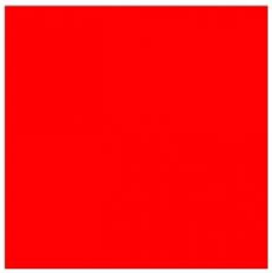
# Inkscape: Creating Tessellations

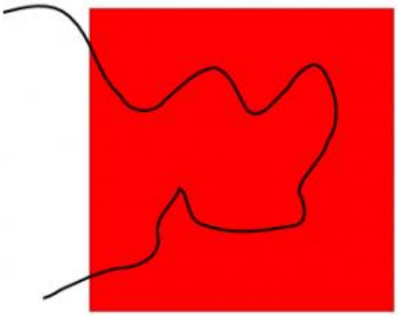
Tessellations are repeating shapes that fit together without overlapping and without any gaps. Tessellations can be simple geometric shapes (for example a square) or complex shapes like animals. See more at the web site tessellations.org

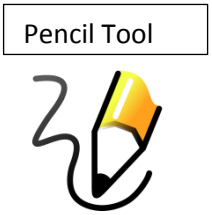
**Method One: Use of paths**

1. Create a perfect square by holding down the command key while using the rectangle tool.

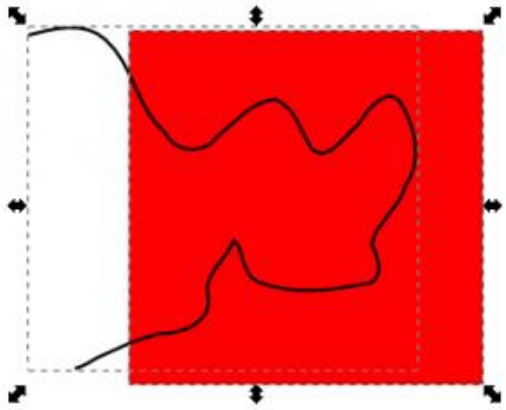


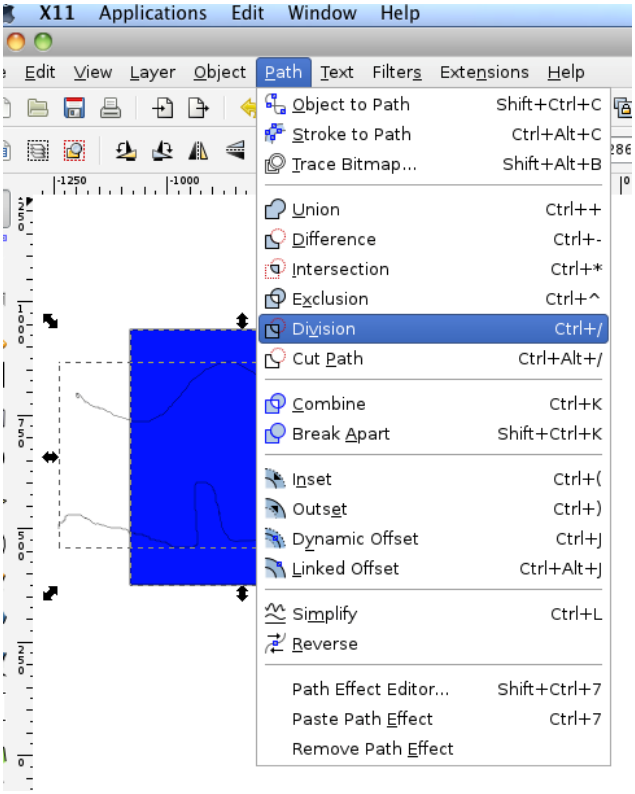
2. Use the pencil tool to draw a shape on one side of the square, making sure the line extends outside the square





