



NGĀ PUKA RAPANGA PĀNGARAU TAUNAKI

Ine

TAU 1

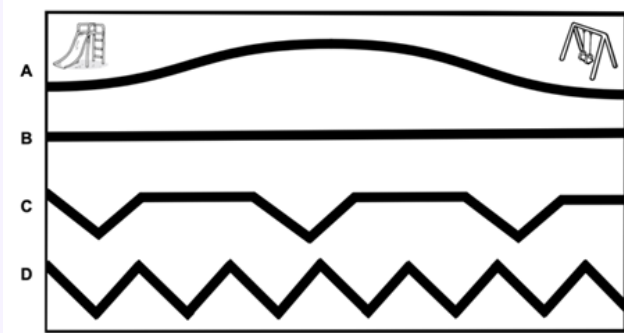
Pukapuka Kaiako

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Tūmahi 1

E hiahia ana a Talia ki te kawhe i tana kurī ki te hīkoi roa. Ka taea e koe te whakamahi i ngā taputapu hei ine ko tēhea ara i te pāka te roa rawa, he ōrite rānei? Whakapūketetia tō wae inenga me te tatau inenga.



Kōwhiria he huinga taputapu kē hei ine i ngā ara. Whakapūketetia tō wae inenga me te tatau inenga.

Hei āwhina i te kaiako

I mua i te whakarewatanga, me whai huinga ahanoa mai i te akomanga, ka tono atu ki ngā ākonga kia purua ki tētahi raina mai i te poto rawa ki te roa rawa.

Me whai huinga ahanoa ka taea e ngā ākonga te whakamahi hei ine (hei tauira, centi-cubes, multilink, rods, ones cubes, match sticks), me mātua whakarite he nui ngā ahanoa i roto i te huinga kia taea ai te taupoki i te roanga katoa hei ine. Kīia ēnei hei wae inenga.

Whakamahia māramatia te kupu roa hei whakaahua i te inenga paerangi. Tautoko hoki i ngā ākonga ki te hoatu i te wae ine i roto i tā rātou whakamārama (hei tauira, "e rima hēniti-kupiki te roa o te roa").

Whakangāwari i ngā ākonga ki te haere ki ngā ariā inenga tae atu ki te whakamahi i te wae ine ōrite, me mātua whakarite kāore he āputa me te tārua i te wae ine ki te mutunga o te roanga.

Wā toha

Tīpakohia ngā ākonga hei tiritiri i ngā ariā inenga tae atu ki te whakamahi i te wae tāruatanga ōrite, me te whakarite kāore he āputa me te whakamahi tika i te whitiāuau. Miramiratia tēnei ki ngā ākonga katoa.

Ngā Whakaaro Matua o te Ao

He maha ngā huanga ka taea e mātou te ine tae atu ki te roa, te papatipu, te wā, te horahanga, te koki, me te rōrahi. Ina inea e tātau, ka whakamahia e tātau te whakataurite, ko te tikanga, ka whakataurite i ngā āhuatanga kia kite ko tēhea te mea nui ake. Ka taea e mātou te whakataurite mā te whakamahi i ngā wae ine paerewa, paerewa rānei, ā, ka whakamahi mātou i te reo pāngarau hei whakaahua i ēnei.

E hiahia ana e te māramatanga ariā o te inenga te māramatanga o te atawhai me te whakawhitiwhiti. E hiahia ana e te atawhai te māramatanga ina nekehia, ka wehewehea rānei, ka mau tonu te rahi o tētahi ahanoa. Ko te mōhiotanga ka taea te whakataurite i ngā ine o ngā ahanoa e rua ki tētahi ahanoa tuatoru. Hei tauira, mēnā he nui ake te taumaha o te ahanoa A i te ahanoa B, ā, he nui ake te taumaha o te ahanoa B i te ahanoa C, kātahi ka nui ake te taumaha o te ahanoa A i te ahanoa C.

He mātāpono matua e pā ana ki te inenga tae atu ki te rahi o te wae inenga e noho ōrite ana (tae atu ki ngā wae ōrite, ngā wehenga iti rānei), ka tāruatia ngā wae kāore he āputa, he inaki rānei (au), he wāhanga te wae o te katoa, ā, ka whakapuakina te inenga hei tapeke o ngā wae e whakamahia ana.

Hono

Tonoa ngā ākonga ki te matapaki he aha i rerekē ai te tatau inenga ina whakamahi i tētahi wae inenga rerekē, me te miramira i te whanaungatanga i waenga i te rahi o te wae inenga me te tatau inenga.

Whainga ako Ka ako ngā mokopuna ki te:

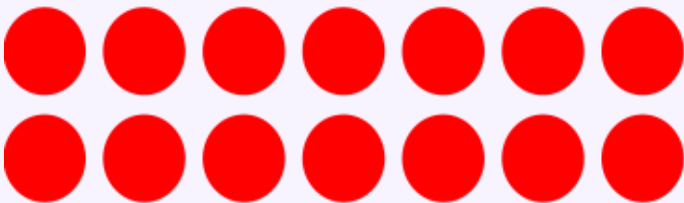
Whakatauritea te roanga o te raina mā te whakamahi i ngā wae paerewa-kore.

Whakamahia ngā wae paerewa-kore hei ine i te roanga.

Tatauria ngā tau oti o ngā wae hei whakaahua i te inenga.

Whakamahia te reo inenga hei whakaahua i te whakataurite o te roanga.

Ngā Tūmahi Takitahi



Whakamahia ngā rerenga tau hei whakaatu i tēnei tauira i ngā huarahi maha e taea ana e koe.

Marautanga

Tau 1

Whakatairite i te roa, te papatipu, te taumaha, te paemahana, te rōrahi, te kītanga mā te ine ōkiko: h.t., mā te whakatairite i ētahi taonga e rua

Reo Pāngarau

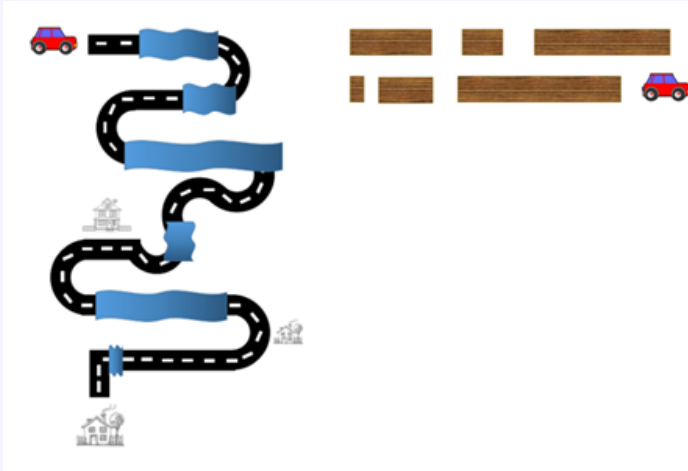
Te roa, te wae ine, te tatau inenga, te roa, te poto rawa, te ōrite.

Ngā Tumanako

Ngā Rongoā, Ngā Pōhēhētanga

Tūmahi 2

He nui rawa te marangai me ētahi wāhanga o ngā huarahi kua horoia. E hiahia ana mātou ki tō āwhina ki te ine i te huarahi me te kimi i ngā arawhata hei āwhina i te tangata kia tae ki te kāinga. (Tuhipoka: Tāngia tēnei rauemi rahi A3 - tirohia te matua tārua).



Whakamahia ngā taputapu hei ine i ia wāhanga o te huarahi kua horoia. Whakapūketetia te wae inenga me te tatau inenga.

Ināianeī haere ki te wharau rokiroki ka whakamahi i te wae inenga ki te kimi i te piriti e tika ana mō te wāhanga o te huarahi i horoia.

Mahi tahi me tō hoa kia mau rā anō te huarahi, ā, ka taea e koe te taraiwa i te motokā ki te kāinga.

