   1 4   7
        2 3
4   5   6

28

PUSHPIKA

Aksharas
873

5   6   7
4   8
3   2   6

873

7

3 ■

29

Northern
hemi—sphere

Sun

Southern
hemi—sphere

17

18

19

30

Chapters Shalokas

1   47

7
+
3
+
1

17

19

17+11+19 = 47

31

Chapters Shalokas

2   72

a6/12a 5

12 x 6 = 72
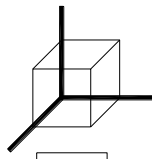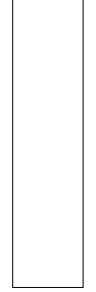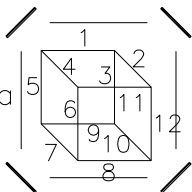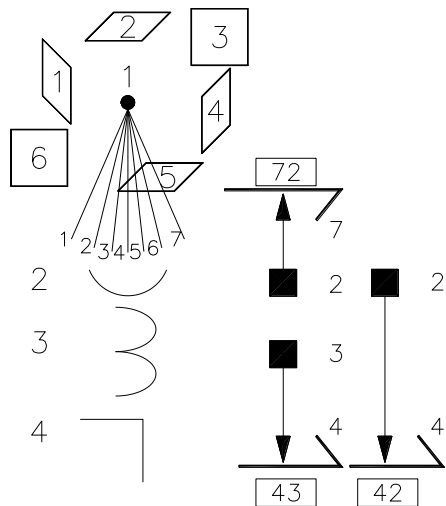
32

Chapters   Shalokas
   3   43

17

7

19

17+7+19 = 43

33

Chapters   Shalokas
   4   42

6

6 x 7 = 42

7

34

Sr.No.	Concept	Symbol
1.	4–Space	
2.	5–Space	
3.	6–Space	
4.	4–space regular body	
5.	5–space regular body	
6.	6–space regular body	
7.	3–space regular body	
8.	2–space regular body	
9.	1–space regular body	
10.	Hypercube–4	13

35	Chapters Shalokas

35

Chapters   Shalokas
  5   29

18
7
3
1

a $\frac{5}{10a}$ 4

[10] [1]
[9]   [2]
[8]   卐   19 [3]
[7]   [4]
   [6] [5]

$18+7+3+1 = 29$ $19+10 = 29$

36

Chapters Shalokas
  6   47

18

[10] [1]
[9]   [2]
[8]   卐   19 [3]
[7]   [4]
   [6] [5]

$18+29 = 47$

37

Chapters Shalokas
  7   30   a $\frac{6}{12a}$ 5

$18+12 = 30$

(卐) 卐 卐 卐 (卐)
(卐) (><) (卐)
(卐) 卐 卐 卐 (卐)

38

Chapters Shalokas
  8   28

卐
17

1   3   7

$17+1+3+7 = 28$

39

Chapters Shalokas
  9   34

Northern Hemi−sphere

17   17

$17+17 = 34$
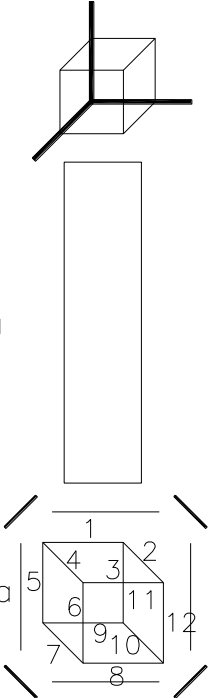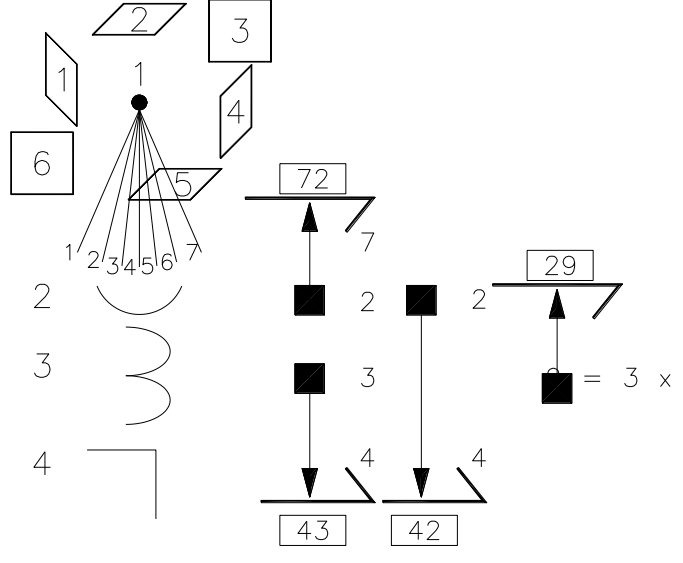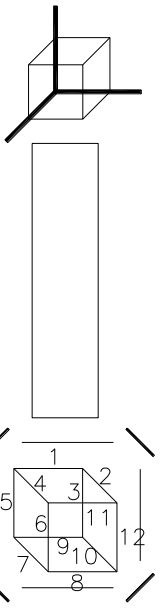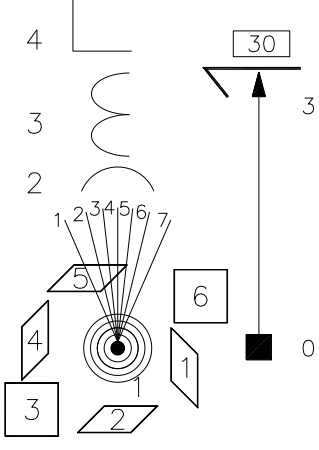
40

