

# Numerical Crossword

This is a more challenging puzzle for those of you who enjoy the Dateline puzzle. Be warned, it's not easy! A couple of terms that might need defining: 'product' is the result of a multiplication; 'sum' is the result of an addition; 'digit total' is the sum of all the digits in the number.

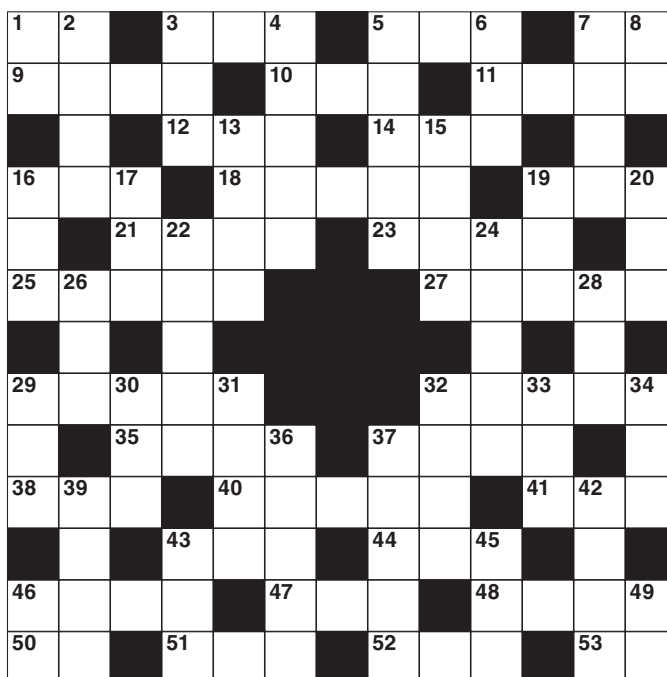
Starter hint: 1 Across is easier than it looks!

## ACROSS

- 1 First digit is twice the second digit and they total 7 across
- 3 Two thirds of 5 across
- 5 3 down plus 1 across
- 7 Square root of 14 across
- 9 1 across times 7 across
- 10 3 across plus 5 across
- 11 Consecutive digits
- 12 Twice 10 across
- 14 One quarter of 16 down
- 16 Total of all answers in the top row
- 18 27 across plus 20 down
- 19 Half 6 down
- 21 35 across minus 11
- 23 Consecutive digits, not in numerical order
- 25 Digits of 1 down and 16 down rearranged
- 27 11 across times its first digit
- 29 First two digits are half the last three digits
- 32 24 down reversed
- 35 Consecutive even digits
- 37 First two digits of 3 across followed by first two digits of 10 across
- 38 Reverse of a square number
- 40 29 across reversed
- 41 49 down reversed plus 3 across
- 43 Each digit is one less than the corresponding digit of 5 across
- 44 Palindrome i.e. reads the same in both directions
- 46 First digit of 38 across squared, followed by first digit of 50 across squared
- 47 First two digits of 32 across times their total
- 48 First two digits minus last two digits equal 50 across
- 50 First two digits of 14 across plus the last two digits
- 51 Fourteen times 49 down
- 52 Consecutive digits, not in numerical order
- 53 Digit total of 47 across

## DOWN

- 1 Three times 8 down
- 2 Digit total is the same as that of 3 across
- 3 21 across divided by 13
- 4 Digit total equals one quarter of 1 across
- 5 Digits of 7 across and 17 down rearranged
- 6 5 down divided by the last two digits of 5 across



- 7 Last digit is total of the other three digits
- 8 If multiplied by its last digit equals 3 down
- 13 All digits are odd
- 15 First digit is average of all the digits
- 16 Twice (17 down plus 26 down)
- 17 46 across divided by 53 across
- 19 Consecutive digits, not in numerical order
- 20 Last digit equals the product of the other two digits
- 22 Only two different digits used; total equals 24
- 24 Twice 4 down
- 26 One sixth of 52 across
- 28 Four times 19 across
- 29 16 across plus 26 down
- 30 Square number
- 31 All digits are the same
- 32 First two digits equal two thirds of the last two digits
- 33 17 down rearranged
- 34 5 across plus 14 across
- 36 First two digits equal one third of the last three digits
- 37 Consecutive odd digits
- 39 35 across rearranged
- 42 34 down plus its reverse
- 43 1 across plus 46 down plus 50 across
- 45 38 across plus 43 down
- 46 First two digits of 2 down minus the last two digits
- 49 Sum of the squares of each digit of 8 down

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