

# Vedic Mathematics Teachers Course

## Lesson 11

### Discrete(s) Gaps Bridges

#### Introductory

Vedic Arithmetic uniquely avails whole numbers ranges. Every range of whole numbers range is a discrete(s) range. It has gaps between every pair of consecutive whole numbers of a range of whole numbers.

Vedic Arithmetic has glimpsed have worked out bridging of gaps of whole numbers ranges in terms of factors of the numbers of the numbers range.

Credit goes to Vedic comprehension as that the whole numbers range 1 to 1000 is of potentialities for settling a system of '89 inner folds' being of organization of following three tables.

#### Table -1

Factors of numbers 1 to 1000.

Here under is reached at a table of factors of numbers 1 to 1000 as sequential number of ranges 1 to 1, 1 to 2, 1 to 3, 1 to 4, 1 to 5 (as numbers range 1 to 4 is of 5 factors, 1 to 6, as numbers range 1 to 5 is of six factors, 1 to 8 as numbers range 1 to 6 is of eight factors.

One may have a pause here and take note that there is a jump over number range 1 to 7. As such it makes another independent sequence of factors ranges.

As 1 to 7 is of nine factors as such there is a jump from factors of 1 to 7 as nine to factors of 1 to 9 as 1 to 14. There is a jump over number of factors 1 to 8. And like that there will emerge new streams of factors ranges.

The following table is focusing upon the streams of factors uptill 1 to 1000.

## Table - 1

### Numbers Ranges and Corresponding factors ranges sequences

C-1 = Number, C-2 = Factors of Numbers, C-3 = Number of Factors of number range uptill Serial number

(C-1) number, C-4 = Number of factors of numbers range uptill C-3, C-4 and sequential extension.

C-1	C-2	C-3	C-4								
S N	Factor	NF	TNF								
1	1	1	1								
2	2	1	2								
3	3	1	3								
4	2x2	2	5	6	8	12	20	37	77	177	441
5	5	1	6								
6	2x3	2	8								
7	7	1	9	14	23	42	88	206	526		
8	2x2x2	3	12								
9	3x3	2	14								
10	2x5	2	16	29	57	126	307	816			
11	11	1	17	30	60	134	330	885			
12	2x2x3	3	20								
13	13	1	21	39	81	190	484				
14	2x7	2	23	42	89	208	535				
15	3x5	2	25	48	104	249	651				
16	2x2x2x2x	4	29								
17	17	1	30								
18	2x3x3	3	33	68	155	387					
19	19	1	34	70	160	402					
20	2x2x5	3	37								
21	3x7	2	39								
22	2x11	2	41	86	201	515					
23	23	1	42								
24	2x2x2x3	4	46	98	233	604					
25	5x5	2	48								
26	2x13	2	50	50	109	261	689				

27	3x3x3	3	53	115	277	732
28	2x2x7	3	56	125	304	810
29	29	1	57			
30	2x3x5	3	60	133	327	873
31	31	1	61	135	334	894
32	2x2x2x2x2	5	66	151	375	
33	3x11	2	68			
34	2x17	2	70			
35	5x7	2	72	166	418	
36	2x2x3x3	4	76	175	442	
37	37	1	77			
38	2x19	2	79	181	458	
39	3x13	2	81			
40	2x2x2x5	4	85	199	508	
41	41	1	86			
42	2x3x7	3	89			
43	43	1	90	212	545	
44	2x2x11	3	93	219	563	
45	3x3x5	3	96	229	591	
46	2x23	2	98			
47	47	1	99	236	613	
48	2x2x2x2x3	5	104			
49	7x7	2	106	254	665	
50	2x5x5	3	109			
51	3x17	2	111	266	702	
52	2x2x13	3	114	275	727	
53	53	1	115			
54	2x3x3x3	4	119	287	758	
55	5x11	2	121	294	780	
56	2x2x2x7	4	125			
57	3x19	2	127			
58	2x29	2	129	318	846	
59	59	1	130	321	857	
60	2x2x3x5	4	134			
61	61	1	135			
62	2x31	2	137	339	905	
63	3x3x7	3	140	347	928	
64	2x2x2x2x2x2	6	146	363	975	
65	5x13	2	148	369	992	

66	2x3x11	3	151	
67	67	1	152	375
68	2x2x17	3	155	
69	3x23	2	157	392
70	2x5x7	3	160	
71	71	1	161	404
72	2x2x2x3x3	5	166	
73	73	1	167	419
74	2x37	2	169	426
75	3x5x5	3	172	435
76	2x2x19	3	175	
77	7x11	2	177	
78	2x3x13	3	180	458
79	79	1	181	
80	2x2x2x2x5	5	186	472
81	3x3x3x3	4	190	
82	2x41	2	192	492
83	83	1	193	493
84	2x2x3x7	4	197	503
85	5x17	2	199	
86	2x43	2	201	
87	3x29	2	203	519
88	2x2x2x11	4	207	530
89	89	1	208	
90	2x3x3x5	4	212	
91	7x13	2	214	549
92	2x2x23	3	217	559
93	3x31	2	219	
94	2x47	2	221	569
95	5x19	2	223	573
96	2x2x2x2x2x3	6	229	
97	97	1	230	594
98	2x7x7	3	233	
99	3x3x11	3	236	
100	2x2x5x5	4	240	625
101	101	1	241	626
102	2x3x17	3	244	637
103	103	1	245	640
104	2x2x2x13	4	249	

