CAPTCHA Sudoku by Bill Murphy

Standard Sudoku rules (insert a number from 1 to 9 into each cell so that no number repeats in any row, column, or bold region). If a white circle is given between two adjacent cells, then the two numbers in those cells must differ by 1. If a black circle is given between two adjacent cells, then the two numbers must have a ratio of 2. Within regions containing a two-wheeled vehicle, all dots are given. (Pairs of cells sharing a border across regions may still differ by 1 or have a ratio of 2.)