

AN ARTIFEX FORGE TUTORIAL

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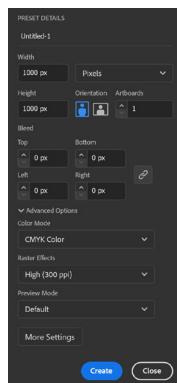
Learn how to create this digital spirograph-inspired design in 17 easy steps.

Full instructions on how to use the brushes are included in the complete pack.

The tutorial was created in Adobe Illustrator CC 27.4.1. Other versions of Illustrator may vary.

STEP 1

Open Illustrator and create a new document using the settings shown below.



STEP 2

Load the Spirograph brushes sample. Details on how to load brushes can be found [HERE](#) or in the main set of instructions in the full pack.

STEP 3

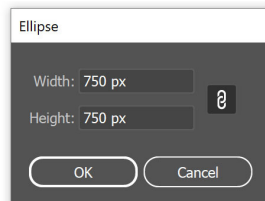
Create a circle by following these steps:

1. Select the 'Ellipse Tool' from the 'Toolbar'.

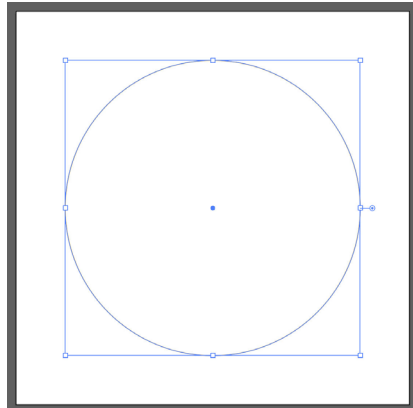


2. Click on the art board.

3 When the dialogue box appears, enter the dimensions 750px x 750px and click 'OK'.

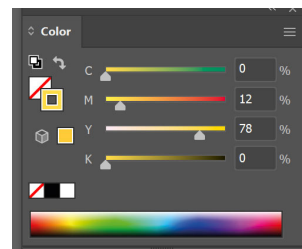
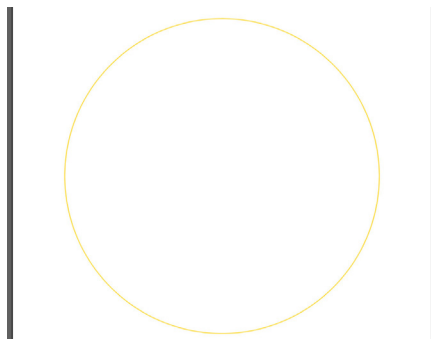


4. Move the circle to the centre of your art board (the 'Align Tab' will help you do this precisely).



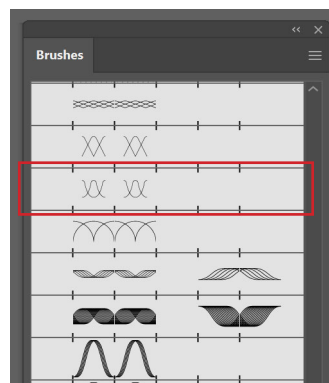
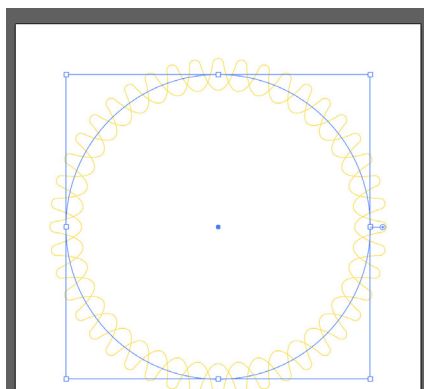
STEP 4

Clear the circle's fill color so it's transparent and color the stroke 0C, 12M, 78Y, 0K.



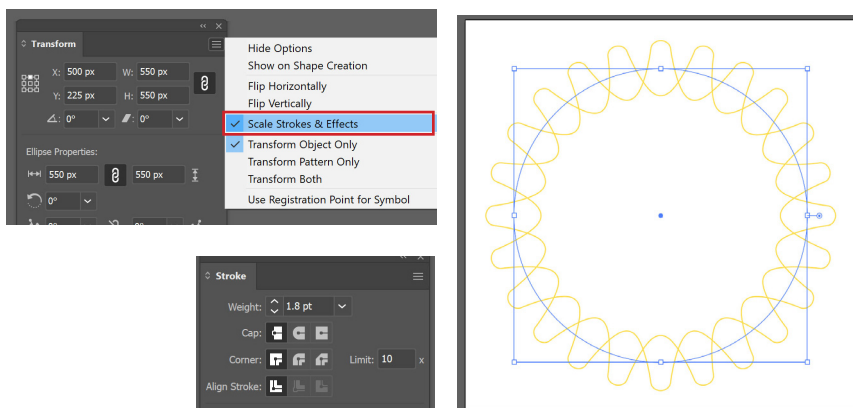
STEP 5

With the circle selected, open the 'Brushes Tab' and click on the 'Double Waves 2' brush icon to apply it to the circle.



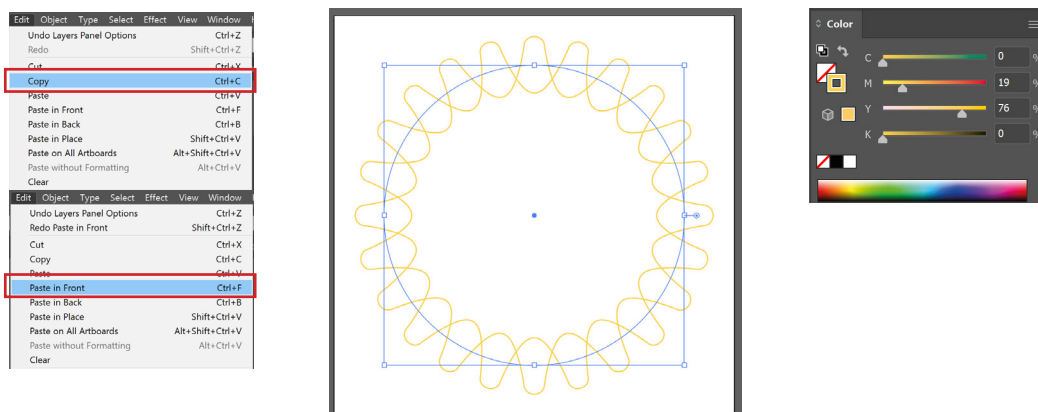
STEP 6

Ensure that 'Scale Strokes & Effects' is checked on the 'Transform Tab' (as shown below) then set the circle's stroke weight to 1.8px to increase the size of the spirograph sections.



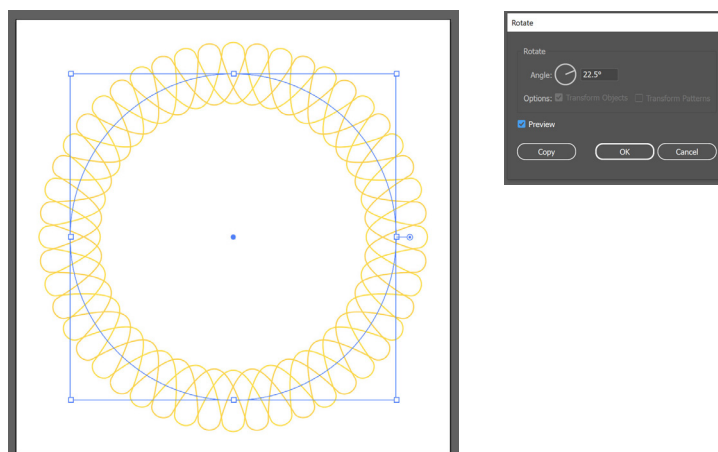
STEP 7

Copy the spirograph circle and paste it in front, using the menus shown below. Then, recolor the stroke value of the copy to 0C, 19M, 76Y, 0K.



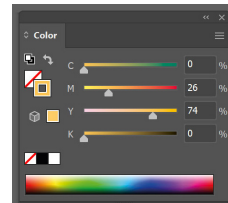
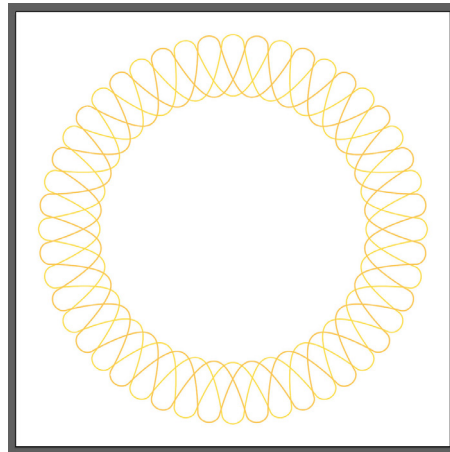
STEP 8

With the top spirograph circle selected, go to the 'Object>Transform>Rotate' menu. The Rotate options will open. Type 22.5 in the 'Angle' box and click 'OK'.

