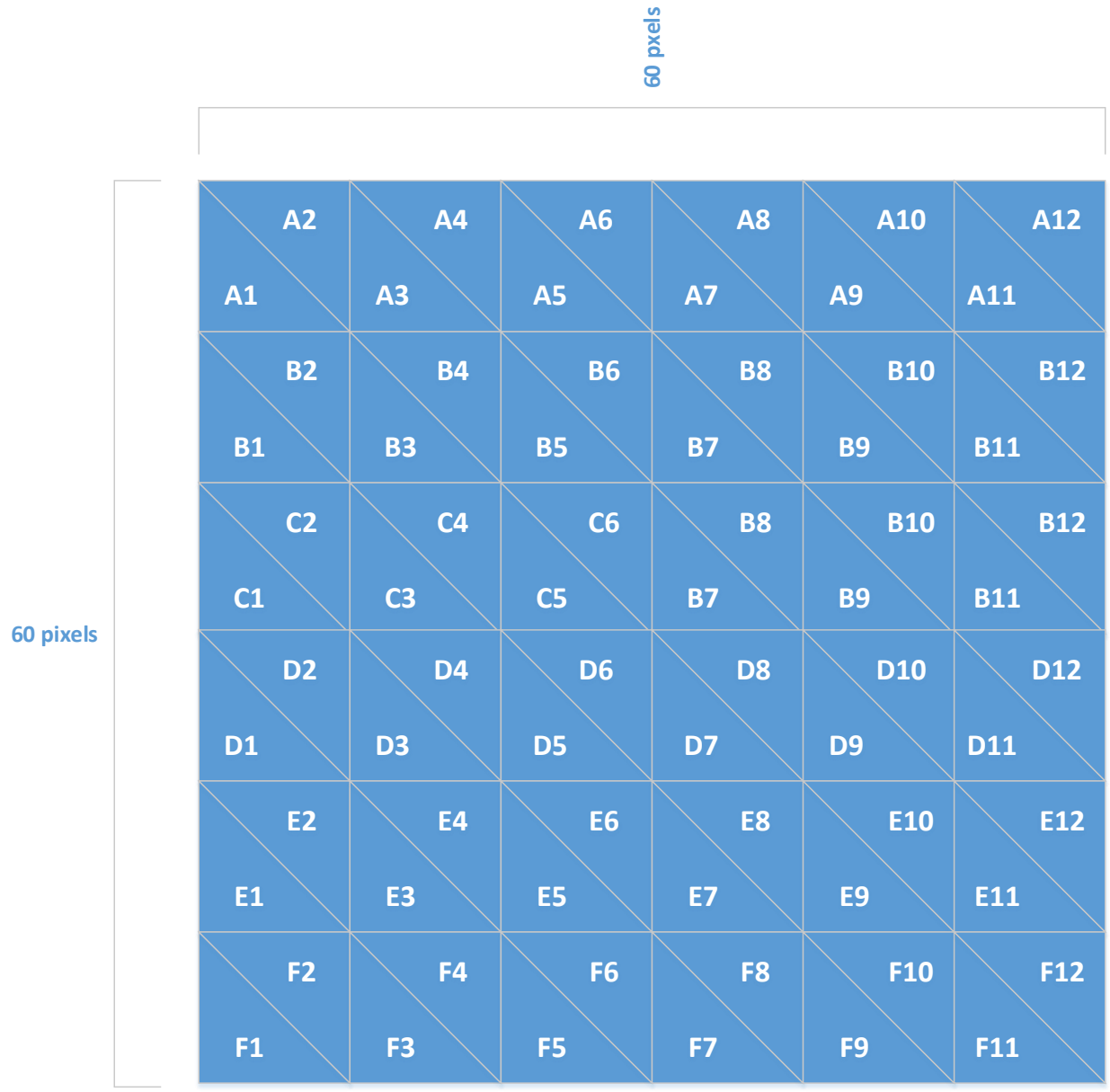
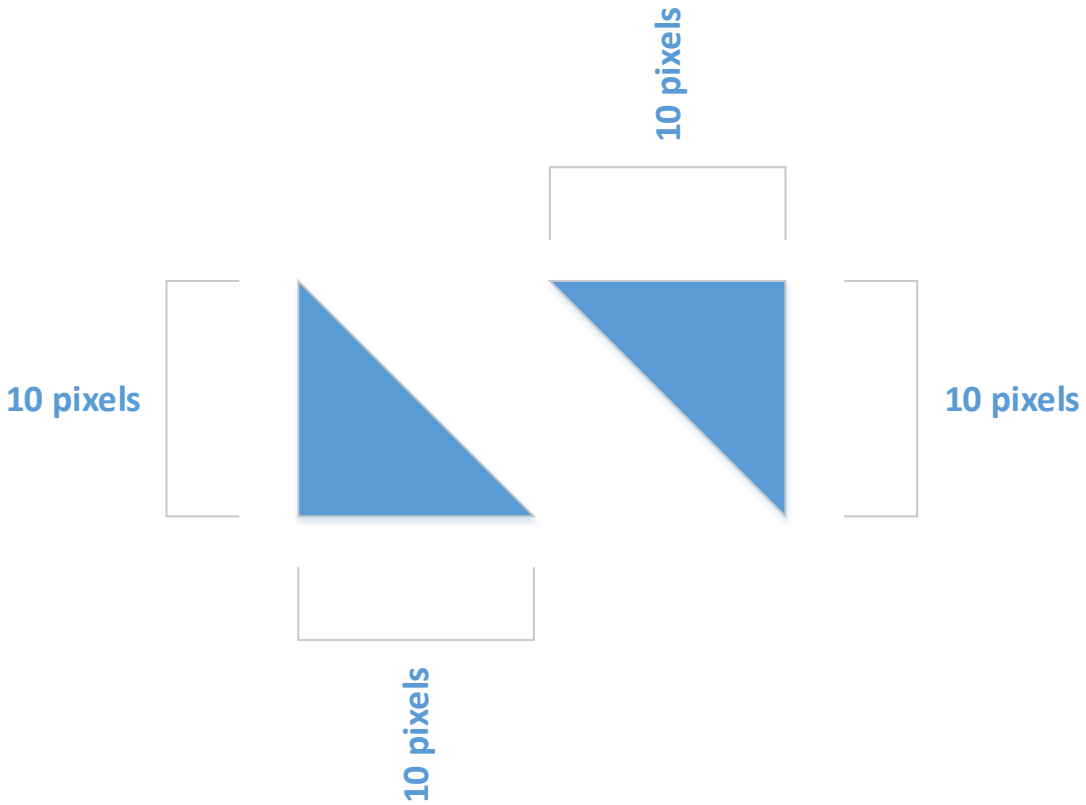
The task, calculate the triangle coordinates for an image with right triangles such that for a given row (A-F) and column (1-12) you can produce the layout below:



Each non-hypotenuse side of the triangle is as follows:



Lastly, given the vertex coordinates, calculate the row and column for the triangle: