



## Year 8 Wai Whanau Maths Assessment 2

Context: SOS Survivor

### Kōwhaiwhai Assessment

Year 8 Wai Whanau students have been exploring survival skills and challenges. In maths we have been looking at coordinate grid systems and transformations. For this assessment students will explore the ways in which the Māori culture has preserved its culture and “survived”. Specifically students will explore the preservation of Māori culture through Kōwhaiwhai patterns.

#### Curriculum Achievement Objectives:

- draw or make objects, given their plan, front, and side views or their perspective views
- identify and describe the features of shapes or patterns that change or do not change under transformation

#### Key Vocabulary

- 1.Transformations- **panoni**
2. Rotation- **hurihanga**
- 3.Translation- **nekehanga**
- 4.Reflection- **whakaatanga**

## YOU NEED TO:

- a) Create a neat and detailed Kowhaiwhai pattern using 1 or more transformations
- b) Clearly explain the symmetry and transformation used in your pattern (Use the links in Google Classroom to help you.)
- c) Describe the history of the Kowhaiwhai patterns and its development over time. It's significance to different Tribes and any other important facts/features that you find.
- d) Use slides given in Googleclassroom to guide you

## Assessment Rubric

<b>Transformations</b>	You have shown some understanding of various geometric transformations and their invariant properties on <i>[Context]</i>	You have shown an understanding of various geometric transformations and their invariant properties on <i>[Context]</i>	You have shown a strong understanding of various geometric transformations and their invariant properties on <i>[Context]</i>	You have shown comprehensive understanding of various geometric transformations and their invariant properties in <i>[Context]</i>
<b>Accuracy in Writing</b>	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
<b>Time Management</b>	You have not submitted your assessment	You have not submitted your assessment by the due date	You have submitted your assessment by the due date	You have submitted your assessment by the due date
<b>Overall Grade</b>	<b>Working TOWARDS</b>	<b>Working AT</b>	<b>Working ABOVE</b>	<b>Working BEYOND</b>