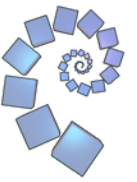# Isosceles Triangles

On a square grid, draw some isosceles triangles with an area of $9cm^2$ and a vertex at (20,20).

If all the vertices have whole number co-ordinates, how many different triangles is it possible to draw?

Can you explain how you know that you have found them all?