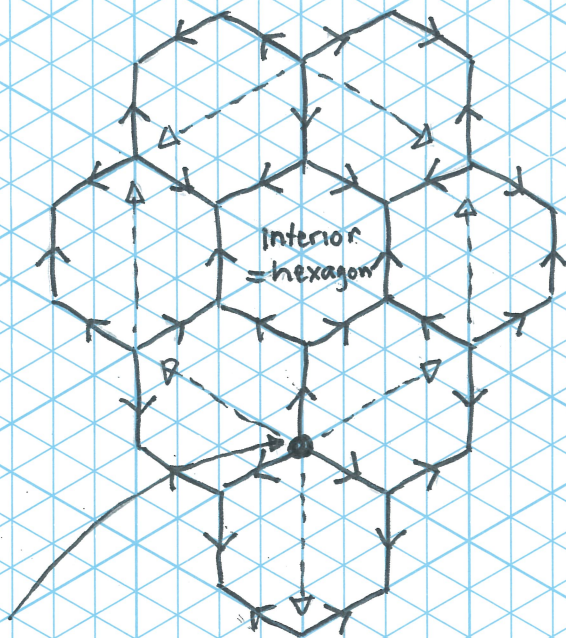


centre of 5-fold symmetry

The long diameters of these hexagons make the sides of bigger hexagons, and so forth, in Penrose's rhombic tiling. The interiors of the bigger hexagons are filled with other rhombic arrangements, e.g. star.

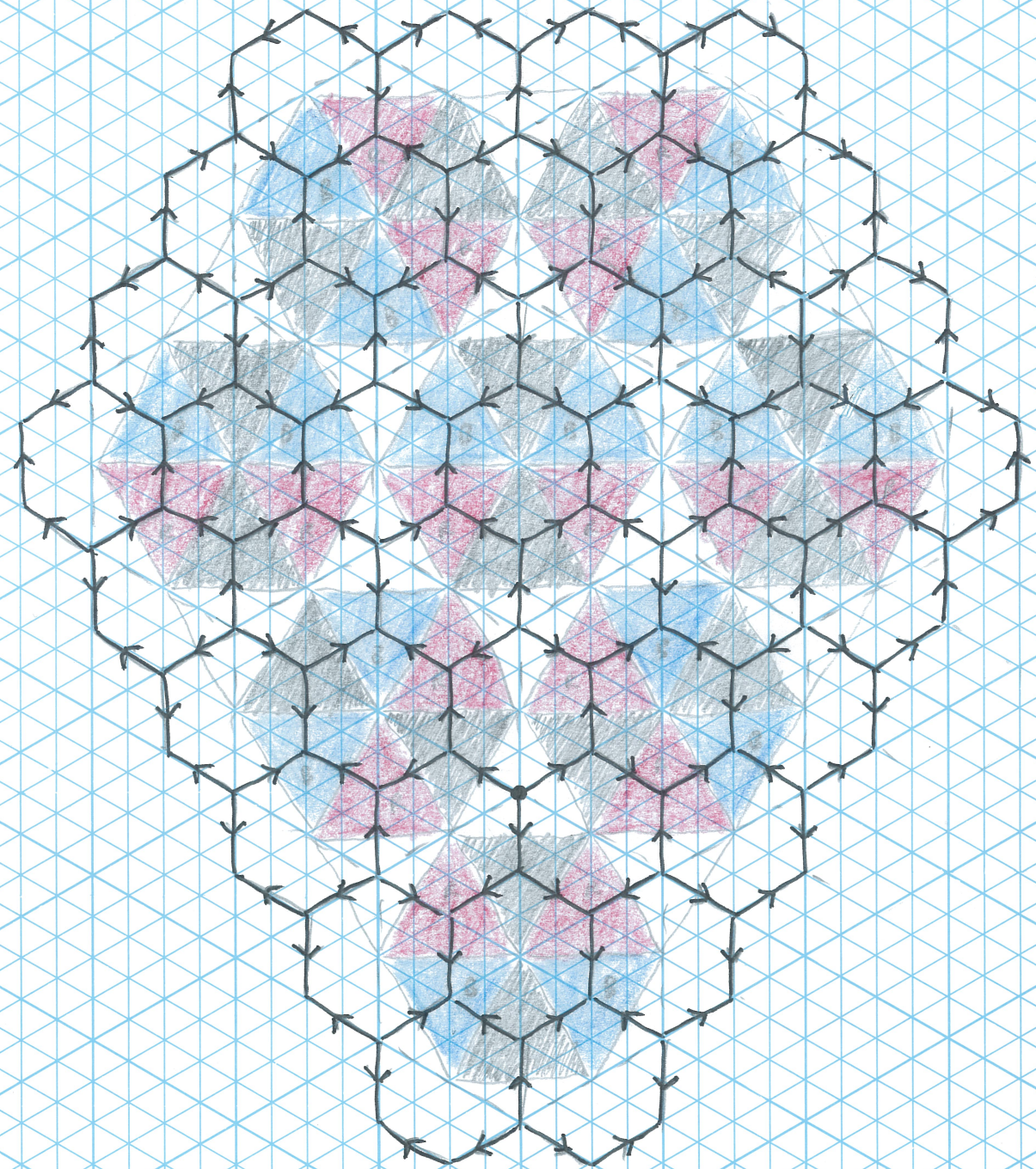
The 3-fold symmetric case has room only for one hexagon in the interior of a ring of 6 hexagons, so is simpler.



centre of 3-fold symmetry

Dual Tiling: Node to Triangle

- 0 in arrows = white
- 1 in arrow = black
- 2 in arrows = red
- 3 in arrows = blue



A decorated single hexagon can be picked out with vertices at the centroids of the white triangles.