



Navigating Mātauranga Māori in Geometry

Translation reflection and rotation (Cultural Art)	<p>You have shown some understanding of working in art by integrating Māori and Pacifica artwork with geometric principles. Your ability to work on " Artistic enterprise" using traditional motifs with precise geometric forms demonstrates both cultural appreciation and design skill.</p>	<p>You have shown an understanding of working in art by integrating Māori and Pacifica artwork with geometric principles. Your ability to work on " Artistic enterprise" using traditional motifs with precise geometric forms demonstrates both cultural appreciation and design skill.</p>	<p>You have shown a strong understanding of working in art by integrating Māori and Pacifica artwork with geometric principles. Your ability to work on " Artistic enterprise" using traditional motifs with precise geometric forms demonstrates both cultural appreciation and design skill.</p>	<p>You have shown a comprehensive understanding of working in art by integrating Māori and Pacifica artwork with geometric principles. Your ability to work on " Artistic enterprise" using traditional motifs with precise geometric forms demonstrates both cultural appreciation and design skill.</p>
(EP Task)	<p>You have shown some understanding of parallel lines, defined angle properties, or applied these concepts to solve problems.</p>	<p>You have shown an understanding of parallel lines, defined angle properties, or applied these concepts to solve problems.</p>	<p>You have shown a strong understanding of parallel lines, defined angle properties, or applied these concepts to solve problems.</p>	<p>You have shown comprehensive understanding of parallel lines, defined angle properties, or applied these concepts to solve problems.</p>
Time management	<p>You have not submitted the assessment</p>	<p>You have not submitted the assessment on time</p>	<p>You have submitted the assessment on time</p>	<p>You have submitted the assessment on time</p>
Overall	WORKING TOWARDS curriculum expectation	Working AT curriculum expectation	Working ABOVE curriculum expectation	Working BEYOND curriculum expectation

Task Description

Targeted achievement objectives

GM5-5 Deduce the angle properties of intersecting and parallel lines and the angle properties of polygons and apply these properties

GM5-9 Define and use transformations and describe the invariant properties of figures and objects under these transformations.

Task Description for Navigating Mātauranga Maori in geometry

Create a Maori/ Pasifika design using your own ideas

- The design should use colours that are associated with Pacifica and Maori cultures. For example, Pacifica cultures often use bright, vibrant colours, while Maori cultures often use earth tones.
- The design should use shapes that are associated with Pacifica and Maori cultures. For example, Pacifica cultures often use geometric shapes, while Maori cultures often use organic shapes.
- The design should use symbols that are associated with Pacifica and Maori cultures. For example, Pacifica cultures often use the sun, moon, and stars, while Maori cultures often use the koru, a spiral shape.

- Technical Skill:

The linework should be smooth and confident.

The shading should be evenly applied and create a sense of depth.

- Creativity:

The design should be original and not a copy of an existing design.

The design should be visually appealing and engaging.

- Use the following skills

- Translation: The distance between any two points in a figure does not change under a translation.

- Rotation: The angle between any two lines in a figure does not change under a rotation.
- Reflection: The orientation of a figure does not change under a reflection.
- Parallel lines and angle properties
(EP Task) You will be tested on EP test