Chapters   Shalokas

   10   42

17   7   18

17 + 7 + 18 = 42

41

6 + 7 + 3 + 1 + 19 + 19 = 55

Chapters   Shalokas

   11   55

6

7

3

1

19   19

42

Format	Chapter—1 Shaloka—47

Ath
अथ

श्लोक :
Shaloka

पुष्पिका
Pushpika

1
2
3
4

2
3
1
4
6
5
7

1
2
3
4
5
6
7

47

43

Format	Chapter—2	Shaloka—72

Ath
अथ

श्लोक :
Shaloka

पुष्पिका
Pushpika

44

Format	Chapter—3	Shaloka—43
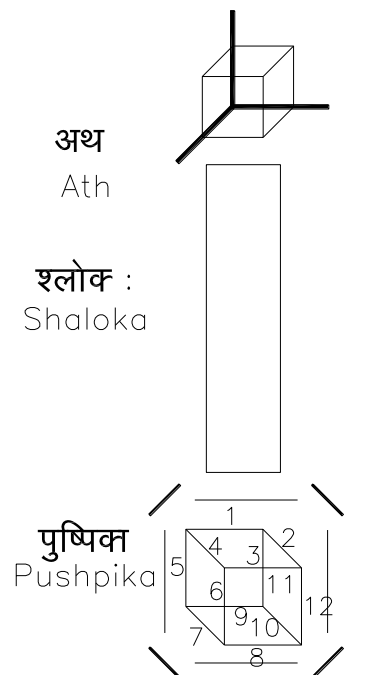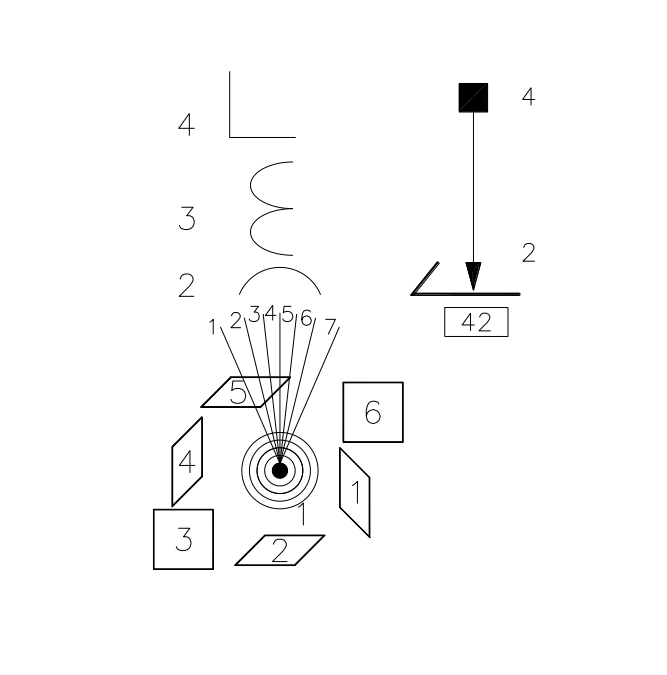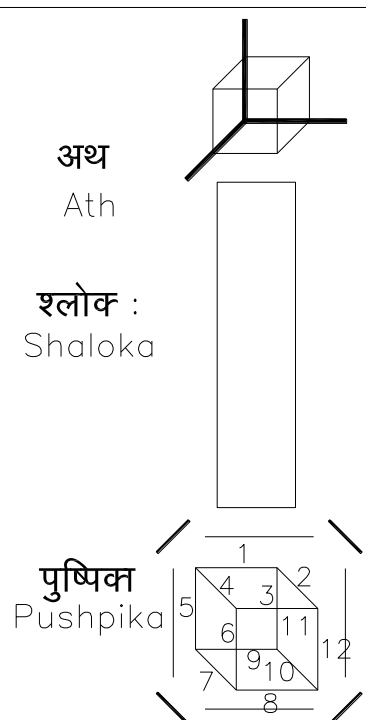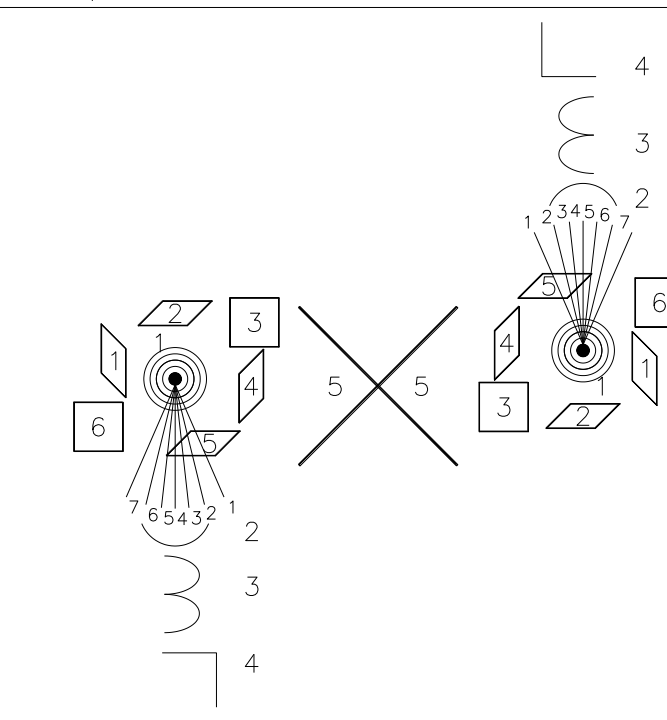
Ath
अथ

श्लोक :
Shaloka

पुष्पिका
Pushpika

| 45 | Srimad Bhagwad Gita Study — Zone |

Srimad Bhagwad Gita Study – Zone

$\dfrac{a}{2}$	$\dfrac{a^2}{4a}$	$\dfrac{a^3}{6a^2}$	$\dfrac{a^4}{8a^3}$	$\dfrac{a^5}{10a^4}$	$\dfrac{a^6}{12a^5}$	$\dfrac{a^5}{10a^4}$	$\dfrac{a^2}{8a}$	$\dfrac{a^3}{6a^2}$	$\dfrac{a^4}{4a^3}$	
				10x5=50 50x7=350		10x5=50 50x7=350				
2x1 =2	4x2 =8	6x3 =18	8x4 =32				8x4 =32	6x3 =18	4x2 =8	2x1 =2

Orbitals				350+350=700	
2	6	10	14	18=5+6+7	

46	Format	Chapter—4	Shaloka—42

Format

Ath
अथ

श्लोक :
Shaloka

पुष्पिक
Pushpika

72

43   42

47 | Format | Chapter—4 | Shaloka—42

अथ
Ath

श्लोक :
Shaloka

पुष्पिक
Pushpika

48 | Format | Chapter—5 | Shaloka—29

अथ
Ath

श्लोक :
Shaloka

पुष्पिक
Pushpika

= 3 x

49

Format	Chapter—5	Shaloka—29

अथ
Ath

श्लोक :
Shaloka

पुष्पिक
Pushpika

50
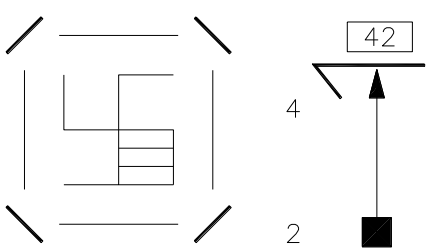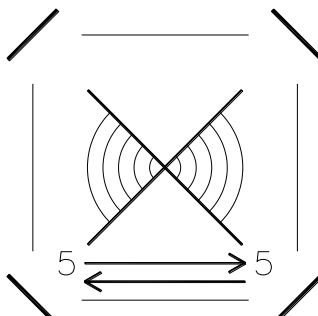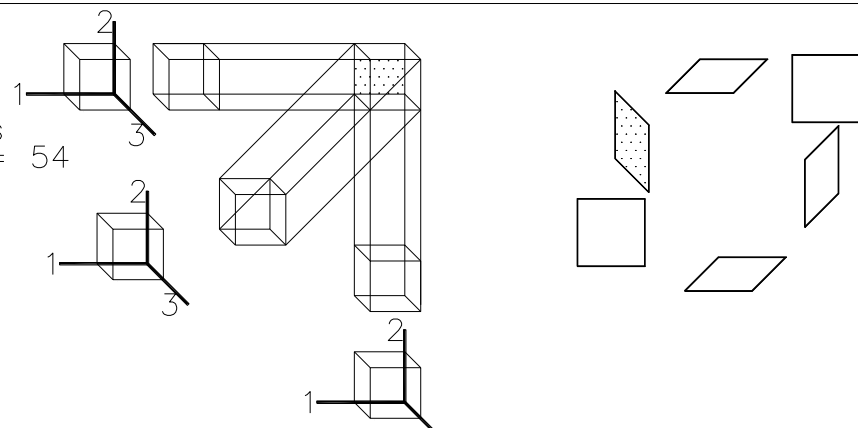
Format	Chapter—7	Shaloka—30