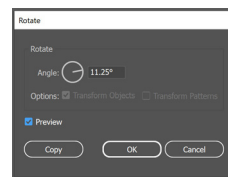
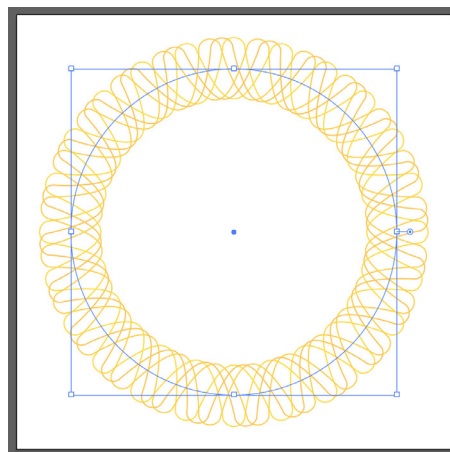


STEP 9

Repeat steps 7 and 8 but this time, duplicate the top instance of the spirograph circle (using the 'Copy' and 'Paste in Front' menus) and Recolor it 0C, 26M, 74Y, 0K.

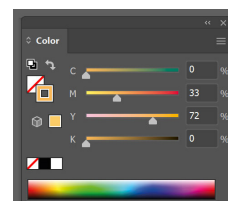
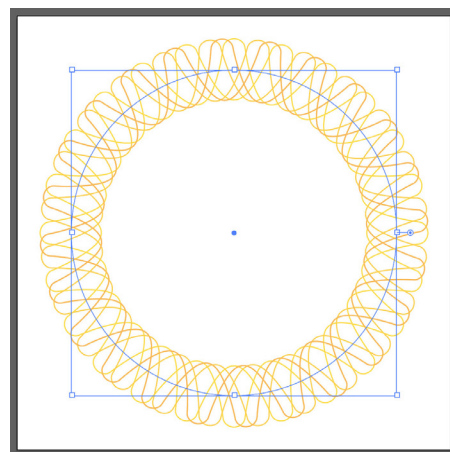


With the top spirograph circle selected, go to the 'Object>Transform>Rotate' menu. The Rotate options will open. Type 11.25 in the 'Angle' box and click 'OK'.

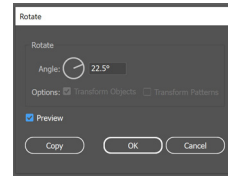
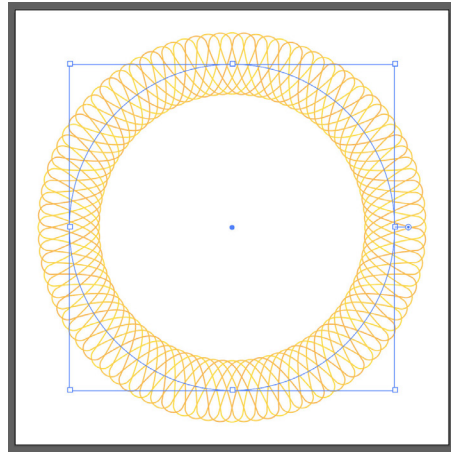


STEP 10

Repeating step 9, Duplicate the top instance of the spirograph circle and Recolor it 0C, 33M, 72Y, 0K.

