

Ihumanea Pāngarau

Ngā Paetapa o te Papatākaro

MĀ TE KAIKO

Kia Mōhio te Ākongā ki:

- te whiriwhiri i te paenga me te horahanga o te tapawhā hāngai
- te whai i tētahi rautaki arorau ki te whakaoti rapanga

Kupu Matua:

paenga, horahanga, mita, mita pūrua, roa, whānui

Whāinga Paetae:

Taumata 4, Te Ine me te Āhuahanga

1. Ka whakaoti rapanga whaitake: ka kōwhiri, ka whakamahi i te waeine e hāngai ana mō te roa me te horahanga; ka whakamahi i ngā inenga tapa ki te whiriwhiri i te paenga me te horahanga o te tapawhā hāngai; ka mārama ki te whaitakenga o tētahi inenga.

Te Rapanga:

He tapawhā hāngai te āhua o tētahi papatākaro.



He ōrite te horahanga o te papatākaro (m^2) ki tōna paenga (m).

He aha ētahi inenga tapa mō tēnei papatākaro, arā, te roa me te whānui?

He pātai āwhina hei tuku mā te kaiako (ina hiahiatia):

- Tuhia he pikitia o te papatākaro. He aha te āhua o te papatākaro?
- Tohua te paenga o te papatākaro. He aha te tikanga o tēnei mea te paenga?
- Me pēhea te whiriwhiri i te horahanga o te papatākaro?
- He pai pea ki te tuhi i tētahi tūtohi hei whakaatu i te roa, te whānui, te paenga me te horahanga.
- Mēnā 10mita te roa o te papatākaro, e hia mita te whānui? E hia mita te paenga? E hia mita pūrua te hoarahanga? Tuhia ēnei ki te tūtohi.
- Kāore i ōrite te paenga me te horahanga mēnā 10 mita te roa, e 5 mita te whānui. Nō reira he aha ētahi atu inenga mō te roa me te whānui hei whakamātau?
- Ko te ingoa o tēnei rautaki, ko te 'whakamātau me te whakatōtika'. Arā, ka whakamātau koe i ētahi tau, kātahi ka whakatōtika i ngā tau i runga anō i ngā hua o te whakamātau.

Hei tauira o te rautaki 'te whakamātau me te whakatōtika':

	roa	whānui	paenga	horahanga
X	10m	5m	$10 + 10 + 5 + 5 = 30\text{m}$	$10 \times 5 = 50\text{m}^2$
X	8m	4m	$8 + 8 + 4 + 4 = 24\text{m}$	$8 \times 4 = 32 \text{m}^2$
✓	6m	3m	$6 + 6 + 3 + 3 = 18\text{m}$	$6 \times 3 = 18 \text{m}^2$