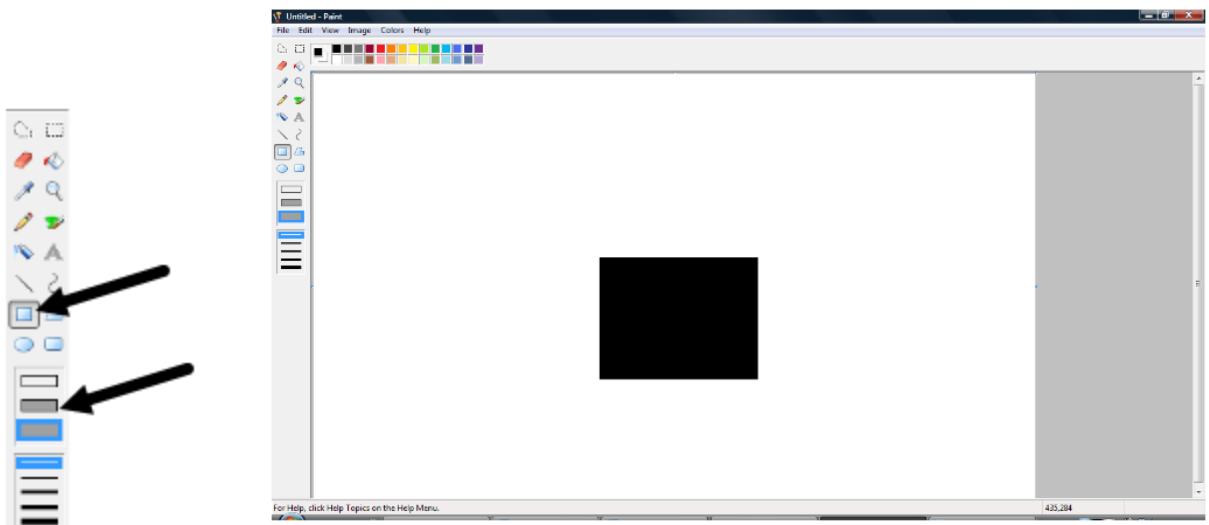


# To create a tessellation in Microsoft Paint:

1. Open "Paint"
2. Click on "View" and mouse over "Zoom." Go to "Custom Zoom" and choose the 200% zoom feature.
3. Make sure you click the "Transparent Background" feature for selections.



4. Use the Rectangle Drawing feature and make sure you are creating a rectangle that will be filled in with the color selected. Create a rectangle on your screen. It does not have to take up a lot of the screen.

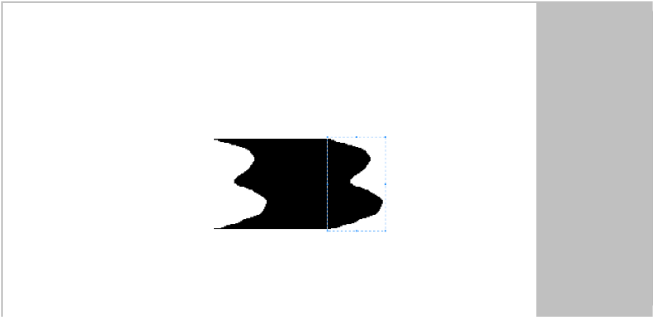


5. Now select the "Free Form Select" tool and make sure the background is set to transparent.

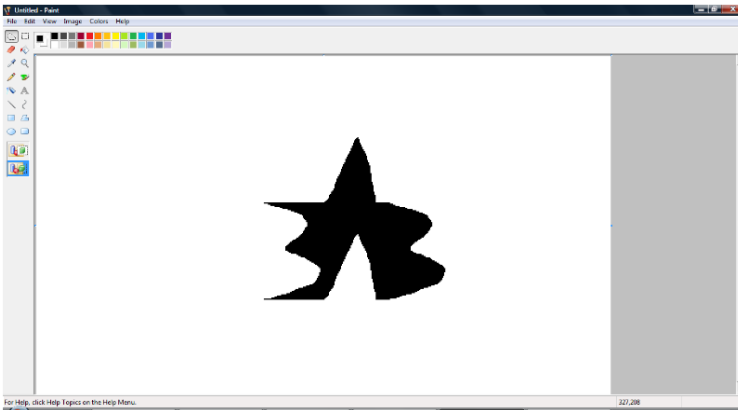


6. "Cut out" a portion of your rectangle and then using your mouse, drag it directly over to the opposite side of the rectangle. You may repeat this step as many times as you'd like to create your tessellation pattern.