Hei āwhina i te kaiako

Me whai huinga ahanoa ka taea e ngā ākonga te whakamahi hei ine (hei tauira, centi-cubes, multilink, rods, ones cubes, match sticks), me mātua whakarite he nui ngā ahanoa i roto i te huinga kia taea ai te taupoki i te roanga katoa hei ine.

Me whai pouaka mō te wharau rokiroki me ngā wāhanga piriti i roto i tēnei. Purua ngā wāhanga piriti ki roto i te whare rokiroki kia wehe atu i ngā mahere kia ine ai ngā ākonga i te huarahi horoi, kātahi ka whakamahi i tēnei inenga ki te kimi i te roa o te piriti tika, kaua ki te whakamahi i te whakataurite hāngai.

Ina ine i te huarahi kua horoia, ka taea e ngā ākonga te taupoki i te roanga katoa kia ine ai ngā ahanoa, ka kōwhiri rānei ki te whakamahi i tētahi, e rua rānei, ā, ka auau te whakatakoto i ēnei hei ine.

Whakamahia māramatia te kupu roa hei whakaahua i te inenga paerangi. Tautoko hoki i ngā ākonga ki te hoatu i te wae ine i roto i tā rātou whakamārama (hei tauira, "e 6 kupiki te roa").

Ngā Whakaaro Matua o te Ao

He maha ngā huanga ka taea e mātou te ine tae atu ki te roa, te papatipu, te wā, te horahanga, te koki, me te rōrahi. Ina ine e tātau, ka whakamahia e tātau te whakataurite, ko te tikanga, ka whakataurite i ngā āhuatanga kia kite ko tēhea te mea nui ake. Ka taea e mātou te whakataurite mā te whakamahi i ngā wae ine paerewa, paerewa rānei, ā, ka whakamahi mātou i te reo pāngarau hei whakaahua i ēnei.

E hiahia ana e te māramatanga ariā o te inenga te māramatanga o te atawhai me te whakawhitiwhiti. E hiahia ana e te atawhai te māramatanga ina nekehia, ka wehewehea rānei, ka mau tonu te rahi o tētahi ahanoa. Ko te mōhiotanga ka taea te whakataurite i ngā ine o ngā ahanoa e rua ki tētahi ahanoa tuatoru. Hei tauira, mēnā he nui ake te taumaha o te ahanoa A i te ahanoa B, ā, he nui ake te taumaha o te ahanoa B i te ahanoa C, kātahi ka nui ake te taumaha o te ahanoa A i te ahanoa C.

He mātāpono matua e pā ana ki te inenga tae atu ki te rahi o te wae inenga e noho ōrite ana (tae atu ki ngā wae ōrite, ngā wehenga iti rānei), ka tāruatia ngā wae kāore he āputa, he inaki rānei (au), he wāhanga te wae o te katoa, ā, ka whakapuakina te inenga hei tapeke o ngā wae e whakamahia ana.

Hei āwhina i te kaiako

Whakangāwari i ngā ākonga ki te haere ki ngā ariā inenga tae atu ki te whakamahi i te wae ine ōrite, me mātua whakarite kāore he āputa me te tārua i te wae ine ki te mutunga o te roanga.

Mō te tūmahi takitahi, me whai huinga ahanoa ka taea e ngā ākonga te whakamahi hei ine (hei tauira, centi-cubes, multilink, rods, ones cubes, match-sticks), me mātua whakarite he nui ngā ahanoa i roto i te huinga ka taea e rātou te taupoki i te roanga katoa hei ine.

Wā toha

Tīpakohia ngā ākonga ki te whakaatu i te inenga me te aro atu ki ngā ariā inenga i whakamahia e rātou, tae atu ki te whakamahi i te wae tukurua ōrite, me te whakarite kāore he āputa me te whakamahi tika i te whitiaau.

Hono

Tauira e ine ana i tētahi o ngā huarahi kua horoia ki tētahi huinga taputapu, engari ka waiho he āputa i waenganui i te wae inenga. Tonoa ngā ākonga ki te kōrerorero i ngā pātai e whai ake nei:

- He aha te rerekētanga o taku inenga?
- Ko wai i ine tika ake?

Ka taea e koe te āwhina i ahau ki te whakatika i aku hapa inenga?

Whainga ako Ka ako ngā mokopuna ki te:

Whakatauritea te roanga o te raina mā te whakamahi i ngā wae paerewa-kore.

Whakamahia ngā wae paerewa-kore hei ine i te roanga.

Tatauria ngā tau oti o ngā wae hei whakaahua i te inenga.

Whakamahia te reo inenga hei whakaahua i te whakataurite o te roanga.

Marautanga

Tau 1

Whakatairite i te roa, te papatipu, te taumaha, te paemahana, te rōrahi, te kītanga mā te ine ōkiko: h.t., mā te whakatairite i ētahi taonga e rua

Reo Pāngarau

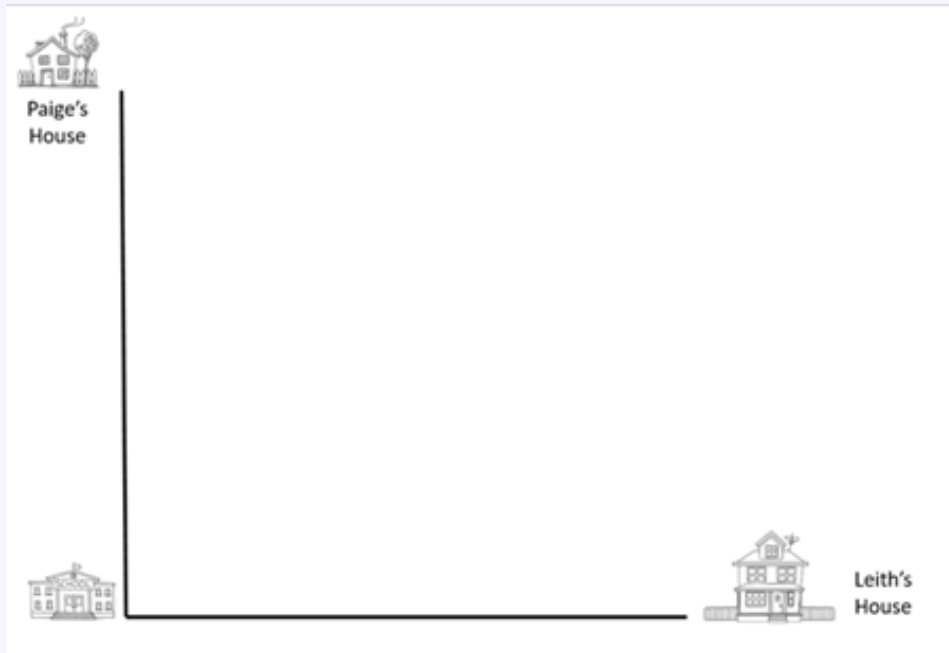
Te roa, te wae ine, te tatau inenga, te roa, te poto rawa, te ōrite.

Ngā Tūmahi Takitahi

E whakaaro ana a Puawai rāua ko Leith ko rāua te hīkoi roa rawa mai i te kāinga ki te kura.

Whakamahia ngā taputapu hei ine i tō rātou hīkoi ki te kāinga me te kite ko wai te hīkoi roa rawa.

Whakapūketetia tō wae inenga me te tatau inenga.

