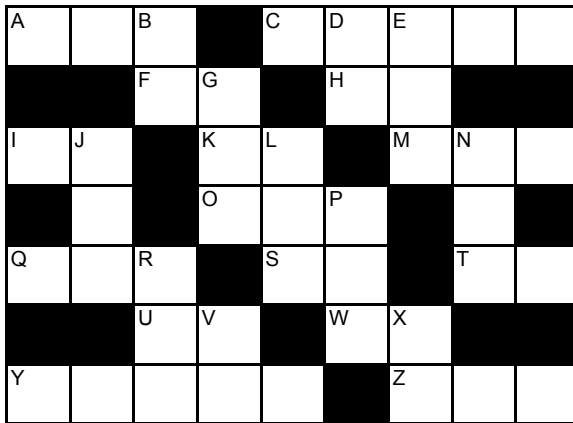




# Mathematical Maelström

7

## "Don't Think Outside the Square"



List of all three-digit squares:

100 121 144 169 196 225 256 289 324 361 400  
 441 484 529 576 625 676 729 784 841 900 961

Complete the grid so that each expression below equates to a square number. "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, as could the list of all three-digit squares provided. Just remember, don't think outside the square!

- |                          |                          |                           |
|--------------------------|--------------------------|---------------------------|
| $(A \div X)$ is a square | J is a square            | $(R + 2I)$ is a square    |
| B is a square            | $2K$ is a square         | $(R + V)$ is a square     |
| C is a square            | L is a square            | $(T \div 7)$ is a square  |
| $(C + P)$ is a square    | N is a square            | $(U \div 3)$ is a square  |
| $(D + H)$ is a square    | $(N - M)$ is a square    | W is a square             |
| E is a square            | O is a square            | Y is a square             |
| F is a square            | $(P + S)$ is a square    | $(Y - Z)$ is a square     |
| G is a square            | $(Q \div I)$ is a square | $(Z \div 12)$ is a square |