Coding Opaque Triangles

- 1. Copy text from http://steamcoded.org/graphpaper4q.svg.txt
 and paste into an editor, and save as triangles.svg
 Note: this file will adjust SVG coordinates to be like a normal piece of graph paper
- 3. Reuse the triangle with a <use> element and scale it by 7/8 = 0.875, then translate it by -50 (400/8) in both the x and y directions as shown: <use xlink:href="#triangle" transform="translate(-50,-50) scale(0.875)" />
- 4. Copy the <use> element of step 3 and paste on the next line, then change the transform attribute to translate it by 50 in the x direction and -50 in the y direction hint: transform=translate(50,-50) scale(0.875)"
- 5. Copy the 2 lines of code from steps 3 and 4 and paste on the next line, then change the transform attributes to scale by 6/8 = 3/4 = 0.75 and translate by +/- 100 (400/8)*2 hint: change the 50 to 100 but don't change the sign
- 6. Paste the code again, then change the transform attributes to scale by 5/8 = 0.625 and translate by +/- 150 (400/8)*3
- 7. Paste the code again, then change the transform attributes to scale by 4/8 = 1/2 = 0.5 and translate by +/-200 (400/8)*4
- 8. Paste the code again, then change the transform attributes to scale by 3/8 = 0.375 and translate by +/-250 (400/8)*5
- 9. Paste the code again, then change the transform attributes to scale by 2/8 = 1/4 = 0.25 and translate by +/-300 (400/8)*6
- 10. Paste the code again, then change the transform attributes to scale by 1/8 = 0.125 and translate by +/-350 (400/8)*7
- 11. Change the style attribute of the <path> element with id="triangle" to be stroke:none instead of stroke:white
- 12. Hide the grid by changing the style attribute of the group with id="grid" to be style="display:none;" instead of style="display:nitial;"
- 13. Find the group <g> element: <g style="opacity:0.5;stroke:black;stroke-width:2px;"> and change the opacity from 0.5 to 1, then change the stroke-width to 4px