Show on this diagram why a 5-fold axis is incompatible with a crystal of translationally related Unit cells.

Explain briefly why.
On this diagram of a two dimensional crystal draw a sensible choice for the unit cell. Explain why your choice is a unit cell.
This 2-D drawing shows a crystal of squirrels:
Consider only possible two-fold axes that are perpendicular to the page, i.e. you are looking down along the line of their individual axes.

a) MARK at least one of each of the 4 distinctly different squirrel 2-fold axes: Use different symbols for each type axes (i.e. that touch different parts of the squirrels that are related by those 2-fold axes.).

b) DRAW a rhombus-shaped unit cell with the MINIMUM amount of squirrel that can be translated to completely cover the space.

c) DRAW another unit cell, a rectangle, that holds TWICE as much but has right angles at the corners.