105	3x5x7	3	252	661
106	2x53	2	254	
107	<b>107</b>	<b>1</b>	255	668
108	2x2x3x3x3	5	260	686
109	<b>109</b>	<b>1</b>	261	
110	2x5x11	3	264	697
111	3x37	2	266	
112	2x2x2x2x7	5	271	714
113	<b>113</b>	<b>1</b>	272	719
114	2x3x19	3	275	
115	5x23	2	277	
116	2x2x29	3	280	742
117	3x3x13	3	283	747
118	2x59	2	285	753
119	7x17	2	287	
120	2x2x2x3x5	5	292	775
121	11x11	2	294	
122	2x61	2	296	786
123	3x41	2	298	792
124	2x2x31	3	301	801
125	5x5x5	3	304	
126	2x3x3x7	4	308	
127	<b>127</b>	<b>1</b>	309	823
128	2x2x2x2x2x2x2	7	316	842
129	3x43	2	318	
130	2x5x13	3	321	
131	<b>131</b>	<b>1</b>	322	860
132	2x2x3x11	4	326	873
133	7x19	2	328	
134	2x67	2	330	
135	3x3x3x5	4	334	
136	2x2x2x17	4	338	903
137	<b>137</b>	<b>1</b>	339	
138	2x3x23	3	342	915
139	<b>139</b>	<b>1</b>	343	918
140	2x2x5x7	4	347	
141	3x47	2	349	933
142	2x71	2	351	941
143	11x13	2	353	948

144	2x2x2x2x3x3	6	359	962
145	5x29	2	361	970
146	2x73	2	363	
147	3x7x7	3	366	984
148	2x2x37	3	369	
<b>149</b>	<b>149</b>	<b>1</b>	370	995
150	2x3x5x5	4	374	1005
151	151	1	375	
152	2x2x2x19	4	379	
153	3x3x17	3	382	
154	2x7x11	3	385	
155	5x31	2	387	
156	2x2x3x13	4	391	
157	157	1	392	
158	2x79	2	394	
159	3x53	2	396	
160	2x2x2x2x2x5	6	402	
161	7x23	2	404	
162	2x3x3x3x3	5	409	
163	163	1	410	
164	2x2x41	3	413	
165	3x5x11	3	416	
166	2x83	2	418	
<b>167</b>	<b>167</b>	<b>1</b>	419	
168	2x2x2x3x7	5	424	
169	13x13	2	426	
170	2x5x17	3	429	
171	3x3x19	3	432	
172	2x2x43	3	435	
<b>173</b>	<b>173</b>	<b>1</b>	436	
174	2x3x29	3	439	
175	5x5x7	3	442	
176	2x2x2x2x11	5	447	
177	3x59	2	449	
178	2x89	2	451	
<b>179</b>	<b>179</b>	<b>1</b>	452	
180	2x2x3x3x5	5	457	
<b>181</b>	<b>181</b>	<b>1</b>	458	
182	2x7x13	3	461	

183	3x61	2	463
184	2x2x2x23	4	467
185	5x37	2	469
<b>186</b>	2x3x31	3	472
187	11x17	2	474
188	2x2x47	3	477
189	3x3x3x7	4	481
<b>190</b>	2x5x19	3	484
<b>191</b>	<b>191</b>	<b>1</b>	485
<b>192</b>	2x2x2x2x2x2x3	7	492
<b>193</b>	<b>193</b>	<b>1</b>	493
194	2x97	2	495
195	3x5x13	3	498
196	2x2x7x7	4	502
<b>197</b>	<b>197</b>	<b>1</b>	503
198	2x3x3x11	4	507
<b>199</b>	<b>199</b>	<b>1</b>	508
200	2x2x2x5x5	5	513
201	3x67	2	515
202	2x101	2	517
203	7x29	2	519
204	2x2x3x17	4	523
205	5x41	2	525
206	2x103	2	527
207	3x3x23	3	530
208	2x2x2x2x13	5	535
209	11x19	2	537
210	2x3x5x7	4	541
211	211	1	542
212	2x2x53	3	545
213	3x71	2	547
214	2x107	2	549
215	5x43	2	551
216	2x2x2x3x3x3	6	557
217	7x31	2	559
218	2x109	2	561
219	3x73	2	563
220	2x2x5x11	4	567
221	13x17	2	569

