

**List of VM Consolidated documents of Dr. S. K. Kapoor**

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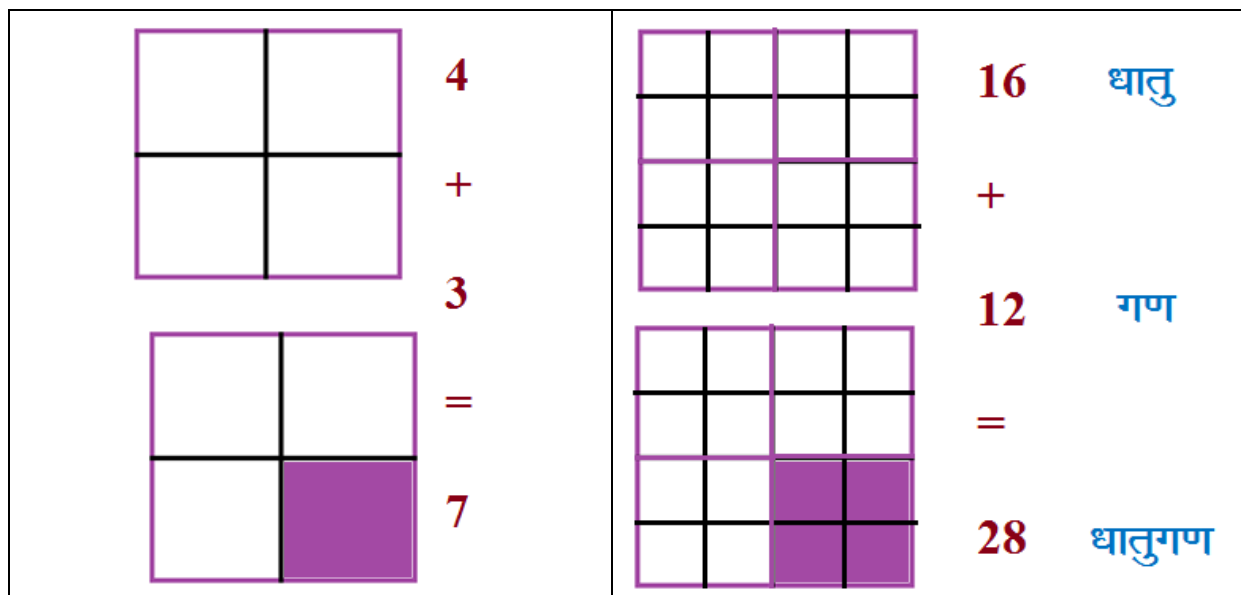
**List 1 Different aspects of Vedic Mathematics**

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Aspect 24  
Dhatugan

**Dhatugan**  
धातुगण

Syllable	धा	तु	ग	ण
TCV	9	7	4	8
Total	16		12	



**First roots group**

**Partham dhatugan**

प्रथमधातुगण

**C1 = Serial number C2 = Roots, C3 = Total roots**

1	1	1
2	36	37
3	38	75
4	42	117

5	51	168
7	21	189
8	72	261
9	36	297

10	72	369
11	33	402
12	39	441
13	10	451
14	30	481
15	37	518
16	95	613
17	1	614
18	51	665
19	88	753
20	25	778
21	13	791
22	51	842
23	1	843
24	3	846
25	26	872

26	2	874
27	7	881
28	38	919
29	5	924
30	46	970
31	23	993
32	1	994
33	8	1002
34	15	1017
35	1	1018
36	2	1020
37	9	1029
38	1	1030
39	3	1033
40	2	1035

### Second roots group

#### Dwitya dhatugan

द्वितीय धातुगण

**C1 = Serial number**

**C2 = Roots,**

**C3 = Total roots**

1	2	2
2	4	6
3	1	7
4	13	20
5	2	22
7	6	28
8	1	29
9	3	32

10	2	34
11	19	53
12	4	57
13	1	58
14	7	65
15	2	67
16	3	70
17	1	71

### Third roots group

#### Tritya dhatugan

तृतीया धातुगण

**C1 = Serial number**

**C2 = Roots,**

**C3 = Total roots**

1	3	3
2	1	4
3	1	5
4	2	7

5	1	8
7	2	10
8	3	13
9	11	24

**Fourth roots group**

**Chaturtha dhatugan**

चतुर्थ धातुगण

**C1 = Serial number**

**C2 = Roots,**

**C3 = Total roots**

1	26	26
2	2	28
3	11	39
4	4	43
5	15	58

7	2	60
8	3	63
9	11	74
10	67	141

**Fifth roots group**

**Pancham dhatugan**

पंचम धातुगण

**C1 = Serial number**

**C2 = Roots,**

**C3 = Total roots**

1	9	9
2	8	17

3	2	19
4	15	34

### Sixth roots group

#### Shashtam dhatugan

षष्ठम् धातुगण

**C1 = Serial number**

**C2 = Roots,**

**C3 = Total roots**

1	6	6
2	1	7
3	4	11
4	102	113
5	1	114
6	4	118
7	1	119

8	2	121
9	7	128
10	2	130
11	16	146
12	6	152
13	3	155

### Seventh roots group

#### Saptam dhatugan

सप्तम् धातुगण

**C1 = Serial number**

**C2 = Roots,**

**C3 = Total roots**

1	9	9
2	1	10
3	1	11

4	2	13
5	12	25

### Eighth roots group

#### Aushtam dhatugan

अष्टम् धातुगण

**C1 = Serial number**

**C2 = Roots,**

**C3 = Total roots**

1	7	7
2	2	9

3	1	10

### Ninth roots group

#### Navam dhatugan

नवम् धातुगण

**C1 = Serial number**

**C2 = Roots,**

**C3 = Total roots**

1	7	7
2	9	16
3	11	27
4	11	38

5	1	39
6	12	61
7	1	62

### Tenth roots group

#### Dasham dhatugan

दशम् धातुगण

**C1 = Serial number**

**C2 = Roots,**

**C3 = Total roots**

1	149	149
2	38	187
3	37	224
4	54	278

5	47	325
6	85	410

### Kanav group of roots

#### Kanav dhatugan

काणम् धातुगण

**C1 = Serial number**

**C2 = Roots,**

**C3 = Total roots**

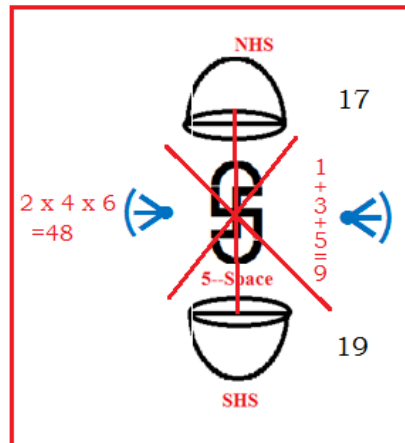
**47**

1	47	47
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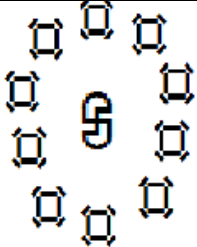
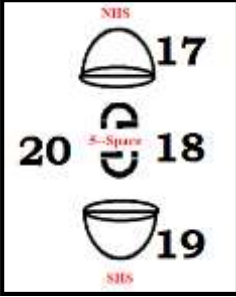
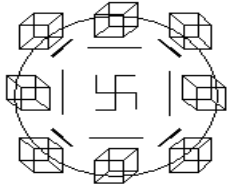
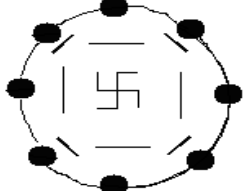
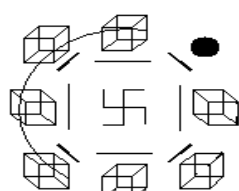

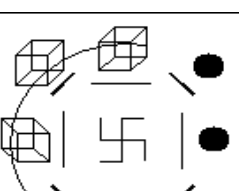
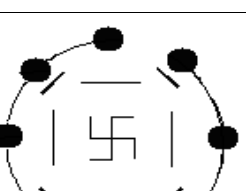
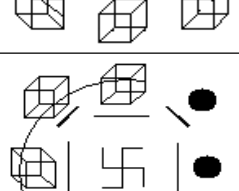
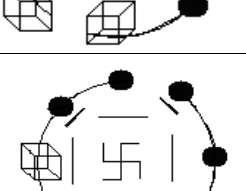
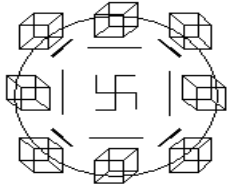
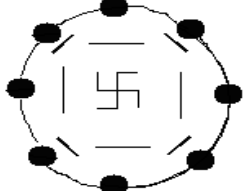
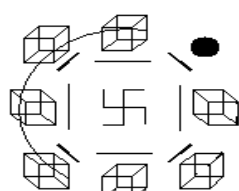

