Table Col B=A2 Col C= B-1 Col D = C-3 Col E=D-5…

BBS-ISL Matrix: 50x1000 Showing 24 Factors and the Primitive Pythagorean Triples (PPT)

Mersenne Primes

Mersenne primes (of form 2^p - 1 where p is a prime)

Yellow = All cells ÷ 24 Yellow-Orange = PPT cells (also ÷ 24) AND PPT + "r-steps" value.

PPT Axis value + "r-steps" value = c + r, e.i. 5 + 2 = 7

While some Rows with Yellow cells are NOT PPT Rows, ALL PPT Rows AND PPT+ "r-steps" Rows ALWAYS fall on ROWS with MULTIPLE Yellow cells: @ 1,5,7,11,13,17,19,…, i.e., ALL PPTs, AND PPT+ "r-steps," ALWAYS fall either side of an Axis Row ÷ by 6! PPTs are shown in GRAY

Remember: r=(a+b) - c

SIDE-NOTE

96	85	72
119	108	95
144	133	120

For ANY Square: Sum of Opposite Corners = Center/2

	85	
119	108	95
	133	

For ANY Diamond: Sum of ALL Corners = Center/4

Key Yellow Pattern: + - + - - -, + - + - - -, + - + - - -, …

(PPT Perimeter + "r-steps")÷2 = (P+r)/2 = c + r , e.i. (3+4+5+2)/2=5+2=7.

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referenced as Table VI b

3-4-5 r=2

5-12-13 r=4

8-15-17 r=6

7-24-25 r=6

20-21-29 r=12

12-35-37 r=10

9-40-41 r=8

PRIME Numbers in RED

28-45-53	r=20
11-60-61	r=10
16-63-65	r=14
33-56-65	r=24
48-55-73	r=30
13-84-85	r=12
36-77-85	r=28
39-80-89	r=30
65-72-97	r=40