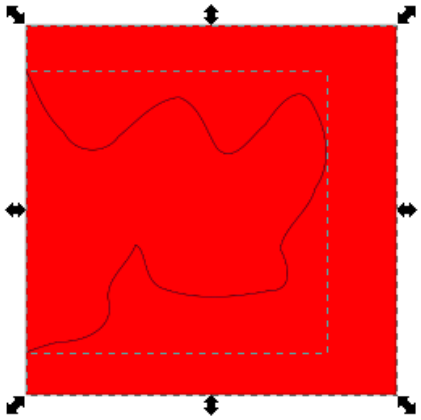

3. Select both the line and the square Holding Shift to keep both
4. Click on Path – Division

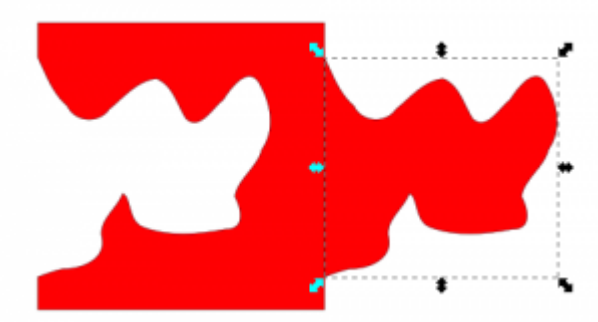


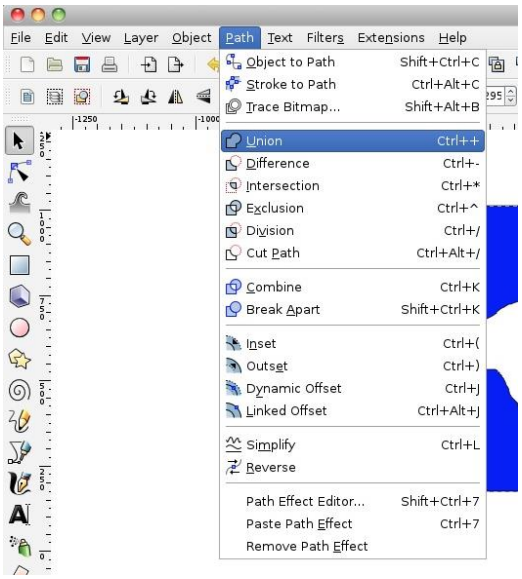



5. Let the shift key go
6. Click outside of the box

Select the cut out shape and hold command to move shape to other side

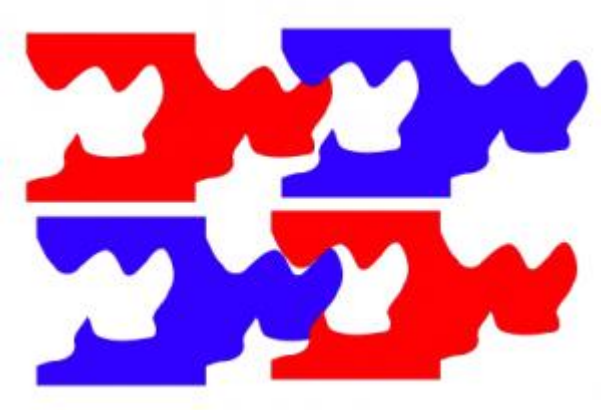




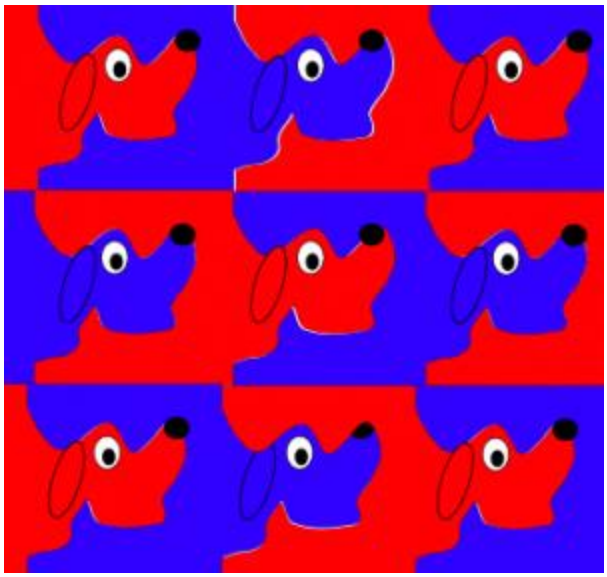



Select both shapes using Shift and click on Path-Union

Duplicate, change colors and arrange to fit together.



Add extra items to the different shapes to create something interesting. Duplicate and group together to complete the tessellation.



Excerpted from http://www.computersforcreativity.com