अथ
Ath

श्लोक :
Shaloka

पुष्पिक
Pushpika

51

Format	Chapter—8	Shaloka—28

अथ
Ath

श्लोक :
Shaloka

पुष्पिक
Pushpika

52

Format	Chapter—9	Shaloka—34
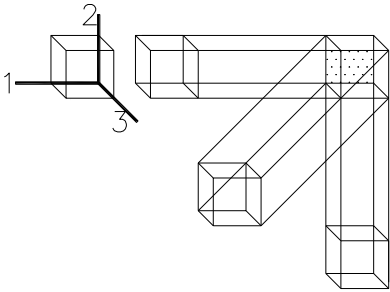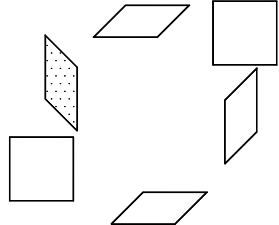
अथ
Ath

श्लोक :
Shaloka

पुष्पिक
Pushpika

53	Format	Chapter−10	Shaloka−42

अथ
Ath

श्लोक :
Shaloka

पुष्पिक
Pushpika

54	Format	Chapter−11	Shaloka−55

अथ
Ath

श्लोक :
Shaloka

पुष्पिक
Pushpika

55

Chapter—1

Shalokas—47

SUN

Seven streams

Original point

7

4

47

56

Chapters
6 x 3 = 18

3

1

2

57

Chapter—2

Shalokas—72

7

2

72

Constituent of fourth
dimensional frame

58

Chapter—3

Shalokas—43

3

59

Chapter—4

Shalokas—42

42

4

2

60	Chapter—5 Shalokas—29	
61	Chapter—6 Shalokas—47	
62	Chapter—7 Shalokas—30	
63	Chapter—8 Shalokas—28	
64	Chapter—9 Shalokas—34	
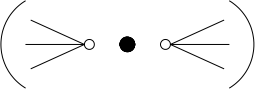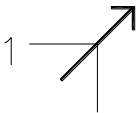
65

Chapter—10

Shalokas—42

42

4

2

66

Chapter—11

Shalokas—55

5   5

67

2

1

3

Padas
18 x 3 = 54

2

1

3

2

1

68

Srimad Bhagwad Gita
Study — Zone

$\dfrac{a}{2}$	$\dfrac{a^2}{4a}$	$\dfrac{a^3}{6a^2}$	$\dfrac{a^4}{8a^3}$	$\dfrac{a^5}{10a^4}$	$\dfrac{a^6}{12a^5}$	$\dfrac{a^5}{10a^4}$	$\dfrac{a^2}{8a}$	$\dfrac{a^3}{6a^2}$	$\dfrac{a^4}{4a^3}$	$\dfrac{a}{2}$
				10x5=50		10x5=50				
				50x7=350		50x7=350				
2x1 =2	4x2 =8	6x3 =18	8x4 =32				8x4 =32	6x3 =18	4x2 =8	2x1 =2
Orbitals				350+350=700						
2	6	10	14	18=5+6+7						

69	Chapters — 1 to 5

Chapters	Padas	Aksharas
1	3	7
2	3	7
3	3	7
4	3	7
5	3	7

Sun

Seven streams

| 70	Chapter—1 Padas—3

11. Lord Krishna, incarnation of Lord Krishna, in Srimad Bhagwad Geeta, as Divine song sings as Samagan:
    "Amongst vedas, I am Samved"