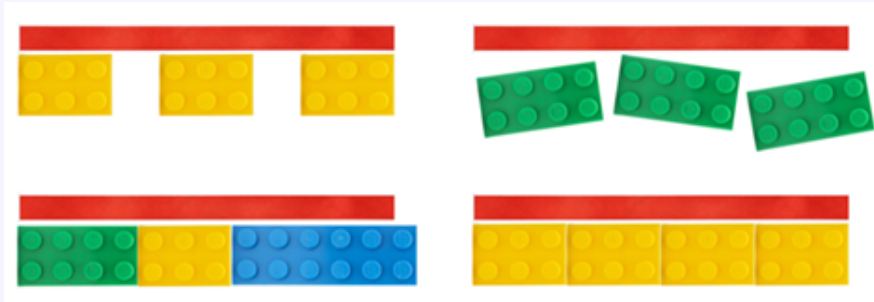


Ngā Tumanako

Ngā Rongoā, Ngā Pōhēhētanga

Tūmahi 3

Kei te ako a Little Miss Messy ki te ine. Ka tīmata a ia ki te ine i te rīpene.



Tirohia ia pikitia he pēhea te ine a Little Miss Messy me te whakatau mēnā i tika tana inenga.

Ka taea e koe te āwhina i a ia mā te whakamārama i tāna mahi tika, me pēhea te whakatika i ōna hē me te ine i te huarahi tika?

Hei āwhina i te kaiako

Mēnā e hiahiatia ana, hoatu ki ngā ākonga he rauemi raima hei whakatika i ngā hē i mahia e Little Miss Messy.

Ko ngā ariā inenga i roto i tēnei akoranga ko te hiahia ki te whakamahi i te wae ine ōrite, me mātua whakarite kāore he āputa, he īnaki rānei, me te tārua i te wae ine mai i te tīmatanga ki te mutunga o te roanga e inetia ana.

Mō te tūmahi takitahi, me whai huinga ahanoa ka taea e ngā ākonga te whakamahi hei ine (hei tauira, ngā kupiki-centi, ngā honomaha, ngā kupiki kotahi), me mātua whakarite he nui ngā ahanoa i roto i te huinga kia taea ai e rātou te taupoki i te roanga katoa hei ine.

Kia mōhio mai, hurihia ngā tau o ngā panga kia ōrite ki tō wae inenga me ngā ahanoa o tō akomanga, i tēnei wā ko ngā ahanoa e whai ake nei: te paraihe peita, te penerākau, te pepa, te pene rākau, me te pukapuka.

Wā toha

Whakaaturia ia pikitia, kātahi ka tiritiri anō ngā ākonga i ā rātou tohutohu ki a Little Miss Messy. Tuhia ngā whakamāramatanga e hoatu ana e rātou.

Ngā Whakaaro Matua o te Ao

He maha ngā huanga ka taea e mātou te ine tae atu ki te roa, te papatipu, te wā, te horahanga, te koki, me te rōrahi. Ina inea e tātau, ka whakamahia e tātau te whakataurite, ko te tikanga, ka whakataurite i ngā āhuatanga kia kite ko tēhea te mea nui ake. Ka taea e mātou te whakataurite mā te whakamahi i ngā wae ine paerewa, paerewa rānei, ā, ka whakamahi mātou i te reo pāngarau hei whakaahua i ēnei.

He mātāpono matua e pā ana ki te inenga tae atu ki te rahi o te wae inenga e noho ōrite ana (tae atu ki ngā wae ōrite, ngā wehenga iti rānei), ka tāruatia ngā wae kāore he āputa, he īnaki rānei (au), he wāhanga te wae o te katoa, ā, ka whakapuakina te inenga hei tapeke o ngā wae e whakamahia ana.

Hono

Pānuitia ngā whakamārama a te ākonga, ka tono kia whakawhanake i tētahi rārangi me pēhea te ine tika. Hopukina ngā urupare me te whakaatu ki te pakitara pāngarau.

Whainga ako Ka ako ngā mokopuna ki te:

Whakamahia ngā wae paerewa-kore hei ine i te roanga.

Tautuhia ngā ariā matua e pā ana ki te inenga tae atu ki te whakamahi i te wae me te whitiauau ōrite.

Whakamahia te reo inenga hei whakaahua me pēhea te ine tika i te roanga.

Ngā Tūmahi Takitahi

He aha ahau?

E 18 kupiki te roa o ahau. He paraire tōku i te pito. He aha ahau?

E 11 kupiki te roa o ahau. Ka tātuhi tahi koe me au. He aha ahau?

E 20 kupiki te roa o ahau. Ka tuhituhi koe, ka tuhi mai ki ahau. He aha ahau?

E 8 kupiki te roa o ahau. Ka tae mai koe ki a au. He aha ahau?

E 14 kupiki te roa o ahau. He kupu tāku. He aha ahau?

Marautanga

Tau 1

Whakatairite i te roa, te papatipu, te taumaha, te paemahana, te rōrahi, te kītanga mā te ine ōkiko: h.t., mā te whakatairite i ētahi taonga e rua

Reo Pāngarau

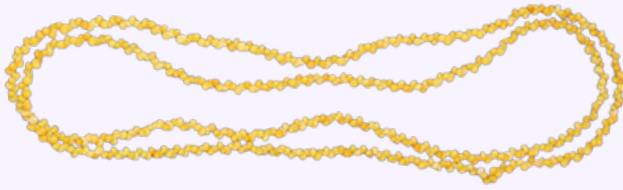
Roa, wae ine, tukurua, āputa.

Ngā Tumanako

Ngā Rongoā, Ngā Pōhēhētanga

Tūmahi 4

He kahoa hihi tā Teuila mo tana huihuinga whānau. E hiahia ana a ia ki te pupuri i te mea roa rawa hei hoatu ki tana Nena.



Whakamahia te wae inenga hai mahi ko wai te kahoa hihi roa rawa. Ka taea e koe te ine ki te wae inenga kotahi? Whakapūketetia te wae inenga me te tataua inenga.

Hei āwhina i te kaiako

I mua i te tīmatanga, whakaaturia ki ngā ākonga te whakaahua o Miss Messy iti e ine ana (i roto i ngā matua tārua). Pātai atu ki ngā ākonga kia whakamārama he aha te pikitia e whakaatu ana i te ine tika a Miss Messy. Tautokona ngā ākonga ki te hanga i tētahi whakamārama mārama me pēhea te ine. Tērā pea ka hiahia koe ki te tuhi i tēnei mō te pātū pāngarau.

Kia toru te roa o te aho (i waenga i te 15 – 20 henimita te roa mēnā e whakamahi ana i ngā kupiki, 20 – 30 henimita rānei mēnā ka whakamahi i ngā tokotoko roa ake) hei ine mā ia ākonga, kātahi ko ngā kupiki-heneti, ngā kupiki honomaha, ngā tokotoko rānei hei whakamahi hei wae ine.

Tukua ngā ākonga ki te ine mā te whakamahi i tētahi huinga e kapi ana i te roanga katoa, i tētahi wae kotahi rānei.

Mēnā ka kōwhiri ngā ākonga ki te whakamahi i tētahi wae kotahi, me whakangāwari rātou ki te kite me pēhea rātou e aroturuki ai i te wāhi i mutu ai te kupiki (mā te whakamahi i te matimati, i te tohu pene rānei) kia mōhio ai rātou ki hea nuku ai i muri mai.

Whakamahia māramatia te kupu roa hei whakaahua i te inenga paerangi.

Tautoko hoki i ngā ākonga ki te hoatu i te wae ine i roto i tā rātou whakamārama (hei tauira, "18 centi-cubes te roa o te roa"). Tautokona ngā ākonga ki te whakamahi i te whakarōpū hei hopu i ā rātou tataua inenga.

Mō te tūmahi takitahi, me whai huinga ahanoa ka taea e ngā ākonga te whakamahi hei ine hei taupoki i te roanga katoa (hei tauira, centi-cube, multilink rānei).

Ngā Whakaaro Matua o te Ao

He maha ngā huanga ka taea e mātou te ine tae atu ki te roa, te papatipu, te wā, te horahanga, te koki, me te rōrahi. Ina inea e tātau, ka whakamahia e tātau te whakataurite, ko te tikanga, ka whakataurite i ngā āhuatanga kia kite ko tēhea te mea nui ake. Ka taea e mātou te whakataurite mā te whakamahi i ngā wae ine paerewa, paerewa rānei, ā, ka whakamahi mātou i te reo pāngarau hei whakaahua i ēnei.

