Geometry Explorations with Tangrams

Activity 3

This is appropriate for students in 4 - 5 grade. Tangrams can also be used to develop problems where more than one solution is possible, or where a solution is possible only if we modify the condition of the problem.

Find whether you can form a square with exactly:

    a) one piece
    b) two pieces
    c) three pieces
    d) four pieces
    e) five pieces
    f) six pieces
    g) seven pieces

For each case find as many solutions as possible. Use the grid to record your solutions.