222	2x3x37	3	572
223	223	1	573
224	2x2x2x2x2x7	6	579
225	3x3x5x5	4	583
226	2x113	2	585
227	227	1	586
228	2x2x3x19	4	590
229	229	1	591
230	2x5x23	3	594
231	3x7x11	3	597
232	2x2x2x2x2x7	6	603
233	233	1	604
234	2x3x3x13	4	608
235	5x47	2	610
236	2x2x59	3	613
237	3x79	2	615
238	2x7x17	3	618
239	239	1	619
240	2x2x2x2x3x5	6	625
241	241	1	626
242	2x11x11	3	629
243	3x3x3x3x3	5	634
244	2x2x61	3	637
245	5x7x7	3	640
246	2x3x41	3	643
247	13x19	2	645
248	2x2x2x31	4	649
249	3x83	2	651
250	2x5x5x5	4	655
251	251	1	656
252	2x2x3x3x7	5	661
253	11x23	2	663
254	2x127	2	665
255	3x5x17	3	668
256	2x2x2x2x2x2x2x2	8	676
257	257	1	677
258	2x3x43	3	680
259	7x37	2	682
260	2x2x5x13	4	686

261	3x3x29	3	689
262	2x131	2	691
263	263	1	692
264	2x2x2x3x11	5	697
265	5x53	2	699
266	2x7x19	3	702
267	3x89	2	704
268	2x2x67	3	707
269	269	1	708
270	2x3x3x3x5	5	713
271	271	1	714
272	2x2x2x2x17	5	719
273	3x7x13	3	722
274	2x137	2	724
275	5x5x11	3	727
276	2x2x3x23	4	731
277	277	1	732
278	2x139	2	734
279	3x3x31	3	737
280	2x2x2x5x7	5	742
281	281	1	743
282	2x3x47	3	746
283	283	1	747
284	2x2x71	3	750
285	3x5x19	3	753
286	2x11x13	3	756
287	7x41	2	758
288	2x2x2x2x2x3x3	7	765
289	17x17	2	767
290	2x5x29	3	770
291	3x97	2	772
292	2x2x73	3	775
293	293	1	776
294	2x3x7x7	4	780
295	5x59	2	782
296	2x2x2x37	4	786
297	3x3x3x11	4	790
298	2x149	2	792
299	13x23	2	794

300	2x2x3x5x5	5	799
301	7x43	2	801
302	2x151	2	803
303	3x101	2	805
304	2x2x2x2x19	5	810
305	5x61	2	812
306	2x3x3x17	4	816
307	307	1	817
308	2x2x7x11	4	821
309	3x103	2	823
310	2x5x31	3	826
311	311	1	827
312	2x2x2x3x13	5	832
313	313	1	833
314	2x157	2	835
315	3x3x5x7	4	839
316	2x2x79	3	842
317	317	1	843
318	2x3x53	3	846
319	11x29	2	848
320	2x2x2x2x2x2x5	7	855
321	3x107	2	857
322	2x7x23	3	860
323	17x19	2	862
324	2x2x3x3x3x3	6	868
325	5x5x13	3	871
326	2x163	2	873
327	3x109	2	875
328	2x2x2x41	4	879
329	7x47	2	881
330	2x3x5x11	4	885
331	331	1	886
332	2x2x83	3	889
333	3x3x37	3	892

334	2x167	2	894
335	5x67	2	896
336	2x2x83	3	899
<b>337</b>	<b>337</b>	<b>1</b>	900
338	2x13x13	3	903
339	3x113	2	905
340	2x2x5x17	4	909
341	11x31	2	911
342	2x3x3x19	4	915
343	7x7x7	3	918
344	2x2x2x43	4	922
345	3x5x23	3	925
346	2x173	2	927
347	347	1	928
348	2x2x3x29	4	932
349	349	1	933
350	2x5x5x7	4	937
351	3x3x3x13	4	941
352	2x2x2x2x2x11	6	947
353	353	1	948
354	2x3x59	3	951
355	5x71	2	953
356	2x2x89	3	956
357	3x7x17	3	959
358	2x179	2	961
359	359	1	962
360	2x2x2x3x3x5	6	968
361	19x19	2	970
362	2x181	2	972
363	3x11x11	3	975
364	2x2x7x13	4	979
365	5x73	2	981
366	2x3x61	3	984
367	367	1	985
368	2x2x2x2x23	5	990
369	3x123	2	992
370	2x5x37	3	995
371	7x53	2	997
372	2x2x3x31	4	1001

373	373	1	1002
374	2x11x17	3	1005
375	3x5x5x5	4	1009
376	2x2x2x47	4	1013
377	13x29	2	1015
378	2x3x3x3x7	5	1020
379	379	1	1021
380	2x2x5x19	4	1025
381	3x127	2	1027
382	2x191	2	1029
383	383	1	1030
384	2x2x2x2x2x2x2x3	8	1038
385	5x7x11	3	1041
386	2x193	2	1043
387	3x129	2	1045
388	2x2x97	3	1048
389	389	1	1049

390	2x3x5x13	4	1053
391	17x23	2	1055
392	2x2x2x7x7	5	1060
393	3x131	2	1062
394	2x197	2	1064
395	5x79	2	1066
396	2x2x3x3x11	5	1071
397	397	1	1072
398	2x199	2	1074
399	3x7x19	3	1077
400	2x2x2x2x5x5	6	1083
401	401	1	1084
402	2x3x67	3	1087
403	13x31	2	1089
404	2x2x101	3	1092
405	3x3x3x3x5	5	1097
406	2x7x29	3	1100
407	11x37	2	1102
408	2x2x2x3x17	5	1107
409	409	1	1108
410	2x5x41	3	1111
411	3x137	2	1113