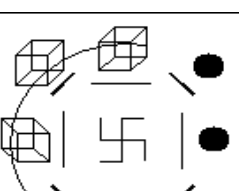
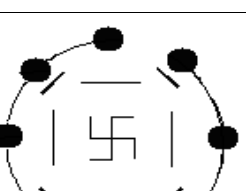
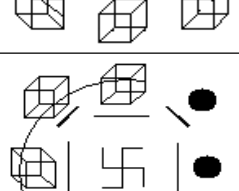
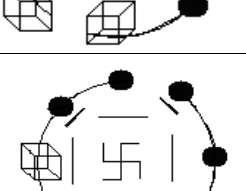
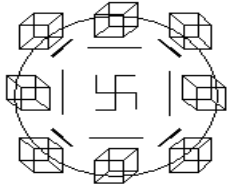
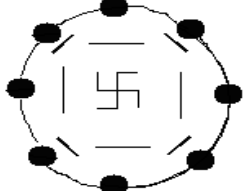
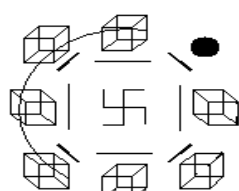

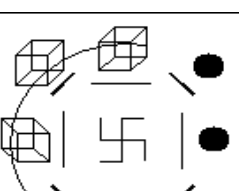
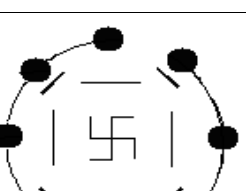
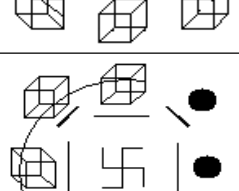
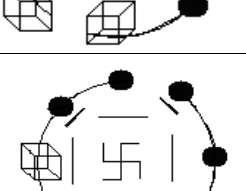
**Consolidated table of sub group of ten roots groups and  
kanav roots group**

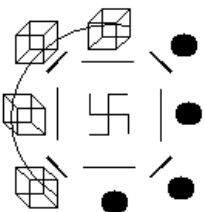
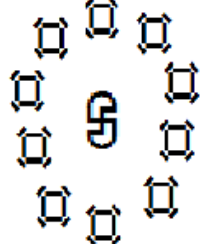

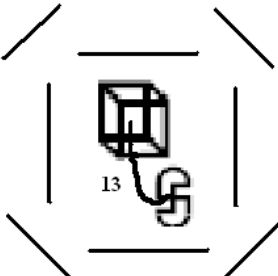




$$115 = 23 \times 5$$

$$114 = 19 \times 6$$



**C1** = Group, **C2** = Sub group, **C2** = Total sub group

1	40	40	 <p>A<sup>5</sup>:10B<sup>4</sup> 10 x 4 =40</p>								
2	17	57	<div style="border: 1px solid black; padding: 5px; display: inline-block;">  </div> <p>Northern hemisphere 17</p>								
3	9	66	<table border="1" style="width: 100%; height: 100%;"> <tr> <td data-bbox="634 961 932 1171">  </td> <td data-bbox="932 961 1230 1171">  </td> </tr> <tr> <td data-bbox="634 1171 932 1381">  </td> <td data-bbox="932 1171 1230 1381">  </td> </tr> <tr> <td data-bbox="634 1381 932 1591">  </td> <td data-bbox="932 1381 1230 1591">  </td> </tr> <tr> <td data-bbox="634 1591 932 1801">  </td> <td data-bbox="932 1591 1230 1801">  </td> </tr> </table>								
											
											
											
											

					
4	10	76		 $A^5:10B^4$	
5	4	80			
6	13	93			
7	5	98			
8	3	101			
9	7	108			
10	6	114			



11	1	115	
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Dashdhatugan

दशधातुगण

Ten roots groups

C1 = Dhatugan, C2 = First dhatu, C3= TCV,  
C4= total TCV, C5 = number of roots, C6 = Total roots

C1	C2	C3	C4	C5	C6
1	भू	14	14	1035	1035
2	अद्	7	21	71	1106
3	हु	12	33	24	1130
4	दिवु	19	52	141	1271
5	षुञ्	15	67	34	1305
6	तुद	14	81	155	1460
7	रुधिर्	21	102	25	1485
8	तनु	16	118	10	1495
9	डुक्कीञ्	20	138	62	1557
10	चुर	9	147	410	1967