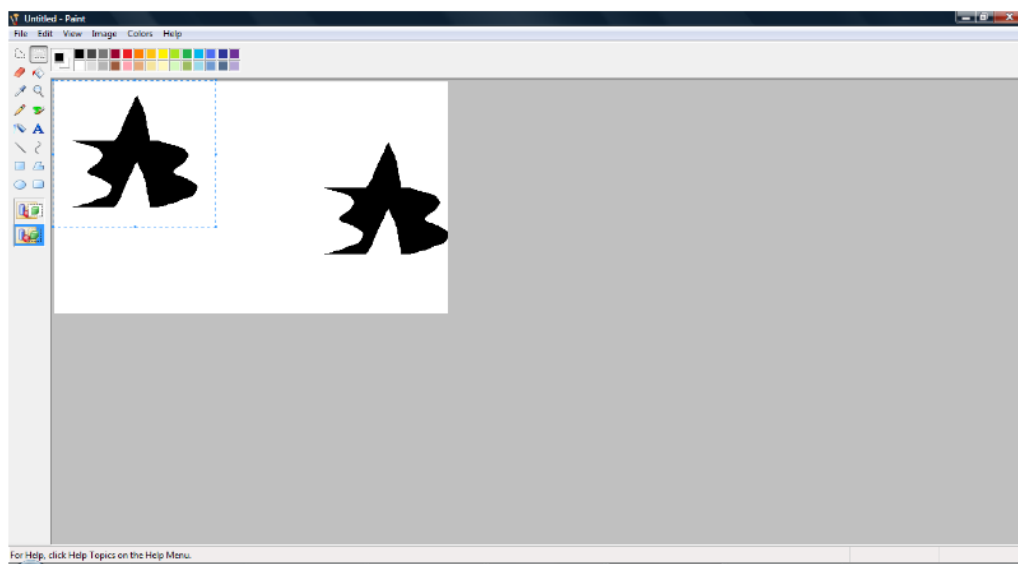
Example: one cut out



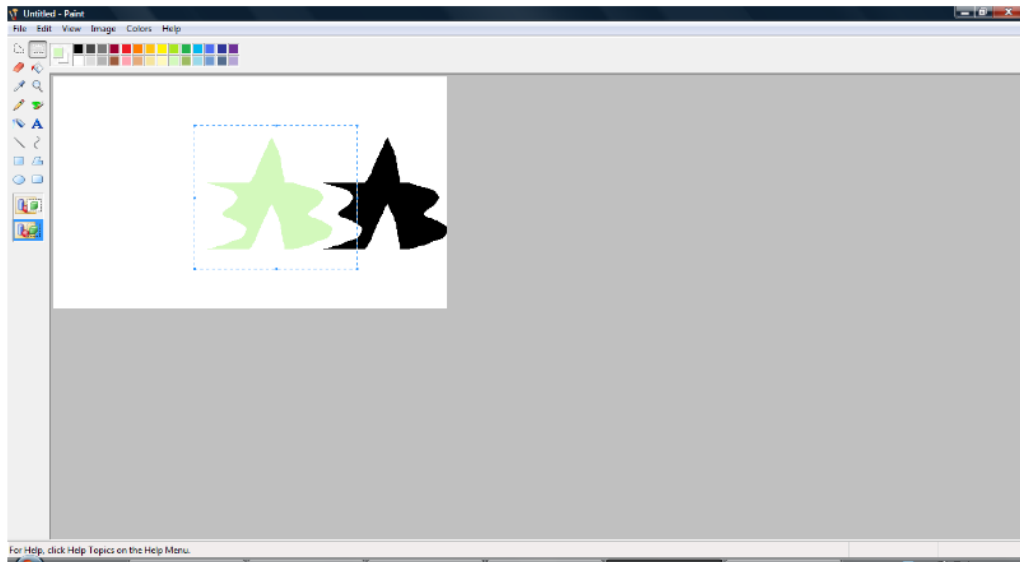
Example: two cut outs



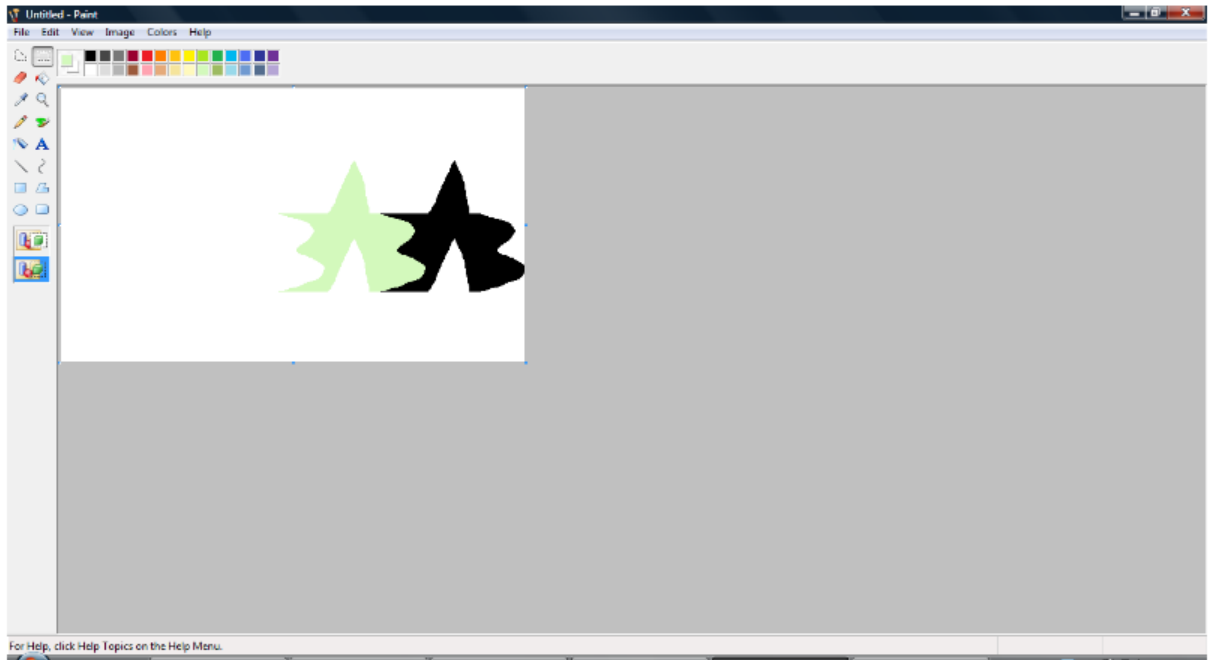
7. Return to “View” and then “Zoom” and then “Custom Zoom.” Set the zoom to 100%.
8. Using the Rectangular Selection tool and making sure the background is set to “transparent” select your newly created tessellation pattern. Move it to the far right side of the page that is visible to you. Right click on copy and then in the “Edit” menu click paste (or you may use keyboard shortcuts Ctrl+C and Ctrl+V).



9. Now use the “Fill” button (the tipping over paint can) to change the color of your new piece (pick varying colors so the design looks neat!).
10. Using the rectangular selection tool again, select your piece and move it into place where it does not overlap or leave empty spaces with the original tessellation pattern.



This is how it should look when the pieces are together:



11. Repeat steps 8 through 10 and fill in the remainder of the page.
12. When you are finished, you must print your page of the tessellated shape and turn it in as part of your final product. You may get creative and use the text feature to place your name over your tessellation.