412	2x2x103	3	1116
413	7x59	2	1118
414	2x3x3x23	4	1122
415	5x83	2	1124
416	2x2x2x2x3x3x3	7	1131
417	3x139	2	1133
418	2x11x19	3	1136
419	419	1	1137
420	2x2x3x5x7	5	1142
421	421	1	1143
422	2x211	2	1145
423	3x141	2	1147
424	2x2x2x53	4	1151
425	5x5x17	3	1154
426	2x3x71	3	1157
427	7x61	2	1159
428	2x2x107	3	1162
429	429	1	1163
430	2x5x43	3	1166
431	431	1	1167
432	2x2x2x2x3x3x3	7	1174
433	433	1	1175
434	2x7x31	3	1178
435	3x5x29	3	1181
436	2x2x109	3	1184
437	19x23	2	1186
438	2x3x73	3	1189
439	439	1	1190
440	2x2x2x5x11	5	1195
441	3x3x7x7	4	1199
442	2x13x17	3	1202
443	443	1	1203
444	2x2x111	3	1206
445	5x89	1	1207
446	2x223	2	1209
447	3x149	2	1211
448	2x2x2x2x2x2x7	7	1218
449	449	1	1219
450	2x3x3x5x5	5	1224

451	11x41	2	1226
452	2x2x113	3	1229
453	3x151	2	1231
454	2x227	2	1233
455	5x7x13	3	1236
456	2x2x2x3x19	5	1241
457	457	1	1242
458	2x229	2	1244
459	3x3x3x17	4	1248
460	2x2x5x23	4	1252
461	461	1	1253
462	2x3x7x11	4	1257
463	463	1	1258
464	2x2x2x2x29	5	1263
465	3x5x31	3	1266
466	2x233	2	1268
467	467	1	1269
468	2x2x3x3x13	5	1274
469	7x67	2	1276
470	2x5x47	3	1279
471	3x157	2	1281
472	2x2x2x59	4	1285
473	11x43	2	1287
474	2x3x79	3	1290
475	5x5x19	3	1293
476	2x2x7x17	4	1297
477	3x159	2	1299
478	2x239	2	1301
479	479	1	1302
480	2x2x2x2x2x3x5	7	1309
481	13x37	2	1311
482	2x241	2	1313
483	3x7x23	3	1316
484	2x2x11x11	4	1320
485	5x97	2	1322
486	2x3x3x3x3x3	6	1328
487	487	1	1329
488	2x2x2x61	4	1333
489	3x163	2	1335

490	2x5x7x7	4	1339
491	491	1	1340
492	2x2x3x41	4	1344
493	17x29	2	1346
494	2x13x19	3	1349
495	3x3x5x11	4	1353
496	2x2x2x2x31	5	1358
497	7x71	2	1360
498	2x3x83	3	1363
499	499	1	1364
500	2x2x5x5x5	5	1369
501	3x167	2	1371
502	2x251	2	1373
503	503	1	1374
504	2x2x2x3x3x7	6	1380
505	5x101	2	1382
506	2x11x23	3	1385
507	3x13x13	3	1388
508	2x2x127	3	1391
509	509	1	1392
510	2x3x5x17	4	1396
511	7x73	2	1398
512	2x2x2x2x2x2x2x2x2	9	1407
513	3x3x3x19	4	1411
514	2x257	2	1413
515	5x103	2	1415
516	2x2x3x43	4	1419
517	11x47	2	1421
518	2x7x37	3	1424
519	3x173	2	1426
520	2x2x2x5x13	5	1431
521	521	1	1432
522	2x3x3x29	4	1436
523	523	1	1437
524	2x2x131	3	1440
525	3x5x5x7	4	1444
526	2x263	2	1446
527	17x31	2	1448
528	2x2x2x2x3x11	6	1454

529	23x23	2	1456
530	2x5x53	3	1459
531	3x177	2	1461
532	2x2x7x19	4	1465
533	13x41	2	1467
534	2x3x89	3	1470
535	5x107	2	1472
536	2x2x2x67	4	1476
537	3x179	2	1478
538	2x269	2	1480
539	7x711	2	1482
540	2x2x3x3x3x5	6	1488
541	541	1	1489
542	2x271	2	1491
543	3x181	2	1493
544	2x2x2x2x2x17	6	1499
545	5x109	2	1501
546	2x3x7x13	4	1505
547	547	1	1506
548	2x2x137	3	1509
549	3x3x61	3	1512
550	2x5x5x11	4	1516
551	19x29	2	1518
552	2x2x2x3x23	5	1523
553	7x79	2	1525
554	2x277	2	1527
555	3x5x37	3	1530
556	2x2x139	3	1533
557	557	1	1534
558	2x3x3x31	4	1538
559	13x43	2	1540
560	2x2x2x2x5x7	6	1546
561	3x11x17	3	1549
562	2x281	2	1551
563	2x2x141	3	1554
564	2x2x3x47	4	1558
565	5x113	2	1560
566	2x283	2	1562
567	3x3x3x3x7	5	1567