E hiahia ana e te māramatanga ariā o te inenga te māramatanga o te atawhai me te whakawhitiwhiti. E hiahia ana e te atawhai te māramatanga ina nekehia, ka wehewehea rānei, ka mau tonu te rahi o tētahi ahanoa. Ko te mōhiotanga ka taea te whakataurite i ngā ine o ngā ahanoa e rua ki tētahi ahanoa tuatoru. Hei tauira, mēnā he nui ake te taumaha o te ahanoa A i te ahanoa B, ā, he nui ake te taumaha o te ahanoa B i te ahanoa C, kātahi ka nui ake te taumaha o te ahanoa A i te ahanoa C.

He mātāpono matua e pā ana ki te inenga tae atu ki te rahi o te wae inenga e noho ōrite ana (tae atu ki ngā wae ōrite, ngā wehenga iti rānei), ka tāruatia ngā wae kāore he āputa, he inaki rānei (au), he wāhanga te wae o te katoa, ā, ka whakapuakina te inenga hei tapeke o ngā wae e whakamahia ana.

Wā toha

Tīpakohia ngā ākonga hei tiritiri ko wai ka taea te ine mā te whakamahi i tētahi wae inenga me te whakarite kāore he āputa (mā te whakamahi i te matimati, i te tohu pene rānei i ia wā) me te whakamahi tika i te whitiaua. Mēnā kāore he ākonga i ine mā te whakamahi i tētahi wae inenga, whakatauirā tēnei hei mea i mahia e ngā ākonga o mua.

Hono

Whakaurua he aho tuawhā, he rerekē te roa. Pātai atu ki ngā ākonga kia whakatau tata i te roa o te aho, kātahi ka ine mā te whakamahi i tō rātou wae inenga me te whakataurite i ngā hua.

Whainga ako Ka ako ngā mokopuna ki te:

Whakatauritea te roanga o te raina mā te whakamahi i ngā wae paerewa-kore.

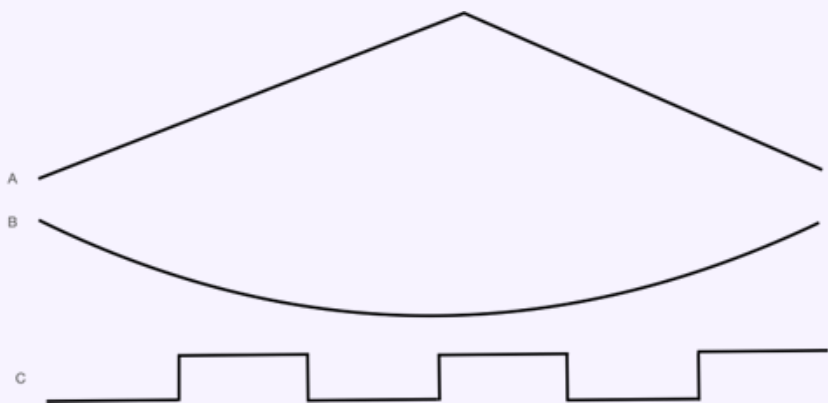
Whakamahia ngā wae paerewa-kore hei ine i te roanga.

Tatauria ngā tau oti o ngā wae hei whakaahua i te inenga.

Whakamahia te reo inenga hei whakaahua i te whakataurite o te roanga.

Ngā Tūmahi Takitahi

Kei te hanga taura pekepeke a Ailine rāua ko Emme. E hiahia ana rātāu ki te hoatu i te mea roa rawa ki to rātāu tuakana. Inea ngā taura pekepeke, ka kite ko tēhea te roa rawa.



Whakapūketetia tō wae inenga me te tataua inenga.

Marautanga

Tau 1

Whakatairite i te roa, te papatipu, te taumaha, te paemahana, te rōrahi, te kītanga mā te ine ōkiko: h.t., mā te whakatairite i ētahi taonga e rua

Reo Pāngarau

Roa, wae ine, tukurua, āputa.

Ngā Tumanako

Ngā Rongoā, Ngā Pōhēhētanga

Tūmahi 5

Ki tōu whakaaro he pēhea te whānui o te akomanga?

Whakamahia tētahi wāhanga o tō tinana hei wae ine, ka ine i te whānui. Whakapūketetia tō hua.

Hei āwhina i te kaiako

I te wā o te whakarewatanga, me mātua mōhio ngā ākonga ko te whānui te tawhiti hāngai mai i tētahi taha (pito o te rūma) ki tētahi.

Whakamahia māramatia te kupu roa hei whakaahua i te inenga paerangi.

Tautoko hoki i ngā ākonga ki te hoatu i te wae ine i roto i tā rātou whakamārama (hei tauira, "18 waewae te roa o te roa"). Whakangāwari i ngā ākonga ki te haere ki ngā ariā inenga tae atu ki te whakamahi i te wae ine ōrite, me mātua whakarite kāore he āputa me te tārua i te wae ine ki te mutunga o te roanga.

Mō te tūmahi takitahi, me whai pepa me ngā pene hei tā huri noa i ō rātou waewae me ngā ahanoa ka taea e ngā ākonga te ine (hei tauira, centi-cube, multilink, ones cube).

Mēnā he ākonga e hiahia tonu ana ki te ine i te mutunga ki te mutunga, hoatu ki a rātou he huinga ahanoa hei taupoki i te roanga katoa.

Wā toha

Tuhia me te whakaatu i ngā hua mō ia ākonga, tae atu ki te wae ine i whakamahia e rātou (wāhanga tinana) me te tatau inenga. Pātai atu ki ngā ākonga kia kōrerorero he aha i rerekē ai te tatau inenga mō ngā wāhanga tinana rerekē, i waenga rānei i ngā ākonga rerekē.

Hono

Pātai atu ki ngā ākonga kia whakatau tata, kātahi ka ine anō i te whānui mā te tauine mita. Pātai atu ki a rātou kia kōrerorero he aha i ōrite ai ō rātou hua ina whakamahi i te tauine mita.

Ngā Whakaaro Matua o te Ao

He maha ngā huanga ka taea e mātou te ine tae atu ki te roa, te papatipu, te wā, te horahanga, te koki, me te rōrahi. Ina ine mātou, ka whakamahi mātou i te whakataurite, ka whakataurite mātou i ngā āhuatanga pēnei kia kite ko tēhea te mea nui ake. Ka taea e mātou te whakataurite mā te whakamahi i ngā wae ine paerewa, paerewa rānei, ā, ka whakamahi mātou i te reo pāngarau hei whakaahua i ēnei.

E hiahia ana e te māramatanga ariā o te inenga te māramatanga o te atawhai me te whakawhitiwhiti. E hiahia ana e te atawhai te māramatanga ina nekehia, ka wehewehea rānei, ka mau tonu te rahi o tētahi ahanoa. Ko te mōhiotanga ka taea te whakataurite i ngā ine o ngā ahanoa e rua ki tētahi ahanoa tuatoru. Hei tauira, mēnā he nui ake te taumaha o te ahanoa A i te ahanoa B, ā, he nui ake te taumaha o te ahanoa B i te ahanoa C, kātahi ka nui ake te taumaha o te ahanoa A i te ahanoa C.

He mātāpono matua e pā ana ki te inenga tae atu ki te rahi o te wae inenga e noho ōrite ana (tae atu ki ngā wae ōrite, ngā wehenga iti rānei), ka tāruatia ngā wae kāore he āputa, he inaki rānei (au), he wāhanga te wae o te katoa, ā, ka whakapuakina te inenga hei tapeke o ngā wae e whakamahia ana.

Whainga ako Ka ako ngā mokopuna ki te:

Whakatauritea te roanga o te raina mā te whakamahi i ngā wae paerewa-kore.

