

Task: He Taura Kōwhaiwhai

Approach: Station

Focus: Assessing symmetry

Resources: Ngā wāhanga taura kōwhaiwhai e 4; he ruri; he rākau kāpia; he pene rākau whero

Kupu: rārangi hangarite = line of symmetry



Questions / instructions:

%
response



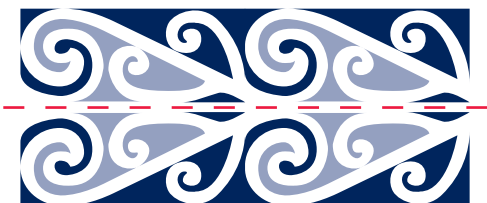
Titiro ki te pūmatua A. Kua tuhia he rārangi e haukoti ana i te A ki ētahi wāhanga e rua. He rārangi hangarite tēnei.

He ōrite te hanga o ngā taha e rua o te rārangi hangarite.

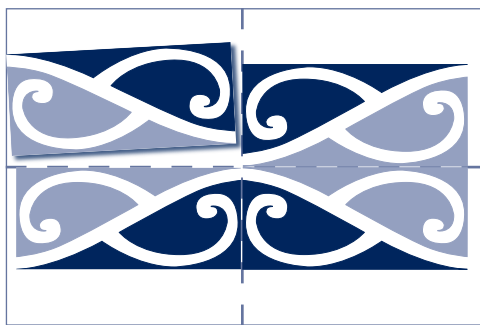
1. Tuhia tētahi rārangi hangarite ki tēnei taura kōwhaiwhai:

only one line of symmetry drawn (horizontally)

36



2. Whakatakotoria ēnei taura e whā ki te papa nei kia tika ai te noho i waenganui i ngā rārangi hangarite e rua. Whakapiria ki te papa.



4 pieces, with the two lines of symmetry

58

4 pieces, with one line of symmetry only

27

Commentary:

In question one, many students showed a lack of understanding of the term 'rārangi hangarite' by drawing a vertical line between the two sections of the pattern. Performance in question two was considerably better where students were required to manipulate sections of a kōwhaiwhai pattern to sit correctly within two lines of symmetry.