12. Organization of Samved Samhita leads us to: the following formats.

Samved figure

1	Sun Seat of Brahm 6Dvya Ganga Flow

Sole Syllable

Avyakto—Avyaktat

2	Framed domain	Domain	Frame	Constituent of dimesional frame

3	Framed domain	Domain	Frame	Constituent of dimesional frame

4	Framed domain	Domain	Frame	Constituent of dimesional frame

5	Framed domain	Domain	Frame	Constituent of dimesional frame
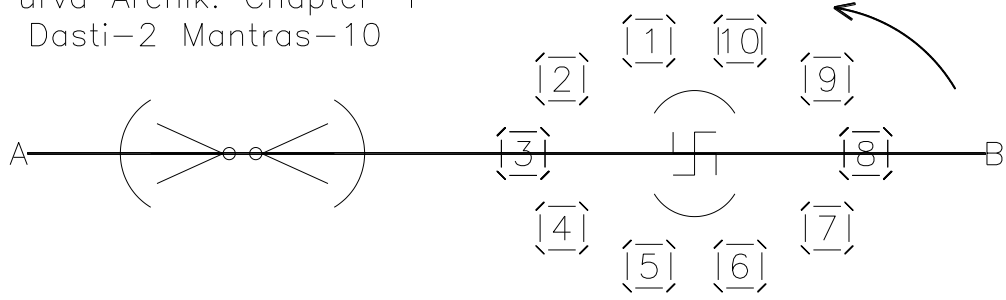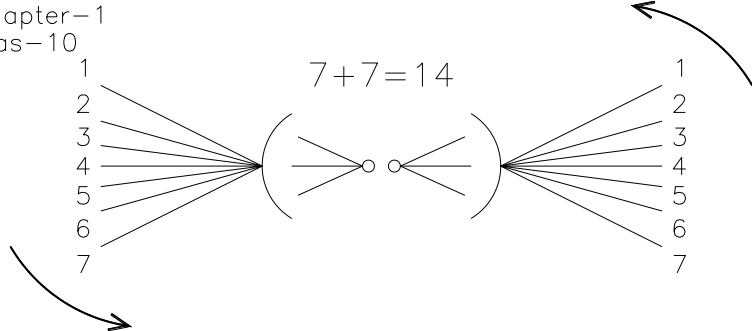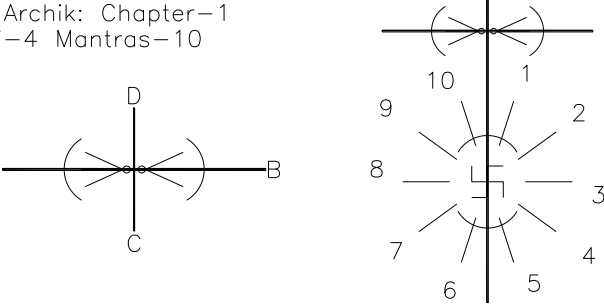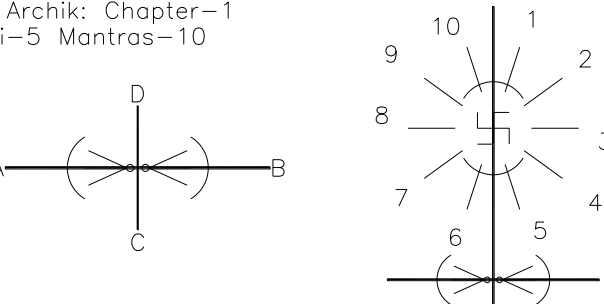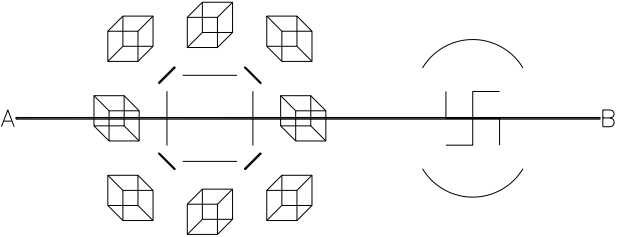
6	
7	Purva Archik Dasties—64
8	Purva Archik Dasties—64 Mantras 64X10=640
9	$6X1\frac{1}{2}=9$ $4X1\frac{1}{2}=6$
10	
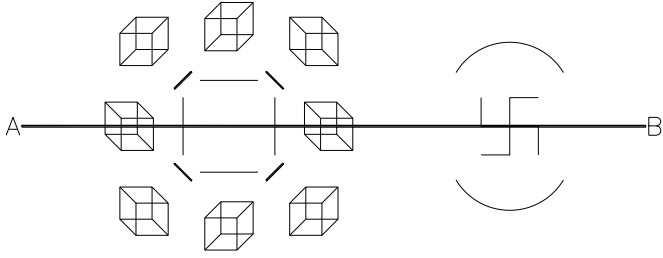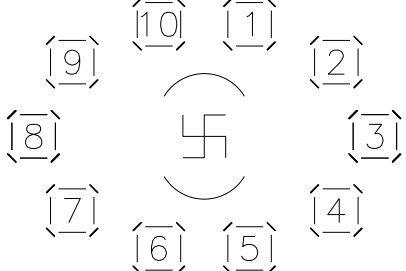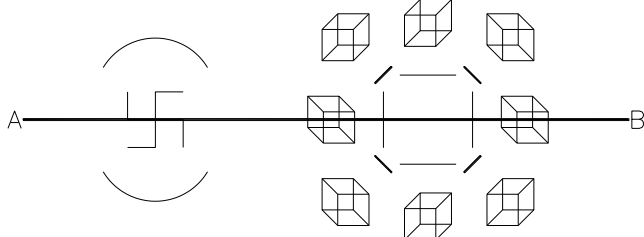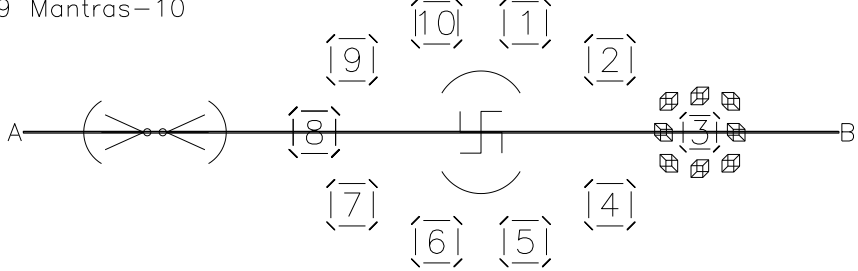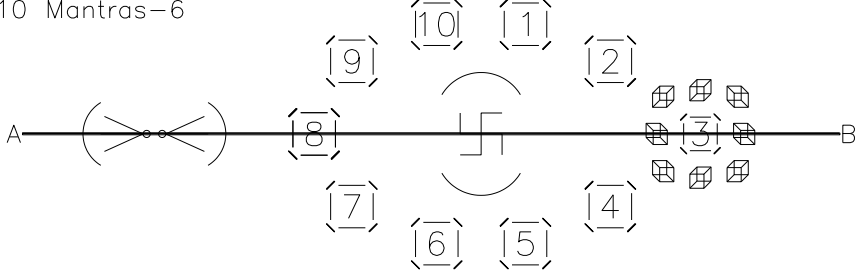
11		
12		
13	Dimensional frame Constituent	$2+2=4$ $2 \times 2=4$
14		