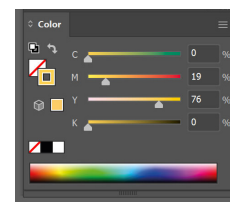
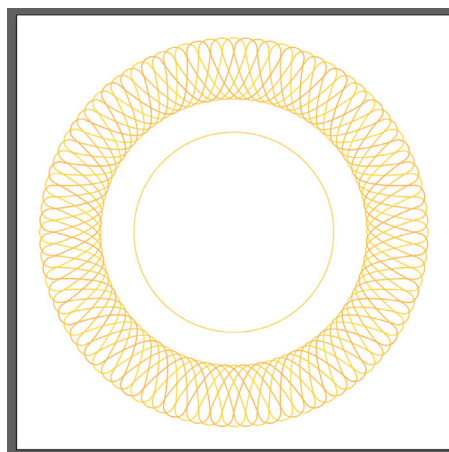
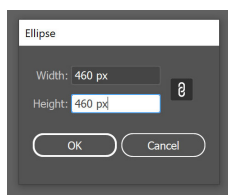


With the top spirograph circle selected, go to the 'Object>Transform>Rotate' menu. The Rotate options will open. Type 22.5 in the 'Angle' box and click 'OK'.



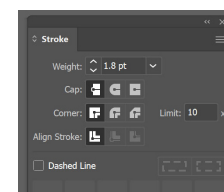
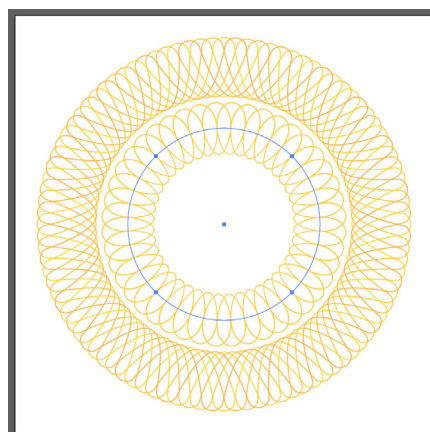
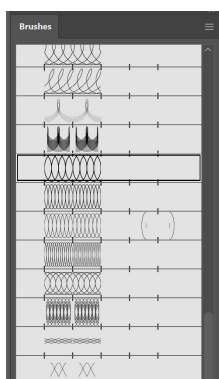
STEP 11

Now start the second section. Create a new circle measuring 460 x 460px. Color it 0C, 19M, 76Y, 0K and position it in the centre of your art board (the 'Align Tab' will help you do this precisely).



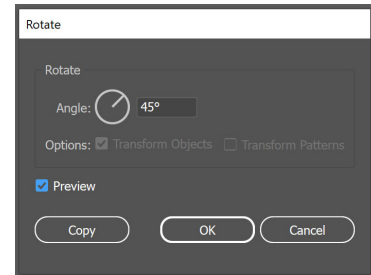
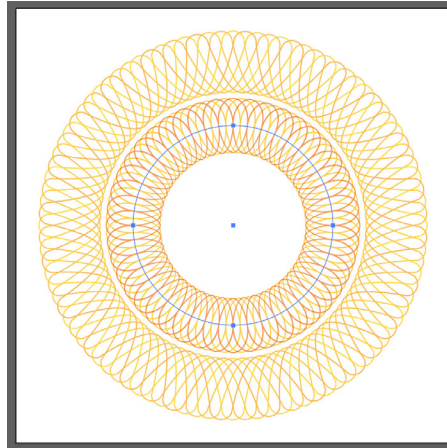
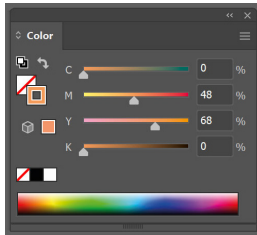
STEP 12

With the new circle selected, open the 'Brushes Tab' and click the 'Ellipses 1' brush icon, to apply the brush. Set the stroke size to 1.8px.



STEP 13

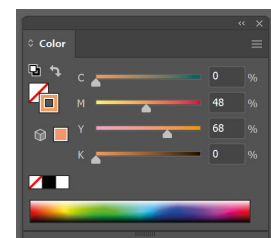
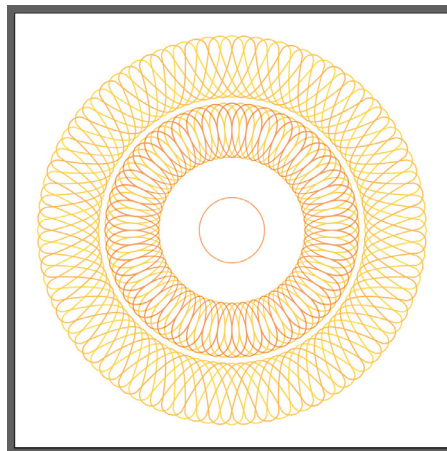
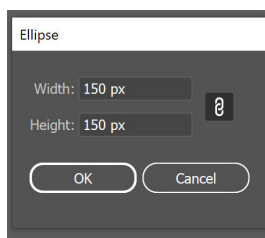
Duplicate the new Spirograph circle, recolor it 0C, 48M, 68Y, 0K and rotate it 45°.



