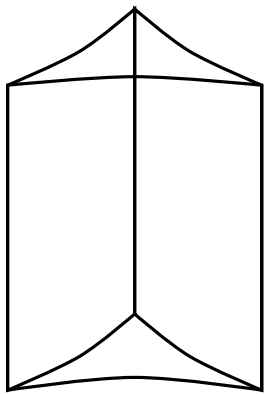


Mathematical Christmas Tree

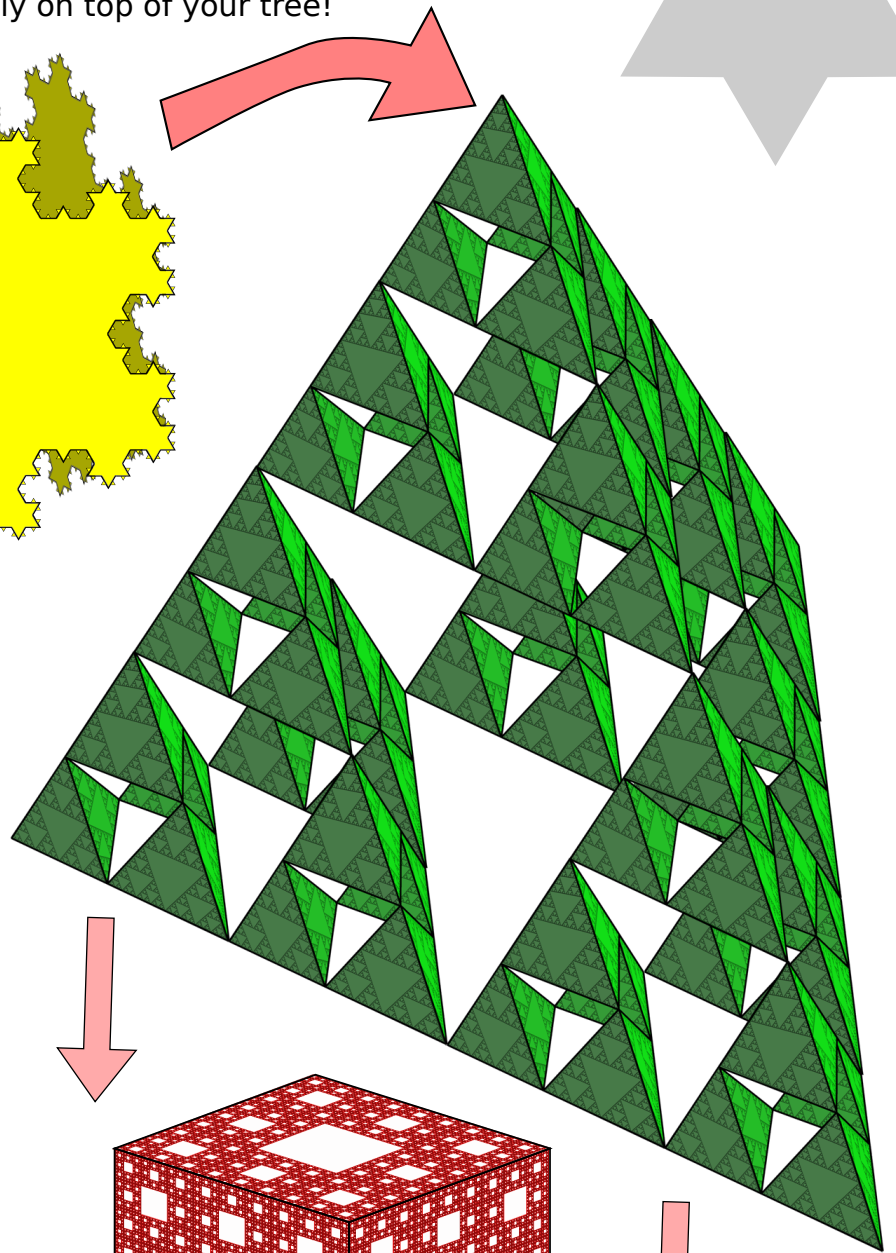
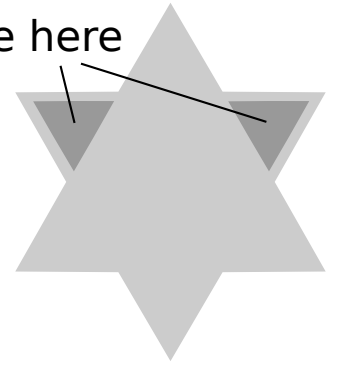
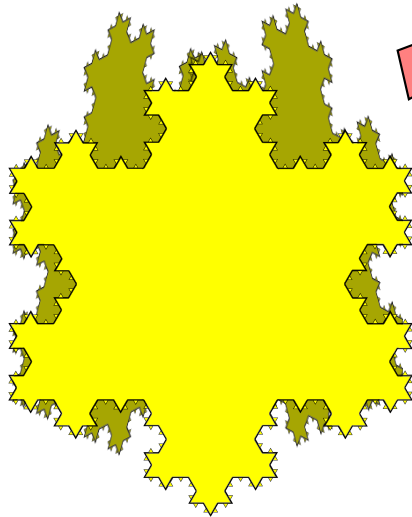
Part 1. Koch Snowflake star

Print three of the snowflake on the attached sheet (on yellow card if you have it), and cut it out - it's up to you what level of detail you cut. Then glue or staple the stars in the places shown, to join the three stars into a triangular prism shape by gluing the edge of each to the back of one other. This should sit nicely on top of your tree!

