

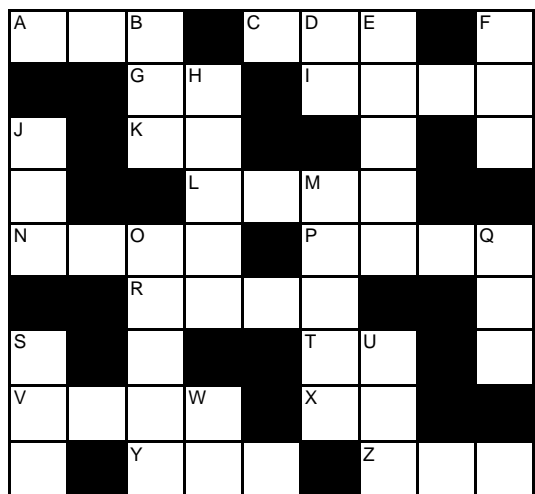


# Mathematical Maelström

12

Use the clues provided to solve the number puzzle.

"Across" and "down" are not specified as each letter only corresponds to one answer. No number begins with zero. A calculator could come in handy!



**A** is divisible by twelve

**B** is prime

**C** is prime

**D** is equal to three times the sum of its digits

**E** is a cube

**F** is a palindromic prime

**G** is divisible by seven

**H** is a palindrome

**I** is a multiple of  $D^2$

**J** is a factor of A

**K** is the sum of the digits of H

**L** is a square

**M** is a cube

**N** is a palindrome

**O** is a cube

**P** is a square

**Q** is divisible by seven, and would still be divisible by seven if its digits were reversed

**R** is a multiple of Z

**S** is the product of the digits of A

**T** is prime

**U** is three times a square

**V** is a multiple of C

**W** is the sum of the digits of Q

**X** is both a square and a triangular number

**Y** is the sum of the cubes of its digits

**Z** is the product of three consecutive numbers

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