Whakamahia ngā wae paerewa-kore hei ine i te roanga.

Tatauria ngā tau oti o ngā wae hei whakaahua i te inenga.

Whakamahia te reo inenga hei whakaahua i te whakataurite o te roanga.

Ngā Tūmahi Takitahi

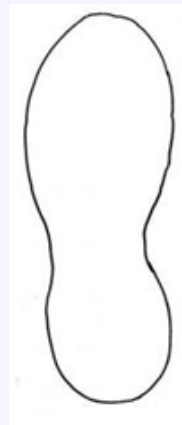
He pēhea te rahi o tō waewae?

Tāngia tō waewae. Ināianei tirohia mēnā ka taea e koe te ine i te roa o tō waewae mā tētahi wae inenga.

Whakapūketetia te tatau inenga.

Titiro ki roto i te pouaka hū. Ka kitea e koe he hū e tika ana ki a koe?

Whakamahia te wae inenga hei taki.



Marautanga

Tau 1

Whakatairite i te roa, te papatipu, te taumaha, te paemahana, te rōrahi, te kītanga mā te ine ōkiko: h.t., mā te whakatairite i ētahi taonga e rua

Reo Pāngarau

Te roa, te whānui, te wae ine, te tatau inenga, te roa, te poto rawa, te ōrite

Ngā Tumanako

Ngā Rongoā, Ngā Pōhēhētanga

Tūmahi 6

E hiahia ana te Pāpā o Mele kia pōkai ia i ēnei tīni kai ki roto i tētahi pouaka hei tuku ki tō rātou whānau i Tonga. E rua ana pouaka. E hia ka taea e ia te whakauru ki ia pouaka, ā, ka kati tonu i runga?

Ko tēhea pouaka e tino rōrahi ana?

Hei āwhina i te kaiako

I mua i te whakarewatanga o te tūmahi, pupuhi i ngā pūangi e toru, ā, ka whakangāwari i ngā ākonga ki te kōrerorero i ngā mea e pā ana ki te pūangi me te nui o te mokowā i a ia e pupuhi ana. Pātai atu ki ngā ākonga he aha te mea e tino nui ake ai te mokowā?

I te wā o te whakarewatanga, whakamahia e toru ngā pōkai kai rerekē te rahi. Tonoa ngā tamariki kia raupapa mai i te mea nui ki te iti rawa, me te kōrerorero ki ngā tamariki ko tēhea te wāhi nui rawa (rōrahi).

Me whai pouaka nui kua tapaina ko A me B hei mahi mā ngā ākonga. Whakamahia ngā pōkai kai e ōrite ana te rahi (hei tauira, ngā kēne hupa, ngā pouaka kaiaka) ki te wae inenga.

Aroturuki mō ngā ākonga e whakamahi ana i ngā kupu kei roto ko te mokowā, te rōrahi, me te nui ake i te, iti iho, ōrite hoki.

Tirohia ngā ākonga e whakamahi ana i te whakarōpū, i te tatau rānei ki te kimi i te maha o ngā wae inenga. Ki te kore ēnei e whakamahia, whakatauiria me pēhea te whakamahi.

Tūmanako kia whakaatu ngā ākonga i ā rātou rongoā mā te tātuhi me ngā tau.

Whakataurite i waenga i te tatau inenga me te rahi o te wae inenga. Kōrerorerotia ki ngā ākonga, ko te nui ake o te wae inenga, ko te nui ake o te mokowā, nō reira he iti iho te uru ki te pouaka rahi ōrite.

Mō te tūmahi takitahi, he rerekē ngā ipu rahi e wātea ana me ngā huinga paraka, ngā kupiki hono-maha, me ngā pere hei whakamahi hei wae inenga.

Ngā Whakaaro Matua o te Ao

He maha ngā huanga ka taea e mātou te ine tae atu ki te roa, te papatipu, te wā, te horahanga, te koki, me te rōrahi. Ina ine mātou, ka whakamahi mātou i te whakataurite, ka whakataurite mātou i ngā āhuatanga pēnei kia kite ko tēhea te mea nui ake. Ka taea e mātou te whakataurite mā te whakamahi i ngā wae ine paerewa, paerewa rānei, ā, ka whakamahi mātou i te reo pāngarau hei whakaahua i ēnei.

He mātāpono matua e pā ana ki te inenga tae atu ki te rahi o te wae inenga e ōrite tonu ana (tae atu ki ngā wae ōrite, wehenga roto rānei), ka tāruatia ngā wae kāore he āputa, he inaki rānei (au), he wāhanga te wae o te katoa, ā, ka whakapuakina te inenga hei tau katoa o ngā wae e whakamahia ana.

Wā toha

Tīpakohia ngā ākonga ki te tiritiri ko wai e ine ana i te rōrahi o ngā pouaka mā te whakaapa i raro i te tuatahi, kātahi ka whakakī i te toenga o te pouaka, me te whakarite kia iti noa iho ngā mokowā e taea ana. Arotahi hoki ki ngā ākonga e whakamahi ana i te whakarōpū, i te tatau rānei i ngā rongoā hei kimi i te tatau wae inenga.

Hono

Whakamahia tētahi pōkai kai rerekē (nui ake, iti iho rānei, hei tauira, ngā pouaka kaiaka, ngā pōkai hupa) me ngā rahinga rerekē o te pōkai. Tonoa ngā ākonga ki te kōrerorero e hia o ia pōkai ka uru ki roto i ngā pouaka, me te whakataurite i te maha o ngā wae inenga mō ia pouaka. Ka tuhia e te kaiako ngā rongoā mā te whakaaturanga e pā ana ki ngā tau me te tātuhi. Pātai "he aha te tatau inenga ina whakamahi koe i tētahi wae inenga kē?".

Whainga ako Ka ako ngā mokopuna ki te:

Whakatauritea te rōrahi o tētahi ipu mā te whakamahi i ngā wae paerewa-kore.

Whakamahia ngā wae paerewa-kore hei ine rōrahi.

Tatauria ngā tau oti o ngā wae hei whakaahua i te inenga.

Whakamāramatia te whanaungatanga i waenga i te rahi o te wae inenga me te tatau inenga.

Ngā Tūmahi Takitahi

Whakamahia ngā rauemi rerekē hei ine i te rōrahi o ia ipu.

Whakapūketetia te tatau inenga mō ia wae inenga rerekē i whakamahia e koe. Tāngia tētahi pikitia hei whakaatu i tō inenga i ngā ipu rerekē, ka tuhi hoki i ngā tau kia ōrite.

Marautanga

Tau 1

Whakatairite i te roa, te papatipu, te taumaha, te paemahana, te rōrahi, te kītanga mā te ine ōkiko: h.t., mā te whakatairite i ētahi taonga e rua

Reo Pāngarau

Mokowā, rōrahi, nui ake i te, iti iho i, ōrite, wae inenga, kaute inenga, nui rawa.

Ngā Tumanako

Ngā Rongoā, Ngā Pōhēhētanga

Tūmahi 7

E hiahia ana a Leilani ki te kōwhiri i tētahi pouaka hei whakarākai mo ana taonga. E hiahia ana a ia ki te pouaka me te rōrahi nui rawa.

Ka taea e koe te whakamahi i te rauemi hei whakatau ko tēhea pouaka e tino rōrahi ana?

Hei āwhina i te kaiako

Me whai pouaka iti (hei tauira, pouaka hū, iti ake rānei). Hoatu ki ngā ākonga he kupiki, he paraka rānei e ōrite ana te rahi hei wae inenga.

Aroturuki mō ngā ākonga e whakamahi ana i ngā kupu kei roto ko te mokowā, te rōrahi, me te nui ake i te, iti iho, ōrite hoki.

Tirohia ngā ākonga e whakamahi ana i te whakarōpū, i te tatau rānei ki te kimi i te maha o ngā wae inenga. Ki te kore ēnei e whakamahia, whakatauiria me pēhea te whakamahi.