15	
16	
17	

18
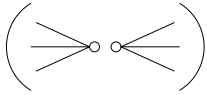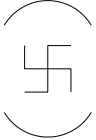
Purva Archik
Chapter-2
Mantras-118

7
+
3
+
1
11

118
11

4

8

8

Purva Archik
Chapter-3
Mantras-119

7
+
3
+
1
11

119
11

9

9

19

Purva Archik
Chapter-3
Mantras-119

7
+
3
+
1
11

119
11

9

9

Purva Archik
Chapter-4
Mantras-115

7
+
3
+
1
11

115
11

5

5

20

Purva Archik
Chapter-4
Mantras-115

7
+
3
+
1
11

115
11

5

Purva Archik
Chapter-5
Mantras-119

119
11

9
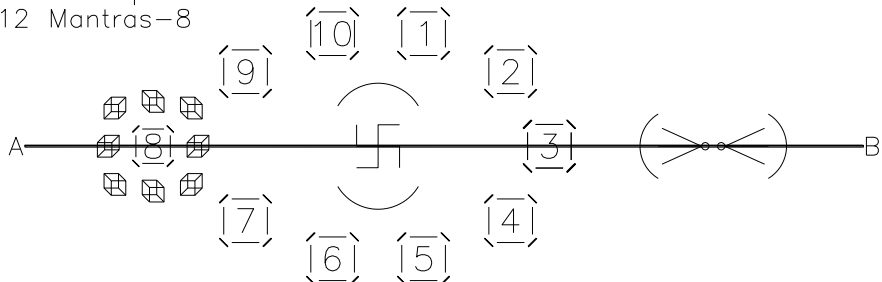
21	Purva Archik Chapter-6 Mantras-55
22	MAHAMNYA ARCHIK: A single chapter scripture
23	Purva Archik: Chapter-1 Dasti-1 Mantras-10
24	
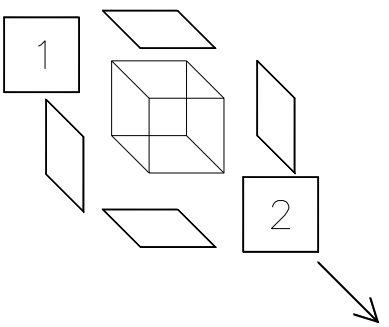
25