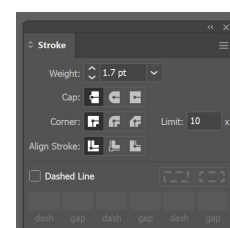
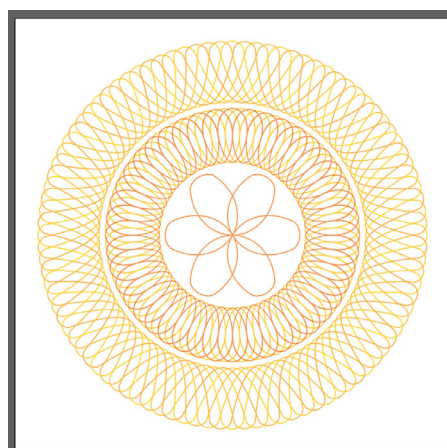
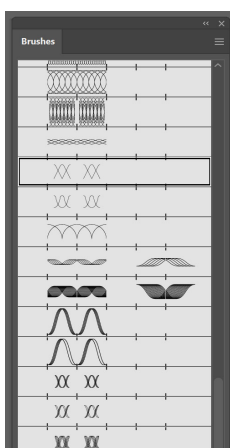
STEP 14

Now it's time to create the central section. This is made using four versions of one brush, each rotated and recolored.

Start by creating a new 150 x 150 px circle and colouring it 0C, 48M, 68Y, 0K. Centre the circle on the art board so it sits in the middle of your design.

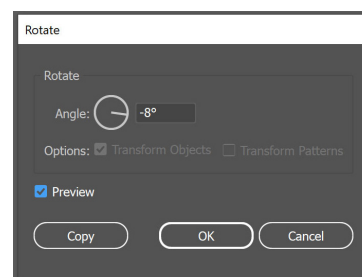
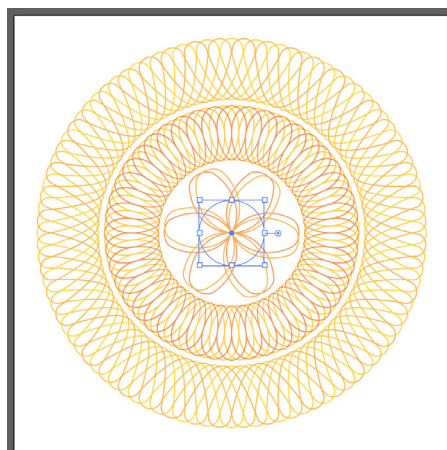
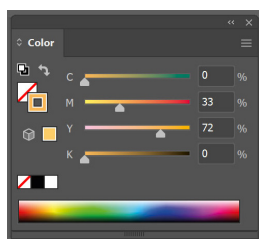


With the new circle selected, locate the 'Brushes Tab' and click the 'Double Waves 1' brush icon, to apply the brush. Set the stroke size to 1.7px.

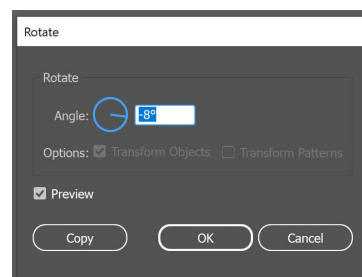
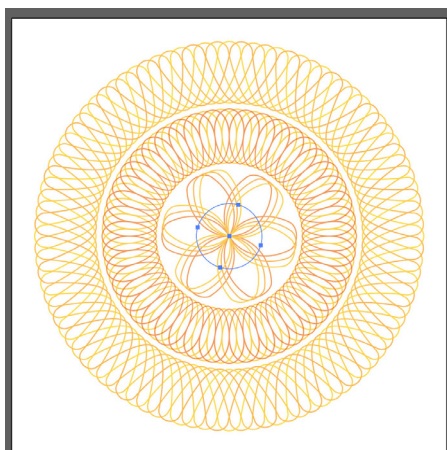
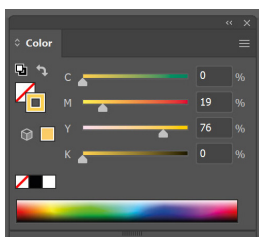