Tūmanako kia whakaatu ngā ākonga i ā rātou rongoā mā te tātuhi me ngā tau.

Whakataurite i waenga i te tatau inenga me te rahi o te wae inenga. Kōrerorerotia ki ngā ākonga, ko te nui ake o te wae inenga, ko te nui ake o te mokowā, nō reira he iti iho te uru ki te pouaka rahi ōrite.

Mō te tūmahi takitahi, me whai pouaka iti me ngā rauemi ine e wātea ana hei whakamahi mā ngā ākonga, ka hiahia pea koe ki te tautuhi hei teihana hei tītaka mā ngā ākonga.

Wā toha

Tīpakohia ngā ākonga ki te tiritiri ko wai e ine ana i te rōrahi o ngā pouaka mā te whakaapa i raro i te tuatahi, kātahi ka whakakī i te toenga o te pouaka, me te whakarite kia iti noa iho ngā mokowā e taea ana. Arotahi hoki ki ngā ākonga e whakamahi ana i te whakarōpū, i te tatau rānei i ngā rongoā hei kimi i te tatau wae inenga.

Hono

Tauira e ine ana i te rōrahi o te pouaka, engari waiho he āputa mārama, ā, ka whakamahia e rua ngā rahi kupiki rerekē. Pātai atu ki ngā ākonga mō ngā huatau hei whakawhanake i ngā tohutohu me pēhea te ine rōrahi. Hopukina ēnei ka whakaatu ki tō pakitara pāngarau.

Ngā Whakaaro Matua o te Ao

He maha ngā huanga ka taea e mātou te ine tae atu ki te roa, te papatipu, te wā, te horahanga, te koki, me te rōrahi. Ina ine mātou, ka whakamahi mātou i te whakataurite, ka whakataurite mātou i ngā āhuatanga pēnei kia kite ko tēhea te mea nui ake. Ka taea e mātou te whakataurite mā te whakamahi i ngā wae ine, paerewa, paerewa rānei, ā, ka whakamahi mātou i te reo pāngarau hei whakaahua i ēnei.

He mātāpono matua e pā ana ki te inenga tae atu ki te rahi o te wae inenga e noho ōrite ana (tae atu ki ngā wae ōrite, ngā wehenga iti rānei), ka tāruatia ngā wae kāore he āputa, he īnaki rānei (au), he wāhanga te wae o te katoa, ā, ka whakapuakina te inenga hei tapeke o ngā wae e whakamahia ana.

Whainga ako Ka ako ngā mokopuna ki te:

Whakatauritea te rōrahi o tētahi ipu mā te whakamahi i ngā wae paerewa-kore.

Whakamahia ngā wae paerewa-kore hei ine rōrahi.

Tatauria ngā tau oti o ngā wae hei whakaahua i te inenga

Ngā Tūmahi Takitahi

He aha te rōrahi o ēnei pouaka?

Mēnā ka hanga koe i tētahi pouaka taonga māu, ko tēhea tāu e kōwhiri, he aha hoki?

Marautanga

Tau 1

Whakatairite i te roa, te papatipu, te taumaha, te paemahana, te rōrahi, te kītanga mā te ine ōkiko: h.t., mā te whakatairite i ētahi taonga e rua

Reo Pāngarau

Mokowā, rōrahi, nui ake i te, iti iho i, ōrite, wae inenga, kaute inenga.

Ngā Tumanako

Ngā Rongoā, Ngā Pōhēhētanga

Tūmahi 8

Kua mahia e Teremoana ētahi tōnati. E miharo ana tana teina ko wai te donut nui rawa. He aha tāu e kōrero ai ki a ia?

Hei āwhina i te kaiako

Mō te whakarewatanga, whakamahia kia rua ngā keke ōrite (hei tauira, playdough or modelling clay). Tapahia tētahi o ngā keke kia mongamonga, ka pātai atu ki ngā tamariki kia kōrero mēnā he nui ake, he iti iho rānei te keke, he nui ake, he iti ake, he ōrite? Ki te hiahia, whakakotahitia anō ngā wāhanga hei whakaatu kāore anō kia rerekē te rōrahi.

Whakamahia ngā pikitia o tētahi tōnati, o tētahi kai rānei e hāngai ana ki ō ākonga. Kia ōrite te pikitia ki te donut katoa me te donut ōrite kia tapahia ki ngā haurua, ki ngā hauwhā, ki ngā wāhanga rahi rerekē.

Me whakawātea i te purei, mēnā e hiahia ana, hoatu he pōro ki ngā ākonga hei whakatauiria ā-tinana i te donut.

Aroturuki mō ngā ākonga e whakamahi ana i ngā kupu kei roto ko te mokowā, te rōrahi, me te nui ake i te, iti iho, ōrite hoki.

Mō te mahi takitahi, me whai pikitia o ngā ahanua rerekē, ōrite hoki te rahi (hei tauira, keke, merengi, whare kiriki).

Wā toha

Tīpakohia ngā ākonga ki te tiritiri i ngā rautaki rongoā i te wāhi i mōhio ai rātou ka ōrite tonu te rōrahi o tētahi ahanua ahu-3 ahakoa te raupapa, te raunaha anō.

Hono

Hoatu ki ngā ākonga he uku tākaro, he uku tauira rānei, ā, tonoa ngā ākonga kia hanga hanga kia ōrite te mokowā (rōrahi), te mokowā (rōrahi), te mokowā iti iho rānei (rōrahi).

Ngā Whakaaro Matua o te Ao

He maha ngā huanga ka taea e mātou te ine tae atu ki te roa, te papatipu, te wā, te horahanga, te koki, me te rōrahi. na ine mātou, ka whakamahi mātou i te whakataurite, ka whakataurite mātou i ngā āhuatanga pēnei kia kite ko tēhea te mea nui ake. Ka taea e mātou te whakataurite mā te whakamahi i ngā wae ine paerewa, paerewa rānei, ā, ka whakamahi mātou i te reo pāngarau hei whakaahua i ēnei.

He mātāpono matua e pā ana ki te inenga tae atu ki te rahi o te wae inenga e ōrite tonu ana (tae atu ki ngā wae ōrite, wehenga roto rānei), ka tāruatia ngā wae kāore he āputa, he inaki rānei (au), he wāhanga te wae o te katoa, ā, ka whakapuakina te inenga hei tau katoa o ngā wae e whakamahia ana.

Whainga ako Ka ako ngā mokopuna ki te:

Whakatauritea te rōrahi o ngā ahanoa.

Whakamāramatia ina wehewehea tētahi ahanoa ka ōrite tonu te rōrahi (tiakitanga).

Ngā Tūmahi Takitahi

Titiro ki ngā pikitia.

Ko tēhea ahanoa te rōrahi nui rawa?

Ko tēhea ahanoa te rōrahi iti rawa?

He ōrite te rōrahi o ētahi ahanoa?

Tirohia te akomanga.

He aha tāu e kite ai he rōrahi nui?

He aha tāu e kite ai he rōrahi iti tōna?

He ōrite te rōrahi o tētahi mea?

Marautanga

Tau 1

Whakatairite i te roa, te papatipu, te taumaha, te paemahana, te rōrahi, te kītanga mā te ine ōkiko: h.t., mā te whakatairite i ētahi taonga e rua

Reo Pāngarau

Mokowā, rōrahi, neke atu i te, iti iho i te, ōrite, wehewehe.

Ngā Tumanako

Ngā Rongoā, Ngā Pōhēhētanga

Tūmahi 9

Kōwhiria kia rua ngā ipu ka tīkina ake.

He aha tāu e kite ai mō tō rōrahi?
Ko tēhea te rōrahi nui ake?

He aha tāu e kite ai mō tō rātou papatipu?
Ko tēhea te taumaha ake, ko tēhea te māmā ake?

