

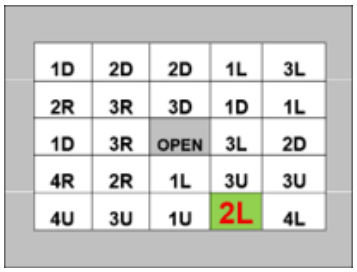
Gordon Burgin's Puzzles

October 2026 solution

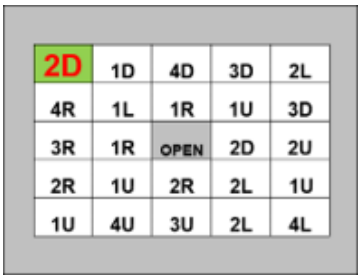
Safety Codes

To open each safe, you must enter their Safety-code in the correct order. The number on each key tells you how many squares to move, and the letters tell you in which direction (U = up, D = down, L = left or R = right). From the following safes' entry keypads, can you determine which is the first key that must be pressed in the code in order to open each safe?

Safe A



Safe B



Alphametics

Find the number equivalent for the following alphametic expressions to make the equations true. Each letter is unique with values from 0 to 9.

1. XYZ + XYZ + XYZ = ZZZ
   185 + 185 + 185 = 555

2. MATH + ATH + TH + H = 5000
   3965 + 965 + 65 + 5 = 5000

3. ZERO + ONE + TWO = THREE (given R = 3)
   9635 + 546 + 185 = 10366 &
   9635 + 586 + 145 = 10366

4. TWO + THREE + SEVEN = TWELVE (given V = 5)
   106 + 19722 + 82524 = 102352 &
   104 + 19722 + 82526 = 102352

5. SEVEN + SEVEN + SIX = TWENTY (given I = 5, W = 3 and X = 0)
   68782 + 68782 + 650 = 138214

Letter Grid

In the following diagram, each of the nine letters stand for a number (1 through 9, without repeats). Using the following clues, can you determine the number that represents each letter **A** through **I**?

Clues:

1. In one diagonal, each number is a square.
2. **D**, **C** and **I** are odd numbers in ascending order.
3. **G** is the sum of **A** and **F**.
4. **B** is the product of **E** and **H**.
5. One row has consecutive numbers in some order.

1	8	7
3	4	5
6	2	9

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