Task: He Taiapa

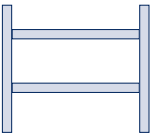
Approach:	Stations
Focus:	Using algebraic reasoning to solve problems
Resources:	Ngā rākau taiapa 16
Kupu:	

NEMP Access Task

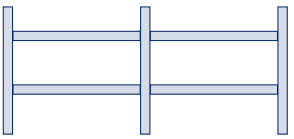
Questions / instructions:

% response

E 4 ngā rākau hei hanga i tēnei taiapa.
Kotahi te wāhanga o tēnei taiapa:



E 7 ngā rākau hei hanga i tēnei taiapa,
e 2 ngā wāhanga:



1. Whakamahia ngā rākau ki te hanga taiapa, kia 4 ngā wāhanga. Tāngia te taiapa ki kōnei.

correctly drawn with 4 sections *(five verticals)* — 60

2. Tuhia he ture mō tēnei tauira?

number of sticks = 3x + 1 *(any letter, any order)* — 0

rule for number of sticks described in words clearly — 4

other valid rule *(e.g. one more post than number of sections)* — 11

3. E hia ngā rākau hei hanga i ngā wāhanga 10 o te taiapa? 31 — 27

4. E hia ngā rākau hei hanga i ngā wāhanga 100 o te taiapa? 301 — 7

Commentary:

Sixty percent of the students were able to continue the geometric pattern with materials. However, most students had difficulty with questions requiring students to express or apply the algebraic rule for the relationship between the two variables.