# HOW TO SOLVE A SUDOKU PUZZLE

Each Sudoku puzzle consists of a 9-by-9 grid of numbers that has been partly filled in. The goal is to fill in all the remaining empty squares so that each row, each column and each 'region' contains all of the numbers from 1 to 9 once only.

| The state of the s | 4 | 1 | 6 | 9 | 7 | 2 | 8 | 5 | 3 |
|--|---|---|---|---|---|---|---|---|---|
| - AND PROPERTY AND | 3 | 5 | 7 | 1 | 6 | 8 | 2 | 9 | 4 |
| photogramman and a second  | 9 | 8 | 2 | 5 | 3 | 4 | 1 | 7 | 6 |
| Same Same  | 7 | 4 | 3 | 2 | 8 | 6 | 5 | 1 | 9 |
|  | 5 | 6 | 9 | 3 | 1 | 7 | 4 | 2 | 8 |
|  | 8 | 2 | 1 | 4 | 5 | 9 | 3 | 6 | 7 |
|  | 2 | 9 | 5 | 6 | 4 | 3 | 7 | 8 | 1 |
| 100  | 6 | 7 | 4 | 8 | 2 | 1 | 9 | 3 | 5 |
| -  | 1 | 3 | 8 | 7 | 9 | 5 | 6 | 4 | 2 |

#### ROW

Each row must contain the numbers 1, 2, 3, 4, 5, 6, 7, 8 and 9. Since no numbers may be repeated, each row is different.

#### COLUMN

Each column must contain the numbers 1, 2, 3, 4, 5, 6, 7, 8 and 9. Since no numbers may be repeated, each column is different.

### REGION

Each Sudoku consists of 9 'regions.' A region is a 3-by-3 number grid. As with each row and column, each region must contain the numbers 1, 2, 3, 4, 5, 6, 7, 8 and 9. Since no numbers may be repeated, each region is different.

## PUZZLE 1

|   |   |   | 6 |   | 2 |   |   | 7   |
|---|---|---|---|---|---|---|---|-----|
| 5 | 3 |   |   |   | 7 | 4 |   |     |
|   |   | 7 |   | 1 |   |   |   | 6   |
| 1 |   | 3 |   | 2 |   | 5 |   | 200 |
|   | 5 |   | 7 |   | 1 |   | 6 |     |
| , |   | 2 |   | 3 |   | 8 |   | 1   |
| 3 | , |   |   | 7 |   | 1 | 1 |     |
|   |   | 8 | 5 |   |   |   | 2 | 9   |
| 2 |   |   | 1 |   | 9 |   |   |     |

EASY

## PUZZLE 4

| 9 | 1 |      |   | 8 | 2  |    |    |   |
|---|---|------|---|---|----|----|----|---|
|   |   |      | 3 |   | 4  |    |    | , |
|   |   | 4    |   | 9 |    | 5  |    |   |
| 3 | 2 |      | 4 | 7 |    |    | 8  |   |
| 4 | 7 |      |   |   | 12 |    | 6  | 2 |
|   | 8 | 9    |   | 3 | 1  | 12 | 5  | 4 |
|   |   | 2    |   | 4 |    | 6  |    |   |
|   |   | 2    | 1 | e | 3  | 4  | ŝ, |   |
|   |   | er é | 9 | 6 |    |    | 2  | 1 |

**EASY**