

Rubric for Tessellation Project Small Poster

	0	1	2	3	4
Appearance	No colors were used. Lines were drawn by hand and the paper is in very poor shape.	Very little color was used (2 to 3). Some lines were drawn with rulers and others by hand. The paper is in poor shape. The coloring of the tiles appears rushed.	A little more color was used (4 or more). Most of the lines were drawn with a ruler and the paper is in fair shape. The coloring was satisfactory (stayed mostly within the lines and filled the shapes). Different colors could have been chosen to better suite the tessellation.	5 to 7 well chosen colors were used. All the lines were drawn with a ruler and the paper is in good shape. Although minor imperfections in the coloring can be seen, clearly a solid attempt was made to minimize mistakes.	More than 7 well chosen colors were used. All the lines were drawn with a ruler. Very difficult to see coloring mistakes and the colors themselves were extremely well chosen.
Creativity	No effort was put into improving the artistic appeal of the tessellation.	Small attempt was made to increase the artistic appeal of the tessellation.	A fair attempt was made to increase the artistic appeal of the tessellation.	A fair attempt was made to increase the artistic appeal of the tessellation.	An excellent attempt was made to create an appealing piece of art.
Consistency	No attempt was made to replicate the tiling.	The tilings vaguely resemble one another.	The tilings resemble one another but clearly more of an effort could have been made to reduce the number of inconsistencies.	Although minor inconsistencies can be seen, clearly a solid attempt was made to minimize inconsistencies.	Very difficult to see any inconsistencies among the tilings.
Complexity	The final product does not meet the minimum requirements of a tessellation.	Very simple geometric shapes were used to create the tessellation. Also minor inconsistencies can be observed.	Basic geometric shapes were used to create the tessellation, however, minor modifications were made in attempts to increase the complexity of the tessellation (has 4 – 5 variations).	Some of the tilings don't resemble simple shapes. It takes the average person at least a couple of seconds to fully appreciate the complexity of the files.	The tilings don't resemble simple shapes at all. The tessellation demonstrates a high level of sophistication.
Summary (double the points here) <i>Type a 1/2 or more page summary using 12 point font, comparing and contrasting your tessellation to another student's tessellation. (This must be one page if hand written.)</i>	Summary not written.	<ul style="list-style-type: none"> •Summary may be less than the appropriate length comparing and contrasting two student created tessellations. •Fluency in the use of mathematical terms such as symmetry, translation, reflection, etc. is not very obvious. •There are many spelling and/or grammatical errors. 	<ul style="list-style-type: none"> • Summary is of the appropriate length comparing and contrasting two student created tessellations. •Fluency in the use of mathematical terms such as symmetry, translation, reflection, etc. is not as obvious. •There may be several spelling or grammatical errors. 	<ul style="list-style-type: none"> • Summary is of the appropriate length comparing and contrasting two student created tessellations. •Fluency in the use of mathematical terms such as symmetry, translation, reflection, etc. is obvious. •There are a few spelling or grammatical errors. 	<ul style="list-style-type: none"> •Summary is of the appropriate length comparing and contrasting two student created tessellations. •Fluency in the use of mathematical terms such as symmetry, translation, reflection, etc. is obvious. •There are no spelling or grammatical errors.
Total					

Name _____ Due Date _____ Period _____

Tessellation Project

For this Mastery Project you must show a mastery of Tessellations. You will create Tessellation art (if you don't know how watch this video: <https://www.youtube.com/watch?v=Lc4LGZwlcvs>, note that she only uses translations, you may use reflections or rotations as well). You will then write a summary of your work and compare and contrast your art work to that of another student's. Your project will be graded on appearance, creativity, consistency, complexity, and the summary.

(Summary on Rubric for Project)

Analyze the characteristics and properties of your tessellation by writing a description of the tessellation process. Compare your tessellation to that of another student. This will be attached to your tessellation project for others to view. Use the checklist below to ensure you have fulfilled the necessary requirements. Attach the checklist to your final written piece.

Be sure to include the following in your writing:

- Description: Explain the steps and method you used to create your tessellation. Include which polygon you started with, any transformational information as well as the type of symmetry shown in your design.
- What artistic additions did you add to your work to make it more visual and creative?
- Provide a title for your work.
- Geometric terms to consider in your writing:
translation, rotation, reflection, transformation, congruent, symmetry, parallel, tessellate, regular polygon, irregular polygon, slide, flip, turn,

Tessellation Sensations Journal Entry Guidelines		
Attach your journal entry to the back of your tessellation poster.		
Yes	No	Self Assessment Writing Checklist - Attach to final written piece
		Did I organize and preplan my ideas in a logical order so others will clearly follow and understand the steps?
		Did I choose a writing format to match my purpose and audience? List the format. (Ask L.A. teacher for help if needed.)
		Did I use correct geometric terms? List the terms here.
		Did I compare and contrast my tessellation to another tessellation?
		Did I include a description of artistic details and how these influenced or enhanced my final design?
		Did I use any illustrations or diagrams to help my audience understand?
		Did I title my work?
		Does the written description of my tessellation show others what I have learned?
		Did I proof read my writing for meaning, clarity, grammar, punctuation and spelling?
		Did I share my writing with two others to critique or proof read? (Parent, teacher, or student peer.)
		Did I make appropriate revisions to correct my work?
		Is my final writing product neat, legible and presentable for public viewing?
		Did I remember to attach this checklist to my final written piece?