

1	2	3		4		5	6	7
8			9	C		10		
11	F				12			
	13			14			D	15
16			17		18			
B		19					20	
21	22					23		
	24		E		25			26
27				28				
29				A		30		

Across

1. Square
4. Square
8. Square
10. Sophie Germain
11. Square
12. Power of 2
13. $7D + 5$
14. Fibonacci
16. Emirp
18. $23A + 5$
19. Pronic
20. Heegner
21. Fibonacci
23. Delannoy
24. Square
25. Square
27. Achilles
28. Fibonacci
29. Achilles
30. Triangular

Down

1. Sphenic and triangular; anagram of 26D
2. Square
3. $18A$ squared
4. Emirp
5. Triangular
6. Fibonacci
7. Heegner
9. Square
12. Square
15. $20A$ squared
16. Fibonacci
17. Square and power of 2
19. Achilles
20. Square
22. Square
23. Fibonacci
25. Triangular
26. Binary palindrome
27. $19A + 1$
28. Square

Hints and Observations

- No number starts with a zero
- No number appears more than once
- All answers are base 10
- Use the OEIS