The Liersch-Patki Crossnumber

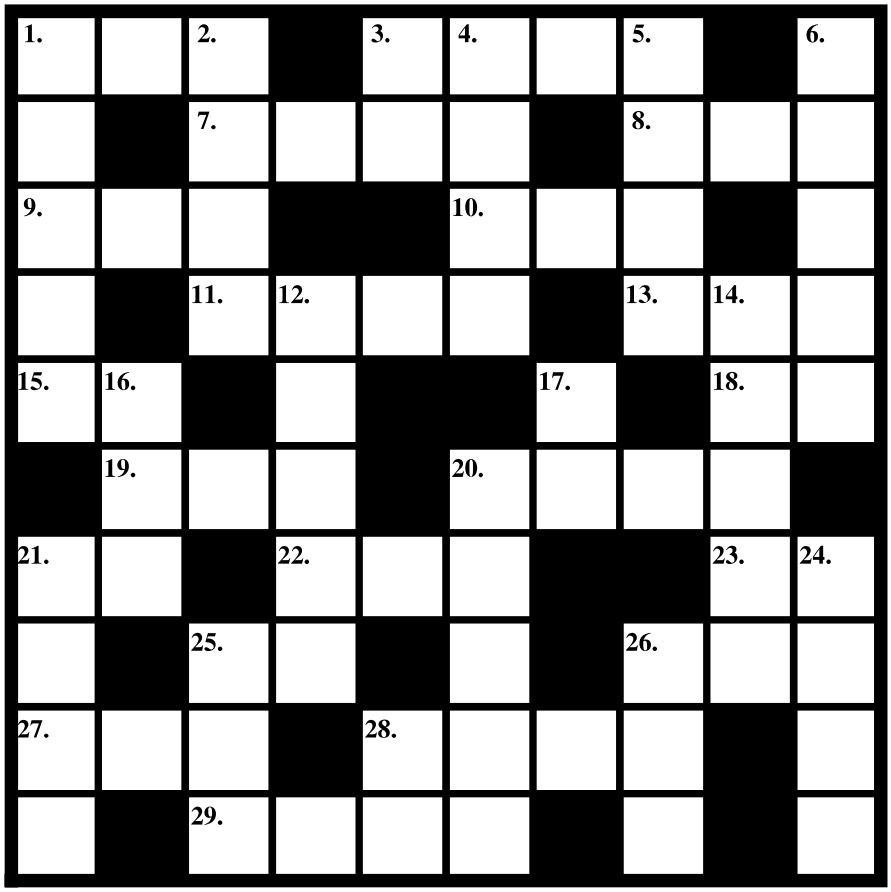

Figure 30:

Across Clues

1. 1 Across has the same digit sum as 1 Down

3. 10 Across $\times 11$

7. A multiple of the digit sum of 13 Across

8. (15 Across)^2

9. (17 Down)^2

10. (The digit sum of 17 Down)^3

11. 11 Across has the same digit sum as 12 Down

13. 15 Across $\times$ the digit sum of 6 Down

15. The digit sum of 26 Across

18. 17 Down + the digit sum of 10 Across

19. 19 Across has the same digit sum as 27 Across

20. 23 Across $\times$ 233

21. 21 Down $\div$ the square root of 1 Down

22. (Half the digit sum of (20 Down - 1))^2

23. The digit sum of 14 Down

25. (The third digit of 22 Across)^2 - (the first digit of 22 Across)^2 - (the second digit of 22 Across)^2

26. (21 Across)^2

27. 11 Across $\div$ 4

28. (28 Down)^2 $\times$ 17 Down

29. 2 Down $\div$ 3

Down Clues

1. (7 Across $\div$ 63)^2

2. The sum of the fourth powers of the digits of 26 Down

3. 840 - 19 Across

4. 8 Across $\times$ the digit sum of 8 Across

5. 10 Across $\times$29

6. 3 Across $\times$ the digit sum of 5 Down, written backwards

12. (25 Across)^2 $\times$ 43

14. 20 Down + 7 Across - 38

16. The digit sum of 24 Down $\times$ the square root of 24 Down, with the digits rearranged

17. The sum of the prime factors of 4 Down

20. 1 + 2 Down $\times$ 7 + 10 $\times$ (the square root of 24 Down - the square root of 25 Down)

21. 21 Across $\times$ the square root of 1 Down

24. (The digit sum of 20 Across) $\times$ (23 Across)^2

25. 28 Across $\div$ 15

26. The sum of the cubes of the digits of 16 Down, written backwards

28. The digit sum of 29 Across