Hei āwhina i te kaiako

He maha ngā pounamu me ngā ipu e ōrite ana kia taea ai e ngā ākonga te whakawhiti me te tūhura i ēnei i a rātou e mahi ana.

Tonoa ngā ākonga kia pupuri i ngā ipu e 2 (pounamu iti, pākete) ko tētahi o ēnei kī tonu i ētahi mea (oneone, kirikiri, pīni) me te kati i ngā kanohi, kōrerorero me te whakataurite i waenga i ngā ipu e 2 e whakaahua ana i te papatipu.

Whakangāwari i ngā ākonga kia mārāma ka ōrite te rōrahi o ngā ipu e rua (he ōrite te mokowā) engari he rerekē te nui o ngā mea i roto i a rātou, nā reira he rerekē te papatipu.

Me mātua whakarite kei te whakamahia te kupu papatipu mō te take i roto i te ipu. Tūmanako kia whakamahi ngā ākonga i te reo inenga hei whakaahua i te papatipu.

Mō te mahi takitahi, me whai ipu rerekē te rahi (kua tapaina ki ngā tau, ki ngā pū rānei) ka taea te whakakī ki te wai.

Wā toha

Tīpakohia ngā ākonga hei tiritiri mā te whakamahi i te awhe reo inenga hei whakaahua i ngā mea e kitea ana e rātou.

Hono

He maha ngā pikitia o ngā ipu me ngā rawa rerekē. Kōrerorerotia me te whakataurite i ēhea te rōrahi ōrite, rerekē hoki, me te papatipu.

Ngā Whakaaro Matua o te Ao

He maha ngā huanga ka taea e mātou te ine tae atu ki te roa, te papatipu, te wā, te horahanga, te koki, me te rōrahi. Ina ine mātou, ka whakamahi mātou i te whakataurite, ka whakataurite mātou i ngā āhuatanga pēnei kia kite ko tēhea te mea nui ake. Ka taea e mātou te whakataurite mā te whakamahi i ngā wae ine paerewa, paerewa rānei, ā, ka whakamahi mātou i te reo pāngarau hei whakaahua i ēnei.

He mātāpono matua e pā ana ki te inenga tae atu ki te rahi o te wae inenga e noho ōrite ana (tae atu ki ngā wae ōrite, ngā wehenga iti rānei), ka tāruatia ngā wae kāore he āputa, he inaki rānei (au), he wāhanga te wae o te katoa, ā, ka whakapuakina te inenga hei tapeke o ngā wae e whakamahia ana.

Whainga ako Ka ako ngā mokopuna ki te:

Whakataurite me te raupapa i te papatipu o ngā ahanoa.

Whakamahia te reo inenga hei whakaahua i te whakataurite o te papatipu.

Ngā Tūmahi Takitahi

Titiro ki ngā ipu.

Ko tēhea ipu e pupuri ana i te rōrahi tino nui?
Ko tēhea ipu e pupuri ana i te rōrahi iti rawa?
Tuhia te raupapa mai i te mea nui ki te iti rawa.

Ināianeī whakamātauria me te whakamatau i tō whakaaro mā te wai.

Marautanga

Tau 1

Whakatairite i te roa, te papatipu, te taumaha, te paemahana, te rōrahi, te kītanga mā te ine ōkiko: h.t., mā te whakatairite i ētahi taonga e rua

Reo Pāngarau

Papatipu, he ōrite, he rerekē, he taumaha ake, he māmā ake, he iti iho te papatipu, he nui ake, he nui.

Ngā Tumanako

Ngā Rongoā, Ngā Pōhēhētanga

Tūmahi 10

Whakamahia te tauine toenga hei pauna i ngā ahanoa.

Ka taea e koe te kimi i ētahi ahanoa e ōrite ana te papatipu?

Ka kitea e koe ētahi ahanoa he iti iho te papatipu?

Ka kitea e koe ētahi ahanoa he nui ake te papatipu?

Hei āwhina i te kaiako

Hei whakarewa i te tūmahi, whakaaturia ki ngā ākonga he pikitia o tētahi kani wātea me ngā pikitia o ngā tamariki pakeke me ngā pakeke rerekē. Tonoa ngā ākonga ki te whakaahua me pēhea e taea ai te whakarite kia whārite ai te tīmata, kia taumaha ake, kia māmā ake rānei i ia pito.

Mō te mahi, whakamahia ngā toenga ringa ōrite (e rua rānei ngā pēke kirihou i ngā pito e rua o te tautau koti e mau ana i te matau.

Mēnā ka whakamahia e ngā ākonga te kupu 'taumaha', pēhia rātou ki te kōrero papatipu ina kōrero mō te take i roto i te ipu.

Whakatauiria ki ngā ākonga me pēhea te whakaatu i ō rātou whakaaro pēnei i te papatipu o ngā pukapuka e 2 neke atu i te 3 ngā pene rākau mā te whakamahi i te < >, = rānei.

Mō te tūmahi takitahi, me whai pukapuka me ngā ahanoa me ngā tauine whārite hei whakamahi mā ngā ākonga.

Wā toha

Tīpakohia ngā ākonga hei tiritiri mā te whakamahi i te awhe reo inenga hei whakaahua i ngā mea e kitea ana e rātou.

Hono

He ōrite, he rerekē rānei te horahanga o ēnei hanga?

Me whai pikitia o ngā kai tīni rerekē (hei tauira, huarākau, hupa, pīni tunutunu). Tonoa ngā ākonga ki te tīpako tīni kia ōrite ai te papatipu, kia whārite hoki. Whakapūketetia ki te tau i raro i ngā pikitia i roto i tētahi rerenga tau (hei tauira, 3 = 3). Tonoa ngā ākonga ki te kimi tauira e nui ake, iti iho rānei te papatipu i ia taha. Whakapūketetia hei rerenga tau mā te whakamahi i te < me te >.

Ngā Whakaaro Matua o te Ao

He maha ngā huanga ka taea e mātou te ine tae atu ki te roa, te papatipu, te wā, te horahanga, te koki, me te rōrahi. Ina ine mātou, ka whakamahi mātou i te whakataurite, ka whakataurite mātou i ngā āhuatanga pēnei kia kite ko tēhea te mea nui ake. Ka taea e mātou te whakataurite mā te whakamahi i ngā wae ine paerewa, paerewa rānei, ā, ka whakamahi mātou i te reo pāngarau hei whakaahua i ēnei.

He mātāpono matua e pā ana ki te inenga tae atu ki te rahi o te wae inenga e noho ōrite ana (tae atu ki ngā wae ōrite, ngā wehenga iti rānei), ka tāruatia ngā wae kāore he āputa, he inaki rānei (au), he wāhanga te wae o te katoa, ā, ka whakapuakina te inenga hei tapeke o ngā wae e whakamahia ana.

Whainga ako Ka ako ngā mokopuna ki te:

Whakataurite me te raupapa i te papatipu o ngā ahanoa.

Whakamahia te reo inenga hei whakaahua i te whakataurite o te papatipu.

Ngā Tūmahi Takitahi

Kei tētahi taha o te tauine whārite te pukapuka, ā, e rua ngā ahanoa kei tērā taha kia taumata ai te tauine. He aha pea ngā ahanoa e rua?

Ka taea e koe te kimi rongoā rerekē mā te tauine?

Marautanga

Tau 1

Whakatairite i te roa, te papatipu, te taumaha, te paemahana, te rōrahi, te kītanga mā te ine ōkiko: h.t., mā te whakatairite i ētahi taonga e rua

Reo Pāngarau

He ōrite, he rerekē, he taumaha ake, he māmā ake, he iti iho te papatipu, he nui ake, he nui.

Ngā Tumanako

Ngā Rongoā, Ngā Pōhēhētanga

Tūmahi 11

E rua ngā parāoa a Tasi, he ōrite te papatipu. Ka tapahia e tōna Pāpā tētahi o ngā parāoa kia rua ngā wāhanga. E whakaaro ana a ia ka nui ake te papatipu o te parāoa kua tapahia kia rua.