568	2x2x2x71	4	1571
569	569	1	1572
570	2x3x5x19	4	1576
571	571	1	1577
572	2x2x11x13	4	1581
573	3x191	2	1583
574	2x7x41	3	1586
575	5x5x23	3	1589
576	2x2x2x2x2x2x3x3	8	1597
577	577	1	1598
578	2x17x17	3	1601
579	3x193	2	1603
580	2x2x5x29	4	1607
581	7x83	2	1609
582	2x3x97	3	1612
583	11x53	2	1614
584	2x2x2x73	4	1618
585	3x3x5x13	4	1622
586	2x293	2	1624
587	587	1	1625
588	2x2x3x7x7	5	1630
589	19x31	2	1632
590	2x5x59	3	1635
591	3x197	2	1637
592	2x2x2x2x37	5	1642
593	593	1	1643
594	2x3x3x3x11	5	1648
595	5x7x17	3	1651
596	2x2x149	3	1654
597	597	1	1655
598	2x13x23	3	1658
599	599	1	1659
600	2x2x2x3x5x5	6	1665
601	601	1	1666
602	2x7x43	3	1669
603	3x201	2	1671
604	2x2x151	3	1674
605	5x11x11	3	1677
606	2x3x101	3	1680

607	607	1	1681
608	2x2x2x2x2x19	6	1687
609	3x7x29	3	1690
610	2x5x61	3	1693
611	13x47	2	1695
612	2x2x3x3x17	5	1700
613	613	1	1701
614	2x307	2	1703
615	3x5x41	3	1706
616	2x2x2x7x11	5	1711
617	617	1	1712
618	2x3x103	3	1715
619	619	1	1716
620	2x2x5x31	4	1720
621	3x3x3x23	4	1724
622	2x311	2	1726
623	7x89	2	1728
624	2x2x2x2x3x13	6	1734
625	5x5x5x5	4	1738
626	2x313	2	1740
627	3x11x19	3	1743
628	2x2x157	3	1746
629	17x37	2	1748
630	2x3x3x5x7	5	1753
631	631	1	1754
632	2x2x2x79	4	1758
633	3x211	2	1760
634	2x317	2	1762
635	5x127	2	1764
636	2x2x3x53	4	1768
637	7x7x13	3	1771
638	2x11x29	3	1774
639	3x3x71	3	1777
640	2x2x2x2x2x2x2x5	8	1785
641	641	1	1786
642	2x3x107	3	1789
643	643	1	1790
644	2x2x7x23	4	1794
645	3x5x43	3	1797

646	2x17x19	3	1800
647	647	1	1801
648	2x2x2x3x3x3x3	7	1808
649	11x59	2	1810
650	2x5x5x13	4	1814
651	3x7x31	3	1817
652	2x2x163	3	1820
653	653	1	1821
654	2x3x109	3	1824
655	5x131	2	1826
656	2x2x2x2x41	5	1831
657	3x3x73	3	1834
658	2x7x47	3	1837
659	659	1	1838
660	2x2x3x5x11	5	1843
661	661	1	1844
662	2x331	2	1846
663	3x13x17	3	1849
664	2x2x2x83	4	1853
665	5x7x19	3	1856
666	2x3x3x37	4	1860
667	23x29	2	1862
668	2x2x167	3	1865
669	3x223	2	1867
670	2x5x67	3	1870
671	11x61	2	1872
672	2x2x2x2x2x3x7	7	1879
673	673	1	1880
674	2x3x79	3	1883
675	3x3x3x5x5	5	1888
676	2x2x13x13	4	1892
677	677	1	1893
678	2x3x113	3	1896
679	7x97	2	1898
680	2x2x2x5x17	5	1903
681	3x227	2	1905
682	2x11x31	3	1908
683	683	1	1909
684	2x2x3x3x19	5	1914

685	5x137	2	1916
686	2x7x7x7	4	1920
687	3x229	2	1922
688	2x2x2x2x43	5	1927
689	13x53	2	1929
690	2x3x5x23	4	1933
691	691	1	1934
692	2x2x173	3	1937
693	3x3x7x11	4	1941
694	2x347	2	1943
695	5x139	2	1945
696	2x2x2x3x29	5	1950
697	17x41	2	1952
698	2x349	2	1954
699	3x233	2	1956
700	2x2x5x5x7	5	1961
701	701	1	1962
702	2x3x3x3x13	5	1967
703	19x37	2	1969
704	2x2x2x2x2x2x11	7	1976
705	3x5x47	3	1979
706	2x353	2	1981
707	7x101	2	1983
708	2x2x3x59	4	1987
709	709	1	1988
710	2x5x71	3	1991
711	3x3x79	3	1994
712	2x2x2x89	4	1998
713	23x31	2	2000
714	2x3x7x17	4	2004
715	5x11x13	3	2007
716	2x2x179	3	2010
717	3x239	2	2012
718	2x359	2	2014
719	719	1	2015
720	2x2x2x2x3x3x5	7	2022
721	7x103	2	2024
722	2x19x19	3	2027
723	3x241	2	2029