STEP 15

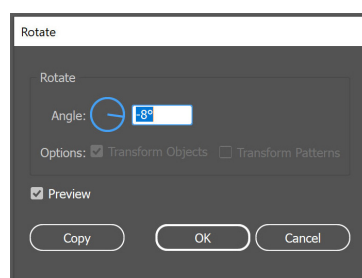
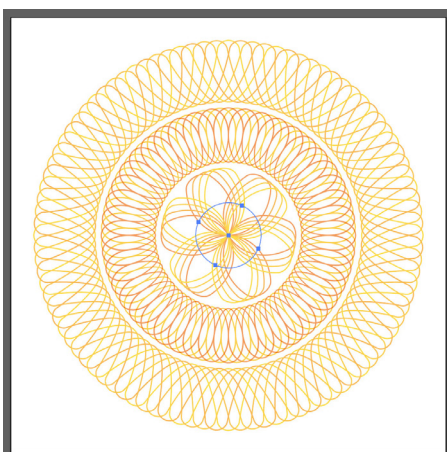
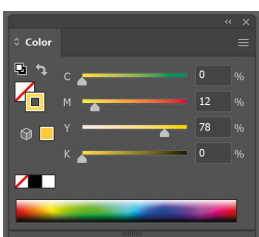
Duplicate the new Spirograph circle, recolor it 0C, 33M, 72Y, 0K and rotate it -8° .



Copy and paste a new version of the top Spirograph circle, recolor it 0C, 19M, 76Y, 0K and rotate it -8° .

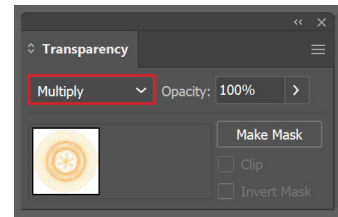
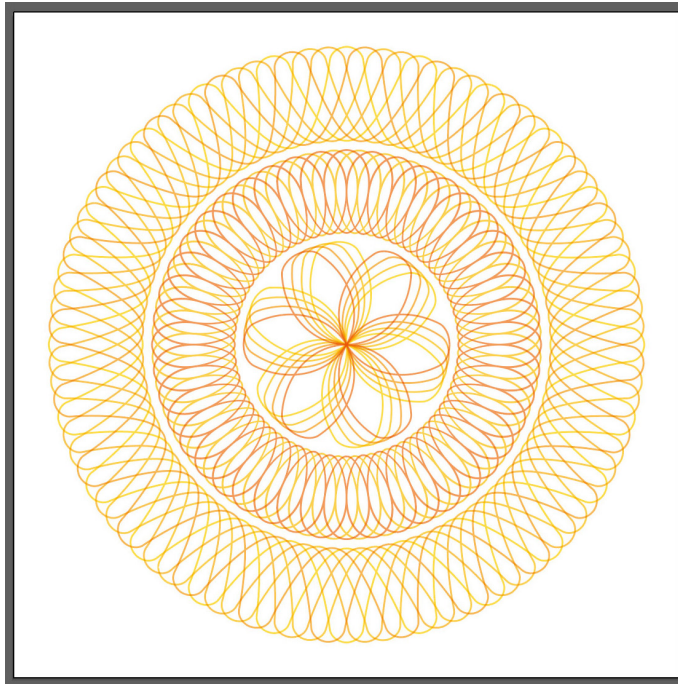


Repeat the process one last time: Duplicate the top Spirograph circle, recolor it 0C, 12M, 78Y, 0K and rotate it -8° .



OPTIONAL STEP 16

With all spirograph circles selected, open the 'Transparency Tab' and select 'Multiply' from the drop-down menu. This effect will give your spirograph an over-printed, retro ink look. This works particularly well when overlaid on textured backgrounds.



OPTIONAL STEP 17

To intensify the color, group your design, copy and duplicate it directly above. The 'Multiply' 'Blend Mode' uses the copy to deepen the color. Adjust the opacity of the top group as desired.

