



## Rules of the Puzzle

- Fill the  $6 \times 6$  grid by assigning each cell:
  - one of six colors, and
  - optionally a number 1, 2, or 3.
- In each **row** and each **column**, the numbers 1, 2, and 3 must each appear exactly once.
- Each color must occupy exactly 6 cells, forming a single orthogonally connected region.
- Each color region must contain exactly one 1, one 2, and one 3.
- Some cells are **pre-colored**; these are fixed and cannot be changed, they also cannot contain a number.
- Numbers written at grid intersections give the sum of all numbers in the surrounding  $2 \times 2$  block.
- All color regions must have different shapes.