Gordon Burgin's Puzzles

July 2024 challenge

Numerical Crossword Puzzle #1

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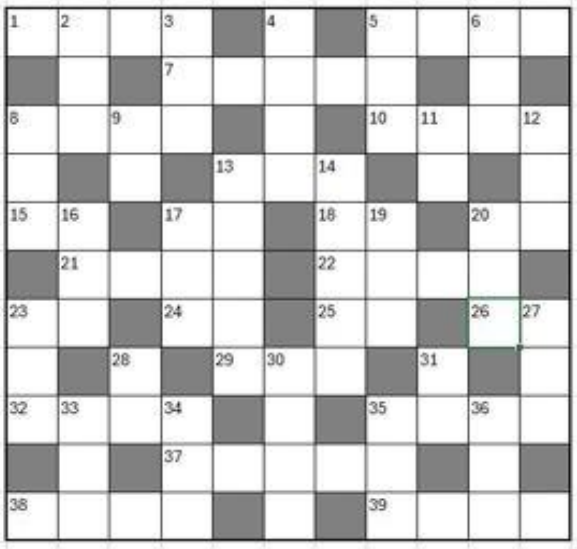

ACROSS

1 Consecutives ascending digits, digit product equals one hundred and twenty

5 A third of 38 ACROSS plus a quarter of 8 ACROSS

7 1 ACROSS times one of its digits

8 Half of 1 ACROSS reversed

10 Digital product equals 5 DOWN plus four

13 Digital product equals half of 27 DOWN

15 24 ACROSS minus 25 ACROSS

17 A sixth of 3 DOWN

18 Sum of digits in top row

20 Square root of 6 DOWN

21 First two plus last two digits equal first three digits of 4 DOWN

22 A quarter of 37 ACROSS minus a quarter of 13 DOWN

23 A sixth of 16 DOWN

24 Square of digit total of 5 DOWN

25 A square number

26 Two highest digits from 14 DOWN

29 Digit product equals 6 DOWN

32 First two plus last two digits equal square of 20 ACROSS

35 14 DOWN minus 37 ACROSS

37 7 ACROSS plus its reverse

38 Average of the reverses of 1 ACROSS and 8 ACROSS

39 Products of square roots of 25 ACROSS, 31 DOWN, 28 DOWN and 24 ACROSS

DOWN

2 One digit is sum of other two

3 Digit total equals 20 ACROSS

4 Digital product of 37 ACROSS

5 Digital product of (7 ACROSS plus 37 ACROSS)

6 Square of third of 28 DOWN

8 Average of 6 DOWN and 27 DOWN

DOWN

9 Sum of square roots of 28 DOWN and 24 ACROSS

11 Product of square roots of first two and last two digits of 37 ACROSS

12 A third and a quarter of 39 ACROSS

13 38 ACROSS times one of its digits

14 Eight times the square root of 24 ACROSS followed by 6 DOWN rearranged

16 Third of 4 DOWN

17 Digit product equals a third of 4 DOWN

19 Digits five through seven, not in order

20 First two digits of 35 ACROSS plus last two digits

23 20 DOWN plus its reverse

27 Product of outside digits of 10 ACROSS and 21 ACROSS

28 A third of first two digits of 8 ACROSS times a quarter of last two

30 First two and last two digits are both square numbers

31 Square of digit sum of 25 ACROSS

33 Last digit minus middle digit equal first digit

34 (quarter of 10 ACROSS) rearranged

35 One digit is the sum of the other two

36 Alternate digits from 7 ACROSS rearranged

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