Purva Archik: Chapter—1
Dasti—2 Mantras—10

$7+7=14$

26

Purva Archik: Chapter—1
Dasti—3 Mantras—10

$7+7=14$

27

Purva Archik: Chapter—1
Dasti—4 Mantras—10

28

Purva Archik: Chapter—1
Dasti—5 Mantras—10

29

Purva Archik: Chapter—1
Dasti—6 Mantras—8
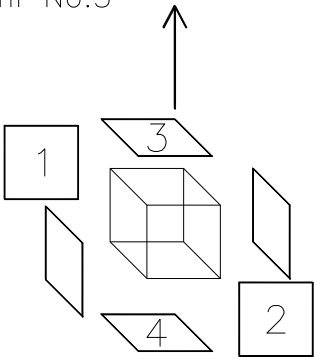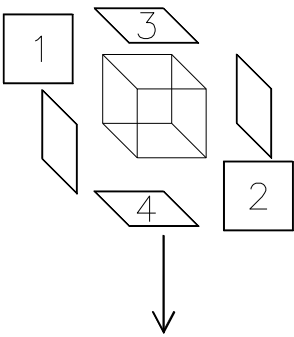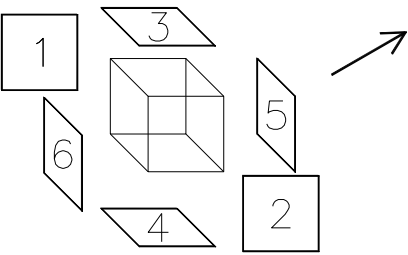
30	Purva Archik: Chapter—1 Dasti—6 Mantras—8
31	Purva Archik: Chapter—1 Dasti—7 Mantras—8
32	Purva Archik: Chapter—1 Dasti—8 Mantras—8
33	Purva Archik: Chapter—1 Dasti—9 Mantras—10
34	Purva Archik: Chapter—1 Dasti—10 Mantras—6
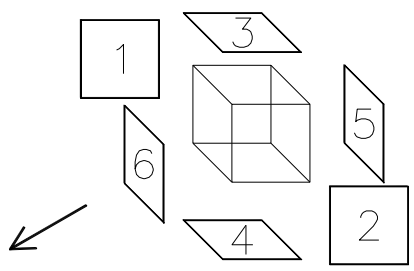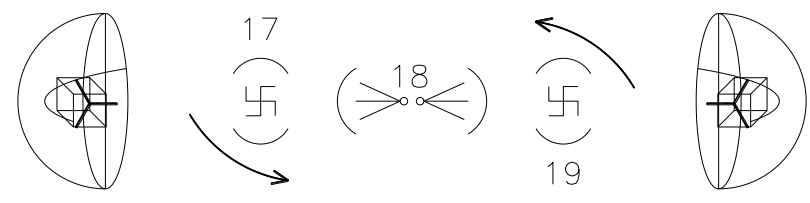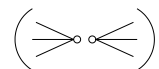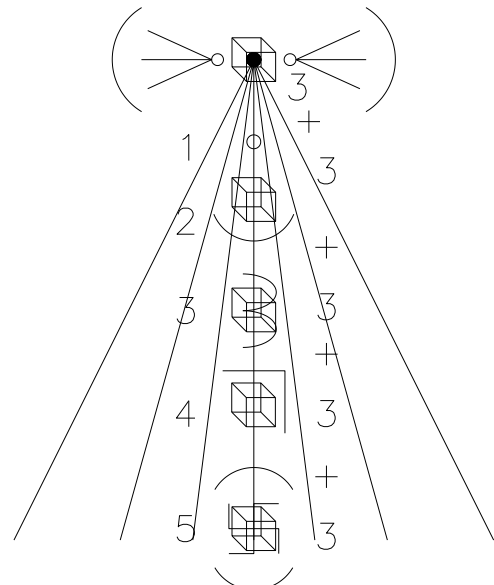
35			
	Sun	Sole Syllable	Avyakto—Avyaktat
	First part	Second part	Third part
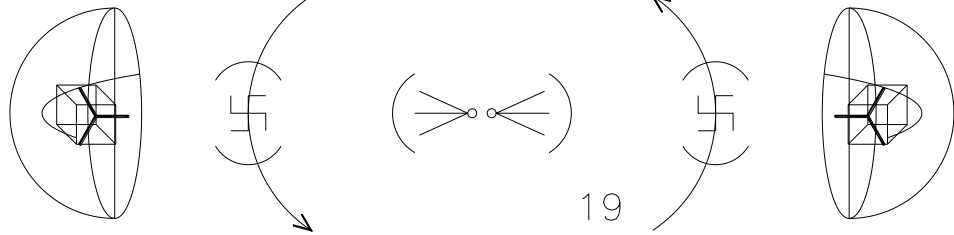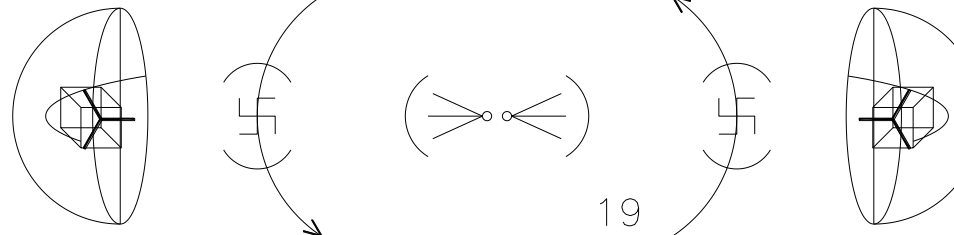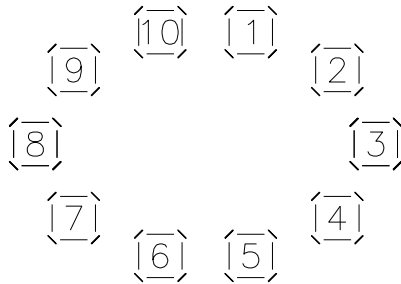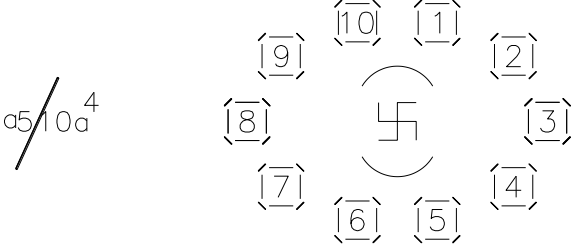
36