724	2x2x181	3	2032
725	5x5x29	3	2035
726	2x3x11x11	4	2039
727	727	1	2040
728	2x2x2x7x13	5	2045
729	2x3x3x3x3x3	6	2051
730	2x5x73	3	2054
731	17x43	2	2056
732	2x2x3x61	4	2060
733	733	1	2061
734	2x367	2	2063
735	3x5x7x7	4	2067
736	2x2x2x2x2x23	6	2073
737	11x67	2	2075
738	2x3x123	3	2078
739	739	1	2079
740	2x2x5x37	4	2083
741	3x13x19	3	2086
742	2x7x53	3	2089
743	743	1	2090
744	2x2x2x3x31	5	2095
745	5x149	2	2097
746	2x373	2	2099
747	3x3x83	3	2102
748	2x2x11x17	4	2106
749	7x107	2	2108
750	2x3x5x5x5	5	2113
751	751	1	2114
752	2x2x2x2x47	5	2119
753	3x251	2	2121
754	2x13x29	3	2124
755	5x151	2	2126
756	2x2x3x3x3x7	6	2132
757	757	1	2133
758	2x379	2	2135
759	3x11x23	3	2138
760	2x2x2x5x19	5	2143
761	761	1	2144
762	2x3x127	3	2147

763	7x109	2	2149
764	2x2x191	3	2152
765	3x3x5x17	4	2156
766	2x383	2	2158
767	13x59	2	2160
768	2x2x2x2x2x2x2x2x3	9	2169
769	769	1	2170
770	2x5x7x11	4	2174
771	3x257	2	2176
772	2x2x193	3	2179
773	773	1	2180
774	2x3x129	3	2183
775	5x5x31	3	2186
776	2x2x2x97	4	2190
777	3x7x37	3	2193
778	2x389	2	2195
779	19x41	2	2197
780	2x2x3x5x13	5	2202
781	11x71	2	2204
782	2x17x23	3	2207
783	3x3x3x29	4	2211
784	2x2x2x2x7x7	6	2217
785	5x157	2	2219
786	2x3x131	3	2222
787	787	1	2223
788	2x2x197	3	2226
789	3x263	2	2228
790	2x5x79	3	2231
791	7x113	2	2233
792	2x2x2x3x3x11	6	2239
793	13x61	2	2241
794	2x397	2	2243
795	3x5x53	3	2246
796	2x2x199	3	2249
797	797	1	2250
798	2x3x7x19	4	2254
799	17x47	2	2256
800	2x2x2x2x2x5x5	7	2263
801	3x3x89	3	2266

802	2x401	2	2268
803	11x73	2	2270
804	2x2x3x67	4	2274
805	5x7x23	3	2277
806	2x13x31	3	2280
807	3x269	2	2282
808	2x2x2x101	4	2286
809	809	1	2287
810	2x3x3x3x3x5	6	2293
811	811	1	2294
812	2x2x7x29	4	2298
813	3x271	2	2300
814	2x11x37	3	2303
815	5x163	2	2305
816	2x2x2x2x3x17	6	2311
817	19x43	2	2313
818	2x409	2	2315
819	3x3x7x13	4	2319
820	2x2x5x41	4	2323
821	821	1	2324
822	2x3x137	3	2327
823	823	1	2328
824	2x2x2x103	4	2332
825	3x5x5x11	4	2336
826	2x7x59	3	2339
827	827	1	2340
828	2x2x3x3x23	5	2345
829	829	1	2346
830	2x5x83	3	2349
831	3x277	2	2351
832	2x2x2x2x2x3x3x3	8	2359
833	7x7x17	3	2362
834	2x3x139	3	2365
835	5x167	2	2367
836	2x2x11x19	4	2371
837	3x3x3x31	4	2375

838	2x419	2	2377
839	839	1	2378
840	2x2x2x3x5x7	6	2384
841	29x29	2	2386
842	2x421	2	2388
843	3x281	2	2390
844	2x2x211	3	2393
845	5x13x13	3	2396
846	2x3x141	3	2399
847	7x11x11	3	2402
848	2x2x2x2x53	5	2407
849	3x283	2	2409
850	2x5x5x17	4	2413
851	23x37	2	2415
852	2x2x3x71	4	2419
853	853	1	2420
854	2x7x61	3	2423
855	3x3x5x19	4	2427
856	2x2x2x107	4	2431
857	857	1	2432
858	2x429	2	2434
859	859	1	2435
860	2x2x5x43	4	2439
861	3x7x41	3	2442
862	2x431	2	2444
863	863	1	2445
864	2x2x2x2x2x3x3x3	8	2453
865	5x173	2	2455
866	2x433	2	2457
867	3x17x17	3	2460
868	2x2x7x31	4	2464
869	11x79	2	2466
870	2x3x5x29	4	2470
871	13x67	2	2472
872	2x2x2x109	4	2476
873	3x3x97	3	2479

