

Puzzle of the Week

Prime Squares

The first few prime numbers are: 2, 3, 5, 7, 11, 13, 17, 19, and 23. A *Prime Square* is a square grid of numbers in which the numbers in each row and column add up to a prime number. This 3 by 3 square, which uses the numbers from 3 to 11, is almost a Prime Square - it fails because the second row adds up to 15, which is not a prime!

9	3	7	→→ 9+3+7 = 19
6	4	5	→→ 6+4+5 = 15
8	10	11	→→ 8+10+11 = 29
⋮	⋮	⋮	
↓	↓	↓	
9+6+8 = 23	3+4+10 = 17	7+5+11 = 23	

THE CHALLENGE: Use the numbers from 1 to 9 to form a 3 by 3 Prime Square.

1 2 3 4 5 6 7 8 9