

Table162: Sets & Divisors & Factors of PN

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	24 Parameters Exclusive to Set 1	Set 1	Set 2	Set 3
		Mp-PN	Primes	ALL other ODDS
line	Divisors=ALL Factors of PN including # itself Factors=ALL Factors of PN, but NOT # itself	TRUE Active	inActive	inActive
1	# of Divisors	2p	>2p	>>2p
2	# of PN Factors	2p-1	>2p-1	>>2p-1
3	p = Prime	Mp	p	ϕ
4	Mp = z = Mersenne Prime	Mp=z	p≠Mp	p≠Mp≠p
5	# of EVEN Divisors (TOTAL)	2p-2	>2p-2	>>2p-2
6	# of ODD Divisors (TOTAL)	2	≥4	≥4
7	1 st ODD # = 1	+	-	-
8	2 nd ODD # = Mp = "z"	+	-	-
9	p + 1 STEPS → Mp = "z"	+	-	-
10	p STEPS → "x"	+	-	-
11	p = # of STEPS in Central Core (CC)	+	-	-
12	p - 1 ∑ of STEP Values → "y"	+	-	-
13	p + 1 to 2p ∑ of STEP Values → MPS = z ²	+	-	-
14	p + 1 to 2p - 1 ∑ of STEP Values → OC = yz	+	-	-
15	2p - 1 = # of PN Factors	+	-	-
16	2p - 1 ∑ of STEP Values → PN = xz	+	-	-
17	2p STEPS → PN	+	-	-
18	p • ∑ of (1 → p - 1) STEP Values = CR = xy	+	-	-
19	STEP Values: (2p - 1) + (p - 1) = PNS = x ²	+	-	-
20	STEP Values: (2p-1) - (p+1) + (p-1) = OCS = y ²	+	-	-
21	p - 1 # of doublings starting with "1" = "x"	+	-	-
22	∑ of the above (including the "x" value) = Mp = "z"	+	-	-
23	p - 1 # of doublings from the p+1 Values = PN = xz	+	-	-
24	∑ of the above (including the "z" value) = MPS = z ²	+	-	-
STEPS = Divisors from zero to STEP #. STEP Value=the divisor # value CC=the body center core of the Butterfly Fractal 1 (as it represents 2 ⁿ) on the BIM, however, when ALL the ACTUAL divisors are listed, starting from 1, Set 2 and Set 3 show additional divisors beyond the 2 ⁿ values.				

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Set 1 = TRUE, Active "containers" that are the Mp-PN pairings.

Set 2 = inActive "containers" that do have a PRIME number for p, but it is NOT a Mersenne Prime.

Set 3 = ALL the other OOD p's that are NOT PRIME and NOT Mersenne Primes, but do exhibit most of the Exponential Power of 2 (2ⁿ) – Butterfly Fractal 1 – parameters, and then some. The additional divisors in Set 2 and Set 3 are NOT in Set 1.

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