

Table 112: ALL Perfect Numbers (PN) are Hexagonal Numbers

line	xz=PN	$n=[(\sqrt{8x+1})+1]/4$	x	(x)/4
1	1	1	1	0.25
2	6	2	2	0.5
3	28	4	4	1
4	496	16	16	4
5	8128	64	64	16
6	33550336	4096	4096	1024
7	8589869056	65536	65536	16384
8	137438691328	262144	262144	65536
9	2305843008139952 128	1073741824	1073741824	268435456
10	2658455991569831 7446546926159538 42176	1152921504606846 976	1152921504606846 976	2882303761517117 44
11	1915619426082361 0729479337808430 3638130997321548 169216	3094850098213450 68724781056	3094850098213450 68724781056	7737125245533626 7181195264
12	1316403645856964 8337239753460458 7229102234723183 8694311778372812 8	8112963841460668 1695789005144064	8112963841460668 1695789005144064	2028240960365167 0423947251286016
13	1447401115466452 4427946373126085 9884815736774914 7483588906635434 9131199152128	8507059173023461 5865843651857942 052864	8507059173023461 5865843651857942 052864	2126764793255865 3966460912964485 513216
14				
15				
16				
17				
18				
19				
20				

Table 112:

But NOT ALL Hexagonal Numbers are PN's. Copyright © 2022, Reginald Brooks, Brooks Design.