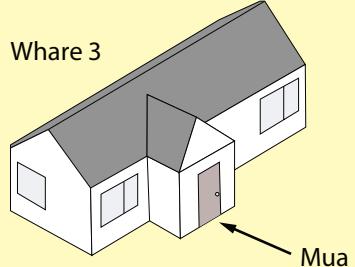
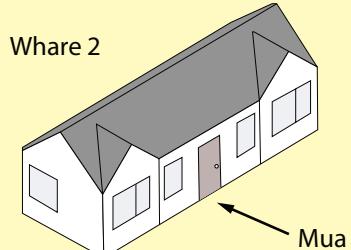
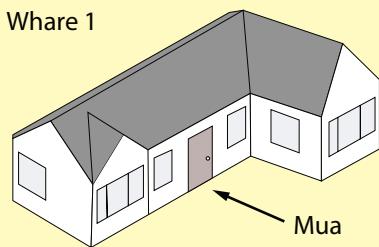


Kōtuia ngā wāhanga katoa
o te pāngarau



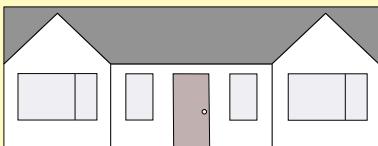
He Whare Hou*

E whakaaro ana te whānau o Waitohu ki te hanga whare hou mō rātou.
E tirotiro ana rātou ki ngā hoahoa o ēnei whare e toru:

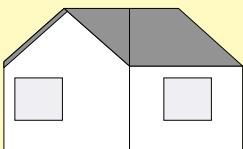


Hei Mahi 1

a) Ko te tirohanga mua tēnei o tētahi o ngā whare. Ko tēhea?



e) Ko te tirohanga mauī tēnei o tētahi o ngā whare. Ko tēhea?



h) Māu e tuhi ngā tirohanga runga (tirohanga ā-manu) o ngā whare e toru nei (tuhi ā-ringa noa iho, hei aha te ine).

Hei Mahi 2

Koia nei te hoahoa ā-papa o te whare e hangaia ana e rātou.



Kei te whakatakotoria he papariki ki te papa o te kihini, te wāhi kai me te wāhi noho.

- a) He aha te āhua o ēnei wāhi e toru?
- e) Inea te roa me te whānui o tēnei wāhi i te hoahoa.
- h) Ko te āwhata o te hoahoa e kī ana '1cm = 1m'. Arā, e rite ana te 1cm i te hoahoa ki te 1m i te whare tūturu. Tuhia te roa me te whānui o tēnei wāhi o te whare tūturu.
- i) Whiriwhiria te horahanga o tēnei wāhi o te whare tūturu.
- k) E 20cm mā te 20cm ngā papariki e whakatakotoria ana ki te papa o tēnei wāhi o te whare.



Whiriwhiria te maha o ngā papariki e hiahiatia ana.

Hei Mahi 3

Titiro anō ki te hoahoa papa o te whare kei runga ake nei he āwhina i a koe i ēnei pātai:

- a) E hia mita te paenga o te whare?
- e) Whiriwhiria te horahanga o te whare.
- h) E whakaaro ana te whānau o Waitohu ki te whakatū whare motukā. He tapawhā hāngai te āhua o te whare, e 3m te whānui, e 5.5m te roa. Tuhia te tirohanga runga o te whare motukā hei hoahoa āwhata o tēnei whare.
- i) E hia mita te paenga o te whare motukā?
- k) Whiriwhiria te horahanga o te whare motukā.

Hei Mahi 4

E whakaaro ana rātou ki te tae o te tuanui o te whare me te tae o ngā perekī i ngā pātū.

Koia nei ngā whiriwhiringa mō te tuanui:



Kākāriki



Kura

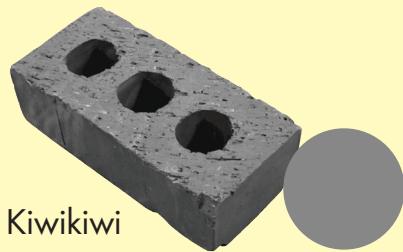


Parauri

Koia nei ngā whiriwhiringa mō ngā perekī i ngā pātū:



Rauwhero

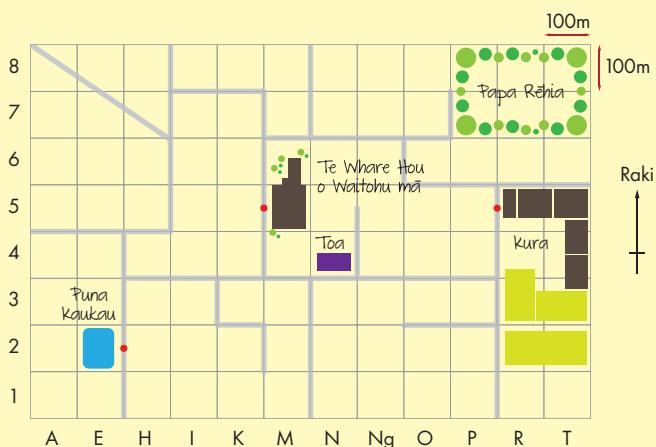


Kiwikiwi

- a) E tautohetohe ana rātou i te tae o te tuanui. Mēnā he matapōkere te tīpako i te tae, e hia te tūponotanga ka tīpakona te kura?
- e) Mēnā he matapōkere te tīpako i te tae, e hia te tūponotanga kāore e tīpakona te kura?
- h) Tuhia he hohoa rākau hei whakaatu i ngā kōwhiringa e taea ana mō te tae o te tuanui me te tae o ngā perekī i ngā pātū.
- i) Mēnā he matapōkere te tīpako i ngā tae, e hia te tūponotanga he kākāriki te tuanui, he rauwhero ngā pātū?

Hei Mahi 5

Ko te mahere tēnei o te wāhi e whakatūria ai te whare hou o te whānau o Waitohu.



- a) He aha nei te ahunga mai i te whare hou o Waitohu mā ki te puna kaukau?
- e) He aha kei te wāhi N4 o te mahere?
- h) Tuhia te wāhi o te mahere e whakatūria ana te whare hou o Waitohu mā.

- i) Koia nei te ara hīkoi a Waitohu ki te kura:

Ka puta au i taku whare, ka haere whakateraki.
Ka huri matau i te kokonga tuatahi, ā, ka hīkoi whakaterāwhiti. Ka tae atu ki te kokonga tuatahi ki te taha matau, ka huri ki reira, ka haere whakatetonga mō te wā poto. Kātahi ka huri mauī, ka haere whakaterāwhiti anō kia tae atu au ki te kura.



He rerekē te ara hīkoi a te tungāne o Waitohu. Ka puta ia i tō rātou whare, ka haere whakatetonga. Māu e whakamārama te roanga atu o te ara hīkoi a te tungāne.

- k) Whiriwhiria te tawhiti o te hīkoi a Waitohu me te tawhiti o te hīkoi a te tungāne.
- m) Kāore te whare karakia e whakaaturia ana i te mahere nei. Ko te uru-mā-raki te ahunga mai i te whare o Waitohu ki te whare karakia, kei te takiwā o te 500m te tawhiti o te ara hīkoi ki reira. Tuhia te wāhi o te mahere kei reira te whare karakia.