874	2x19x23	3	2482
875	5x5x5x7	4	2486
876	2x2x3x73	4	2490
877	877	1	2491
878	2x439	2	2493
879	3x293	2	2495
880	2x2x2x2x5x11	6	2501
881	881	1	2502
882	2x3x3x7x7	5	2507
883	883	1	2508
884	2x2x13x17	4	2512
885	3x5x59	3	2515
886	2x443	2	2517
887	887	1	2518
888	2x2x2x3x37	5	2523
889	7x127	2	2525
890	2x5x89	3	2528
891	11x81	2	2530
892	2x2x223	3	2533
893	19x47	2	2535
894	2x3x149	3	2538
895	5x179	2	2540
896	2x2x2x2x2x2x2x7	8	2548
897	3x13x23	3	2551
898	2x449	2	2553
899	29x31	2	2555
900	2x2x3x3x5x5	6	2561
901	17x53	2	2563
902	2x11x41	3	2566
903	3x7x43	3	2569
904	2x2x2x113	4	2573
905	5x181	2	2575
906	2x3x151	3	2578
907	907	1	2579
908	2x2x227	3	2582
909	3x3x101	3	2585
910	2x5x7x13	4	2589
911	911	1	2590
912	2x2x2x2x3x19	6	2596

913	11x83	2	2598
914	2x457	2	2600
915	5x183	2	2602
916	2x2x229	3	2605
917	7x131	2	2607
918	2x3x3x3x17	5	2612
919	919	1	2613
920	2x2x2x5x23	5	2618
921	3x307	2	2620
922	2x461	2	2622
923	13x71	2	2624
924	2x2x3x7x11	5	2629
925	5x5x37	3	2632
926	2x463	2	2634
927	3x3x103	3	2637
928	2x2x2x2x2x29	6	2643
929	929	1	2644
930	2x3x5x31	4	2648
931	7x7x19	3	2651
932	2x2x233	3	2654
933	3x311	2	2656
934	2x467	2	2658
935	5x11x17	3	2661
936	2x3x13x13	4	2665
937	937	1	2666
938	2x7x67	3	2669
939	3x313	2	2671
940	2x2x5x47	4	2675
941	941	1	2676
942	2x3x157	3	2679
943	23x41	2	2681
944	2x2x2x2x59	5	2686
945	3x3x3x5x7	5	2691
946	2x11x43	3	2694
947	947	1	2695
948	2x2x3x79	4	2699
949	13x73	2	2701

950	2x5x5x19	4	2705
951	3x317	2	2707
952	2x2x2x7x17	5	2712
953	953	1	2713
954	2x3x159	3	2716
955	5x191	2	2718
956	2x2x239	3	2721
957	29x41	2	2723
958	2x479	2	2725
959	7x137	2	2727
960	2x2x2x2x2x2x3x5	8	2735
961	31x31	2	2737
962	2x13x37	3	2740
963	3x3x107	3	2743
964	2x2x241	3	2746
965	5x193	2	2748
966	2x3x7x23	4	2752
967	967	1	2753
968	2x2x2x11x11	5	2758
969	3x17x19	3	2761
970	2x5x97	3	2764
971	971	1	2765
972	2x2x3x3x3x3x3	7	2772
973	7x139	2	2774
974	2x487	2	2776
975	3x5x5x13	4	2780
976	2x2x2x2x61	5	2785
977	977	1	2786
978	2x3x163	3	2789
979	11x89	2	2791
980	2x2x5x7x7	5	2796
981	3x3x109	3	2799
982	2x491	2	2801
983	983	1	2802
984	2x2x2x3x41	5	2807
985	5x197	2	2809
986	2x17x29	3	2812

987	7x141	2	2814
988	2x2x13x19	4	2818
989	23x43	2	2820
990	2x3x3x5x11	5	2825
991	991	1	2826
992	2x2x2x2x2x31	6	2832
993	3x331	2	2834
994	2x7x71	3	2837
995	5x199	2	2839
996	2x2x3x83	4	2843
997	997	1	2844
998	2x499	2	2846
999	3x3x3x37	4	2850
1000	2x2x2x5x5x5	6	2856

## Table - 2

### 89 Numbers Ranges and Corresponding factors ranges sequences

S N	Numbers Range		Factors								
		1	2	3	4	5	6	7	8	9	10
1	1-1		1								
2	1-2		2								
3	1-3		3								
4	1-4	4	5	6	8	12	20	37	77	177	448
5	1-7	7	9	14	23	42	88	206	526		
6	1-10	10	16	29	57	126	307	816			
7	1-11	11	17	30	60	134	330	885			
8	1-13	13	21	39	81	190	484				
9	1-14	14	23	42	89	208	535				
10	1-15	15	25	48	104	249	651				
11	1-18	18	33	68	155	387					
12	1-19	19	34	70	160	402					
13	1-22	22	41	86	201	515					
14	1-24	24	46	98	233	604					
15	1-26	26	50	50	109	261	689				
16	1-27	27	53	115	277	732					
17	1-28	28	56	125	304	810					
18	1-30	30	60	133	327	873					
19	1-31	31	61	135	334	894					
20	1-32	32	66	151	375						
21	1-35	35	72	166	418						
22	1-36	36	76	175	442						
23	1-38	38	79	181	458						

