Mathematics

Tessellating quadrilaterals

Independent Task

Miss Oreyomi

Questions

kite tessellation

delta tiles

gaps overlaps

A _____ is the tiling of a region using one or more shapes called _____, with no _____ and no _____. In this example the tiles used are a _____ and a _____.
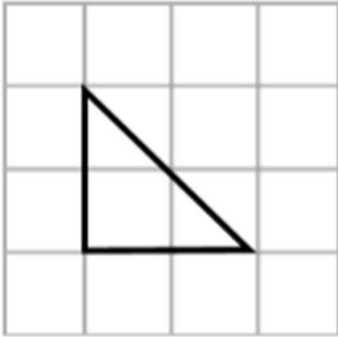
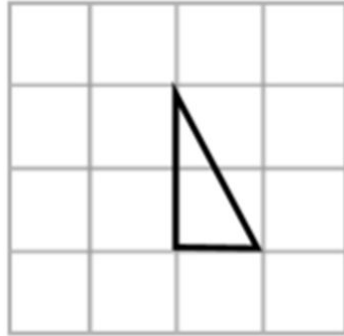# Questions

1. Create a tessellation pattern using eight copies of each of the following triangles:
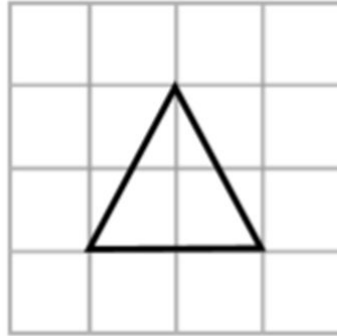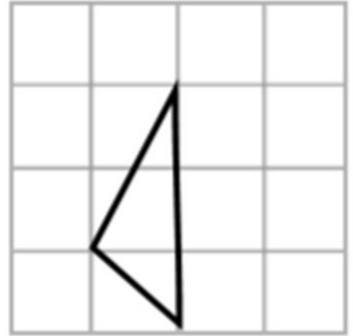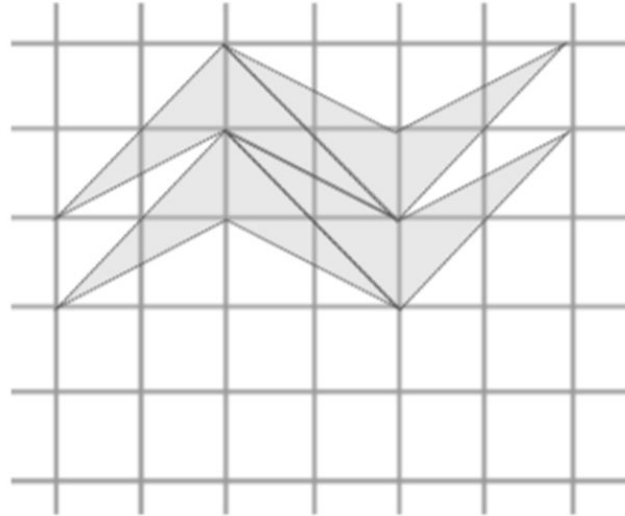
a)   b)   c)   d)

Questions

Copy and complete the tessellation pattern using an additional eight deltas:

Questions

Roger is exploring how two different types of tile, a delta and a kite, can be used to create tessellation patterns:

He made four different arrangement of tile, they are shown below:

Using these images, and the properties of each quadrilateral, find the interior angles of each tile. What other patterns can you design?