

Mathematics

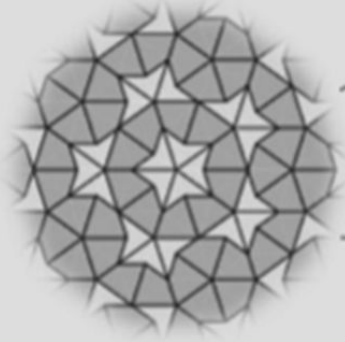
# **Tessellating quadrilaterals**

## **Independent Task**

Miss Oreyomi



# Questions



kite

tessellation

delta

tiles

gaps

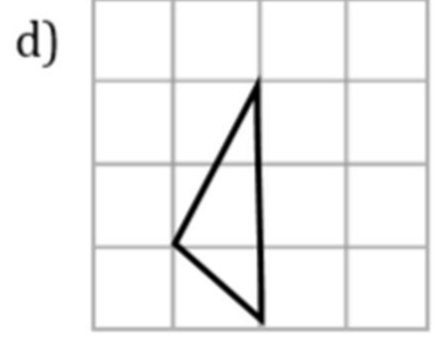
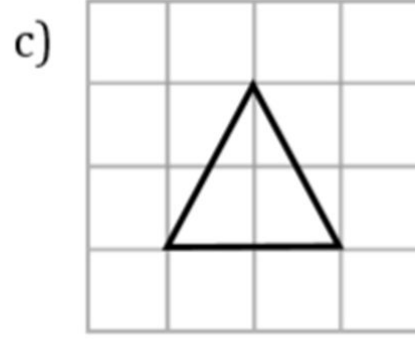
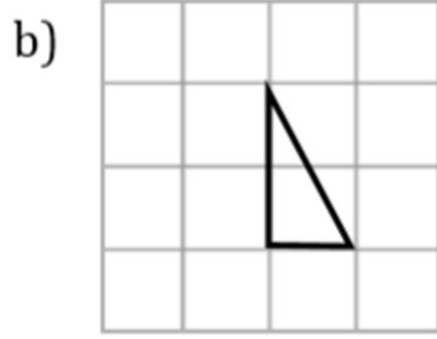
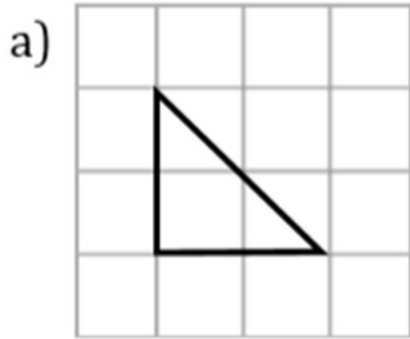
overlaps

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 \_\_\_\_\_.



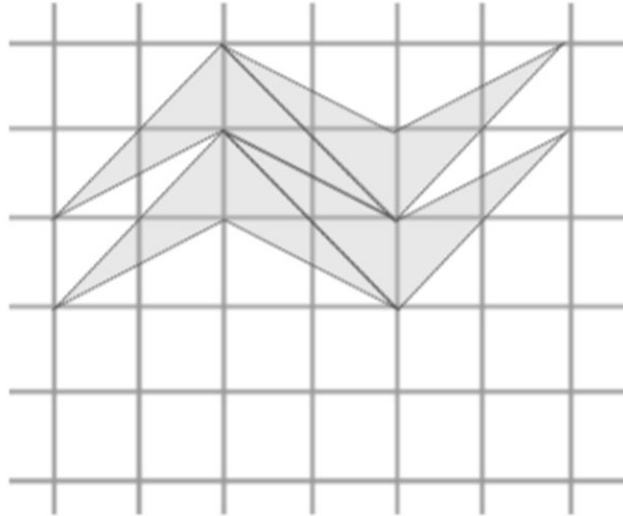
# Questions

1. Create a tessellation pattern using eight copies of each of the following triangles:



# 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?