24	1-40	40	85	199	508						
25	1-43	43	90	212	545						
26	1-44	44	93	219	563						
27	1-45	45	96	229	591						
28	1-47	47	99	236	613						
29	1-49	49	106	254	665						
30	1-51	51	111	266	702						
31	1-52	52	114	275	727						
32	1-54	54	119	287	758						
33	1-55	55	121	294	780						
34	1-58	58	129	318	846						
35	1-59	59	130	321	857						
36	1-62	62	137	339	905						
37	1-63	63	140	347	928						
38	1-64	64	146	363	975						
39	1-65	65	148	369	992						
40	1-67	67	152	375							
41	1-69	69	157	392							
42	1-71	71	161	404							
43	1-73	73	167	419							
44	1-74	74	169	426							
45	1-75	75	172	435							
46	1-78	78	180	458							
47	1-80	80	186	472							
48	1-82	82	192	492							
49	1-83	83	193	493							
50	1-84	84	197	503							
51	1-87	87	203	519							
52	1-88	88	207	530							
53	1-91	91	214	549							
54	1-92	92	217	559							
55	1-94	94	221	569							

56	1-95	95	223	573						
57	1-97	97	230	594						
58	1-100	100	240	625						
59	1-101	101	241	626						
60	1-102	102	244	637						
61	1-103	103	245	640						
62	1-105	105	252	661						
63	1-107	107	255	668						
64	1-108	108	260	686						
65	1-110	110	264	697						
66	1-112	112	271	714						
67	<b>1-113</b>	<b>113</b>	272	719						
68	1-116	116	280	742						
69	1-117	117	283	747						
70	1-118	118	285	753						
71	1-120	120	292	775						
72	1-122	122	296	786						
73	1-123	123	298	792						
74	1-124	124	301	801						
75	<b>1-127</b>	<b>127</b>	309	823						
76	1-128	128	316	842						
77	<b>1-131</b>	<b>131</b>	322	860						
78	1-132	132	326	873						
79	1-136	136	338	903						
80	1-138	138	342	915						
81	<b>1-139</b>	<b>139</b>	343	918						
82	1-141	141	349	933						
83	1-142	142	351	941						
84	1-143	143	353	948						
85	1-144	144	359	962						
86	1-145	145	361	970						
87	1-147	147	366	984						

88	1-149	149	370	995
89	1-150	150	374	1005

### Table - 3

#### 89 Inner Folds of Factors of Distinct Numbers Ranges uptill 1000

S N	Numbers Range	Inner Folds	Total Inner Folds
1	1-1	1	1
2	1-2	1	2
3	1-3	1	3
4	1-4	10	13
5	1-7	8	21
6	1-10	7	28
7	1-11	7	35
8	1-13	6	41
9	1-14	6	47
10	1-15	6	53
11	1-18	5	58
12	1-19	5	63
13	1-22	5	68
14	1-24	5	73
15	1-26	6	79
16	1-27	5	84
17	1-28	5	89
18	1-30	5	94
19	1-31	5	99
20	1-32	4	103
21	1-35	4	107
22	1-36	4	111
23	1-38	4	115
24	1-40	4	119
25	1-43	4	123
26	1-44	4	127
27	1-45	4	131
28	1-47	4	135
29	1-49	4	139

30	1-51	4	143
31	1-52	4	147
32	1-54	4	151
33	1-55	4	155
34	1-58	4	159
35	1-59	4	163
36	1-62	4	167
37	1-63	4	171
38	1-64	4	175
39	1-65	4	179
40	1-67	3	182
41	1-69	3	185
42	1-71	3	188
43	1-73	3	191
44	1-74	3	194
45	1-75	3	197
46	1-78	3	200
47	1-80	3	203
48	1-82	3	206
49	1-83	3	209
50	1-84	3	212
51	1-87	3	215
52	1-88	3	218
53	1-91	3	221
54	1-92	3	224
55	1-94	3	227
56	1-95	3	230
57	1-97	3	233
58	1-100	3	236
59	1-101	3	239
60	1-102	3	242
61	1-103	3	245
62	1-105	3	248
63	1-107	3	251
64	1-108	3	254
65	1-110	3	257
66	1-112	3	260
67	1-113	3	263
68	1-116	3	266

69	1-117	3	269
70	1-118	3	272
71	1-120	3	275
72	1-122	3	278
73	1-123	3	281
74	1-124	3	284
75	1-127	3	287
76	1-128	3	290
77	1-131	3	293
78	1-132	3	296
79	1-136	3	299
80	1-138	3	302
81	1-139	3	305
82	1-141	3	308
83	1-142	3	311
84	1-143	3	314
85	1-144	3	317
86	1-145	3	320
87	1-147	3	323
88	1-149	3	326
89	1-150	2	328

**Note :**

The inner folds organisation of numbers ranges is the basis base of Sankhya Nishtha and Yoga Nishtha being complementary and supplementary of each other.

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