Purva Archik: Chapter—1
Dasti—11 Mantras—10
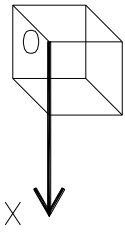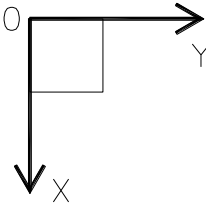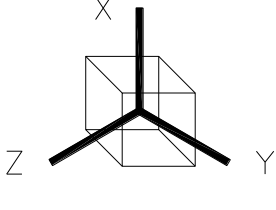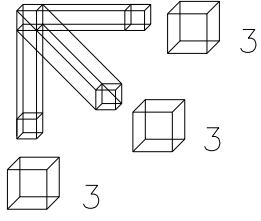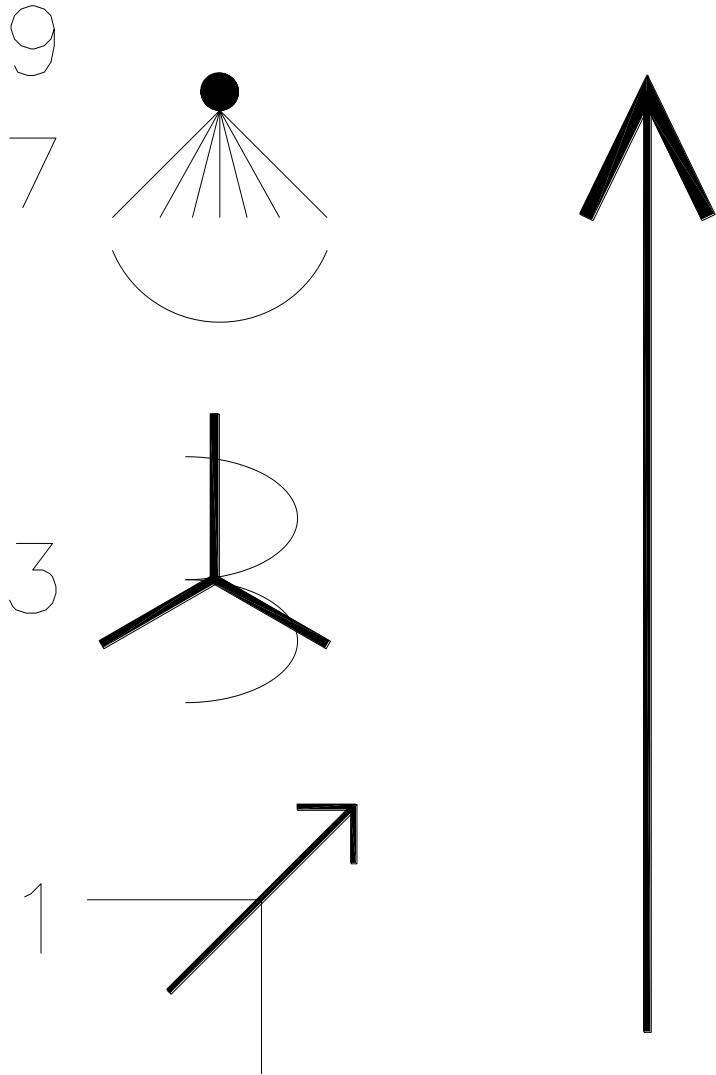
37

Purva Archik: Chapter—1
Dasti—12 Mantras—8

38

Kukshi No.2

39	Kukshi No.3	

40	Kukshi No.4	

41	Kukshi No.5	

42		
43		
44		

Sun	Sole Syllable	Avyakto−Avyaktat
Purva Archik	Mahamnya Archik	Ultra Archik
Chapters 6	Chapters 1	Chapters 22

| 45 | | |

46

Northern hemi-sphere   17   Sun   Southern hemi-sphere
19

47

Northern hemi-sphere   17   Sun   Southern hemi-sphere
19

48

DASTI-A BLOCK OF TEN MANTRAS

	10	1	
9			2
8			3
7			4
	6	5	

49

Fifth dimensional domain

a5/10a^4

	10	1	
9			2
8			3
7			4
	6	5	

50	One Dimensional domain	Two Dimensional domain	Three Dimensional domain	
	1	1 x 1	1 x 1 x 1	(1x1x1)(1x1x1)(1x1x1)

51

52

53

Domain 6   Brahm

Constituent 4

Brahm

7
+
3
+
1
—
11

1
2   8
3   7
4   6
5

54

Domain 6   Brahm

Constituent 4

1
2   8
3
4   6
5

7+3+1= 11

55

1   2
10   3
a5/10a⁴   9   4
8   5
7   6

56

Third	Fourth	Fifth	Sixth
Dimensional Line	Dimensional plane	Solid dimensional line	Solid dimensional plane

*