E whakaae ana koe ki a Tasi?

Tapahia tētahi o ō parāoa ka whakamahi i ō unahi toenga kia kite mēnā ka rite tonu te papatipu, ka rerekē rānei.

Me ngana ki te tapahi i ngā parāoa ki ngā huarahi rerekē ka kite mēnā ka rerekē te papatipu, mēnā ka noho ōrite rānei i ngā wā katoa.

He aha tāu e kite nei?

Hei āwhina i te kaiako

I mua i te whakarewatanga o te tūmahi, tonoa ngā ākonga ki te hoatu tauira o ngā kararehe e nui ana te papatipu, me ngā kararehe he iti te papatipu.

Mō te tūmahi, hoatu ki ngā ākonga kia rua ngā wāhanga purei, uku tauira rānei i hangaia hei parāoa e ōrite ana te papatipu.

Whakangāwari i ngā ākonga ki te whakamātau i te wehewehenga i tētahi o ngā parāoa i roto i ngā huarahi rerekē hei whakaahua i te tiakitanga.

Wā toha

Tīpakohia ngā ākonga hei tiritiri e kite ana kei te ōrite tonu te papatipu o tētahi ahanoa ahakoa kua wehewehea ki ngā mongamonga.

Hono

Whakaritea he huinga pikitia o ngā keke rerekē me tētahi e tapahia ana, ā, ko tētahi e toe katoa ana. Tonoa ngā ākonga kia ōrite te papatipu o ngā huinga pikitia.

Ngā Whakaaro Matua o te Ao

He maha ngā huanga ka taea e mātou te ine tae atu ki te roa, te papatipu, te wā, te horahanga, te koki, me te rōrahi. Ina ine mātou, ka whakamahi mātou i te whakataurite, ka whakataurite mātou i ngā āhuatanga pēnei kia kite ko tēhea te mea nui ake. Ka taea e mātou te whakataurite mā te whakamahi i ngā wae ine paerewa, paerewa rānei, ā, ka whakamahi mātou i te reo pāngarau hei whakaahua i ēnei.

He mātāpono matua e pā ana ki te inenga tae atu ki te rahi o te wae inenga e noho ōrite ana (tae atu ki ngā wae ōrite, ngā wehenga iti rānei), ka tāruatia ngā wae kāore he āputa, he inaki rānei (au), he wāhanga te wae o te katoa, ā, ka whakapuakina te inenga hei tapeke o ngā wae e whakamahia ana.

Whainga ako Ka ako ngā mokopuna ki te:

Whakatauritea te papatipu o ngā ahanoa.

Whakamāramatia ina wehewehea tētahi ahanoa ka ōrite tonu te papatipu.

Ngā Tūmahi Takitahi

He aha ngā mea e kitea ana e koe he taumaha engari he iti?

He aha ngā mea ka kitea e koe he māmā engari he nui?

Marautanga

Tau 1

Whakatairite i te roa, te papatipu, te taumaha, te paemahana, te rōrahi, te kītanga mā te ine ōkiko: h.t., mā te whakatairite i ētahi taonga e rua

Reo Pāngarau

He ōrite, he rerekē, he taumaha ake, he māmā ake, he iti iho te papatipu, he nui ake, he nui.

Ngā Tumanako

Ngā Rongoā, Ngā Pōhēhētanga

Tūmahi 12

E hiahiatia ana e te poutāpeta tō āwhina ki te mahi i te tini o ngā mōkihi.

Ka taea e koe te whakamahi i ngā kupiki hei mahi i te papatipu o ia mōkihi?

Hei āwhina i te kaiako

Hei whakarewa i te tūmahi, pātai atu ki ngā ākonga mēnā kua rongo rātou i te kupu 'gram' me ō rātou whakaaro he aha te tikanga. Whakaurua te kupiki centi, ka kī atu ki ngā ākonga kotahi karamu te pauna. Tukuna ngā ākonga kia puritia. Kātahi ka whakaurua he rākau tekau centicubes, ā, ka whakatau kia tekau karamu te taumaha.

Mō te tūmahi, kua takaia ngā pouaka hei tohu i ngā mōkihi mō te poutāpeta. Kia wātea ngā tauine whārite hei ine mā ngā ākonga.

Me whakamahi ngā ākonga i ngā whakaaturanga (hei tauira, te tātuhi me ngā tau). Whakatauiria me pēhea te hopu i ngā tau me te tataui ki te tekau.

Whakangāwari i ngā ākonga kia kite ka taea te whakakotahi i te wae kia tekau ngā wae.

Wā toha

Tīpakohia ngā ākonga hei tiritiri ko wai i āhei ki te whakakotahi i ngā wae inenga kia kitea ai te papatipu o ngā mōkihi.

Hono

Tonoa ngā ākonga kia whakamahi i ngā ine papatipu o ō rātou hoa akomanga ki te tono i ngā mōkihi kua paunatia mai i te papatipu nui rawa atu ki te iti rawa. Arotahi ki te pēhea e taea ai te whakakotahi i ngā wae inenga hei tekau me te kotahi.

Ngā Whakaaro Matua o te Ao

He maha ngā huanga ka taea e mātou te ine tae atu ki te roa, te papatipu, te wā, te horahanga, te koki, me te rōrahi. Ina ine mātou, ka whakamahi mātou i te whakataurite, ka whakataurite mātou i ngā āhuatanga pēnei kia kite ko tēhea te mea nui ake. Ka taea e mātou te whakataurite mā te whakamahi i ngā wae ine paerewa, paerewa rānei, ā, ka whakamahi mātou i te reo pāngarau hei whakaahua i ēnei.

He mātāpono matua e pā ana ki te inenga tae atu ki te rahi o te wae inenga e noho ōrite ana (tae atu ki ngā wae ōrite, ngā wehenga iti rānei), ka tāruatia ngā wae kāore he āputa, he inaki rānei (au), he wāhanga te wae o te katoa, ā, ka whakapuakina te inenga hei tapeke o ngā wae e whakamahia ana.

Whainga ako Ka ako ngā mokopuna ki te:

Whakamahia ngā wae hei ine papatipu i runga i te tauine whārite.

Whakatauritea te papatipu o tētahi ahanoa mā te wetereo.

Ngā Tūmahi Takitahi

Tīpakohia tētahi, ētahi rānei o ngā tūmahi aromatawai e whai ake nei (kua āpitihia ki te mutunga o te tuhinga) hei tūmahi takitahi:

Tūmahi Aromatawai 1: Whakataurite Raina

Tūmahi Aromatawai 2: Ko tēhea pouaka te mea nui rawa?

Marautanga

Tau 1

Whakatairite i te roa, te papatipu, te taumaha, te paemahana, te rōrahi, te kītanga mā te ine ōkiko: h.t., mā te whakatairite i ētahi taonga e rua

Reo Pāngarau

He ōrite, he rerekē, he taumaha ake, he māmā ake, he iti iho te papatipu, he nui ake, he nui.

Ngā Tumanako

Ngā Rongoā, Ngā Pōhēhētanga

Aromatawai 1

Whakamahia tētahi mea i roto i te akomanga hei ine i ngā raina o raro nei. Tuhia ngā mea ka kōwhiria hei ine me te whakaatu i tō inenga i ia raina me te tatau inenga. Tapaina ngā raina mai i te poto rawa ki te roa rawa.



Aromatawai 2

Ko tēhea o ēnei pouaka te mea nui rawa? Ko tēhea te mea iti rawa? Whakaahuatia he pēhea tō inenga, he pēhea hoki tō mōhiotanga.

(Tuhipoka kaiako: Hoatu ki ngā ākonga kia 3 ngā pouaka iti me ngā centi-cubes, honongamaha rānei. Tangohia ngā whakaahua o te āhua ine a ngā ākonga).