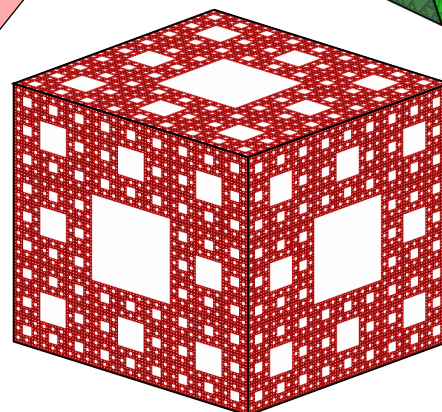
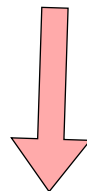
glue here



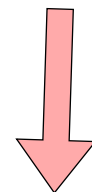
prism structure



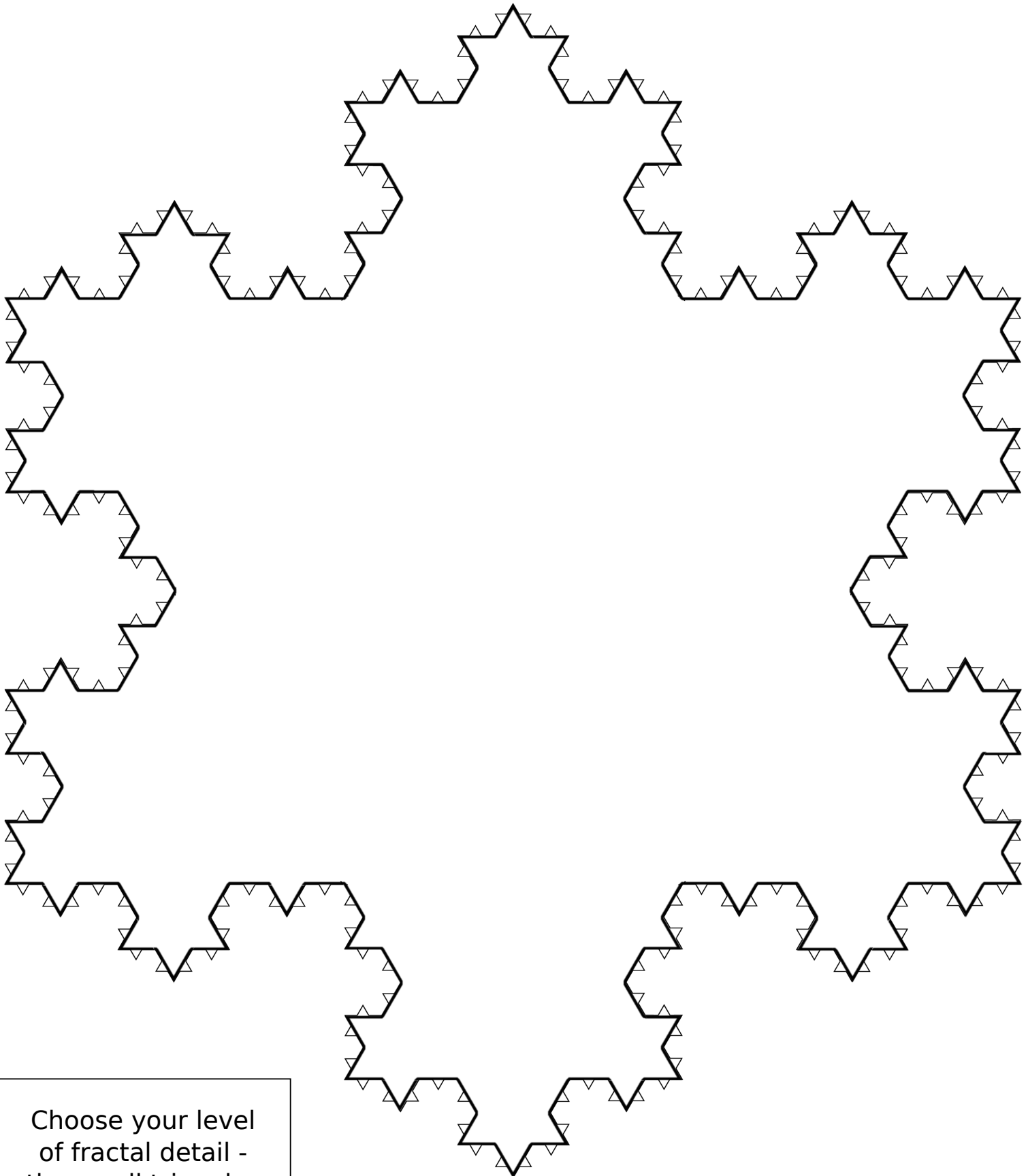
Part 2. Sierpinski Tetrahedrons - make 64 tetrahedrons and assemble into one large tetrahedron (See worksheet - print them on green card if you have it)



Part 3. Menger Sponge - make 12 units and assemble one sponge (See worksheet - print them on red card if you have it)



Koch Snowflake



Choose your level
of fractal detail -
the small triangles
are optional!