

## Year 8 Assessment Geometry

### Task

You will create a design by **systematically** transforming a basic pattern using reflection, rotation or translation.

1. Starting with a basic pattern (cultural/traditional), choose and create a design that has meaning for you. Use at least one transformation (reflection, rotation, translation) to create a strip of pattern at least 15cm long (minimum length) and 6cm wide.
2. Color it - 2 colors are usually enough in geometrical patterns
3. Discuss the transformation and symmetry of your pattern. Write it on a Google doc. (Refer to the guidelines on MHOL - T 2 WK 9)
4. Once you have completed the task, please upload a photo/screenshot of your pattern and discussion to **MHOL T 2 WK 10**.
5. **Due date - Wednesday 6th of July**

**The detail of your work and discussion of Geometrical concepts involved will determine your overall grade.**

Criteria	WT	AT	ABOVE	BEYOND
Presentation	You have attempted to create a pattern using a transformation	You have created a pattern using a transformation	You have created a neat and tidy pattern using 1 or more transformations	You have created a neat and detailed pattern using 1 or more transformations
Geometrical concepts	You have attempted to explain the symmetry and transformation used in your	You have explained the symmetry and transformation used in your pattern	You have clearly explained the symmetry and transformation used in your pattern	You have clearly and precisely explained the symmetry and transformation used in your

	pattern			pattern
Accuracy in Writing	You have made errors in grammar, spelling and/or punctuation which are intrusive and affect meaning	You have made errors in grammar, spelling and/or punctuation which are intrusive at times, but the reader can infer meaning	You have made some errors, but minimal reader inference is needed as meaning is consistently clear	You have carefully edited your writing to ensure you have few (or no) intrusive errors, consequently meaning is consistently clear