Hei mahi whakamahere anake

Paerewa Paetae Pāngarau 1.4B: Te whakamahi tikanga taurangi rārangi hei whakaoti rapanga.

Te Kaupapa Ako: Pāngarau

Te Ingoa o te Rauemi: Te Utu Tēkehi

Whiwhinga: 3

Tohutohu mā te Ākonga

Te Horopaki

E toru ngā umanga tēkehi i te tāone nui o Tauranga, he rerekē ā rātou utu. Ko tāu mahi i tēnei ngohe aromatawai, he whakatairite i ngā utu o ēnei umanga e toru.

Hei mahi

E toru ngā umanga tēkehi i te tāone nui o Tauranga, he rerekē ngā utu:

Te Umanga Tēkehi o Te Whanga,

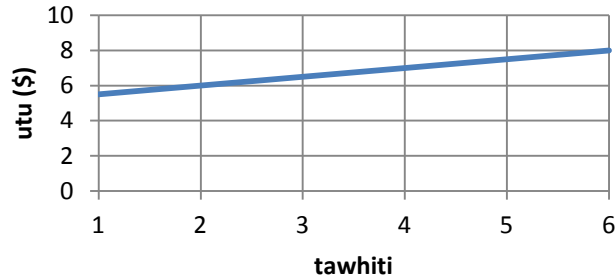Te Umanga Tēkehi o Te Tahuna,

Te Umanga Tēkehi o Te Maunga.

E tāpiri nei te whārangi e whakaatu ana i ngā utu o ēnei umanga e toru, me ngā tawhiti, mai i te papa waka rererangi o Tauranga ki ētahi wāhi i te tāone.

1 Whakaaturia ngā utu o ngā umanga e toru ki te momo whakaaturanga kotahi, pērā i te whārite (kia kotahi te whārite mā ia umanga), te kauwhata rānei. Kia ōrite ngā taurangi me ngā āwhata o ia whakaaturanga.

2 Whiriwhiria te umanga he iti rawa te utu mō te haere ki ētahi o ngā wāhi e rua o te tāone.

3 Whiriwhiria ngā tawhiti o ngā haerenga, ko te Umanga Tēkehi o Te Tahuna te umanga he iti rawa te utu.

4 E hiahia ana ngā kaiwhakahaere o te Umanga Tēkehi o Te Whanga kia riro ko rātou te umanga he iti rawa te utu, ahakoa te tawhiti o te haere. Me pēhea te huri i ngā utu a tēnei umanga, e tutuki ai tēnei hiahia o rātou. Whiriwhiria ētahi tauira o ngā huringa utu.

5 Whakaaturia ō whiriwhiringa katoa, me ngā whakamārama i te taha.
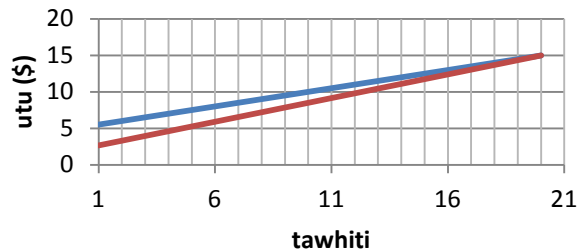
Taunakitanga: Pāngarau 91029 (ā-roto) 1.4B Te Utu Tēkehi

Taunakitanga – mō te Paetae	Taunakitanga – mō te Kaiaka	Taunakitanga – mō te Kairangi
E tutuki ai te taumata o te paetae, ka whakamahi tikanga taurangi rārangi te ākonga hei whakaoti i ētahi wāhanga o tēnei rapanga. Arā:	E tutuki ai te taumata o te kaiaka, ka whakamahi tikanga taurangi rārangi te ākonga hei whakaoti i tēnei ngohe, me te whai wāhi mai o te whakaaro tūhonohono. Arā:	E tutuki ai te taumata o te kairangi, ka whakamahi tikanga taurangi rārangi te ākonga hei whakaoti i tēnei ngohe, me te whai wāhi mai o te whakaaro waitara whānui. Arā:
• te whiriwhiri me te whakamahi i ētahi tikanga whānui hei whakaoti rapanga; • te whakaatu mōhiotanga ki ngā huatau taurangi, me ngā kupu e hāngai ana; te whakamārama i ngā otinga mēnā kotahi e rua rānei ngā mahi o roto i te tikanga i whakamahia.	• te whiriwhiri me te whakatutuki i te raupapatanga mahi arorau e hāngai ana; • te tūhono i ētahi huatau rerekē, i ētahi whakaahuahanga rerekē rānei; • te whakaatu māramatanga ki ngā huatau e hāngai ana; • te hanga me te whakamahi tauira;	• te waihanga rautaki hei tūhura, hei whakaoti rānei i tēnei ngohe • te tautohu i ngā huatau e hāngai ana ki te horopaki; • te whakaputa i tētahi raupapatanga whakaaro arorau, i tētahi hāponotanga rānei; • te hanga whakawhānuitanga;
Kia toru nui ake rānei ngā tikanga taurangi rārangi hei whakaatu mā te ākonga, pērā i te tūtohi, te whārite, te whārite tukutahi, me te kauwhata rārangi. Hei tauira:	me te tūhono i ngā otinga ki te horopaki, te whakamahi rānei i ngā kīanga pāngarau e hāngai ana hei whakawhitiwhiti whakaaro.	me te whakamahi kīanga pāngarau tika, te whakawhitiwhiti rānei i te aroā pāngarau.
Te whakauru uara ki te whārite Te utu o Te Whanga ki te pokapū o te tāone = 0.5 x 17 + 5 = $13.50	**Hei tauira:** Ka whakaoti i ngā whārite tukutahi e hāngai ana ki Te Whanga me Te Tahuna me te whakamahi anō i te otinga hei whiriwhiri i ngā utu māmā mō ētahi tawhiti rerekē. Mā konei e kitea ai te mārama o te ākonga ki ngā huatau me tana āhei ki te whakamārama i te raupaptanga mahi arorau.	**Hei tauira o te whakaputa raupapatanga whakaaro arorau, me te whakawhitiwhiti i te aroā pāngarau:** Ki tua ake i te 40km, ka rahi ake ngā utu o Te Whanga i ngā utu o Te Maunga (0.5 x 41 + 5 = 25.50). Nō reira ki tua ake i te 40km me huri ngā utu o Te Whanga ki te utu pūmau noa iho, ki raro hoki i te $25 (kia māmā ake i ngā utu o Te Maunga). Hei tauira, ko te $24 mō ngā haerenga ki tua atu i te 40km.
Te tuhi whārite Te Whanga: $U = 0.5t + 5$ (U = utu, t = tawhiti)		
Te tuhi kauwhata Te kauwhata o Te Whanga:	Ina whakaotia ngā whārite tukutahi U = 0.5t + 5 me te U = 0.65t + 2, ka hua ko te 20km te tawhiti he ōrite te utu a ēnei umanga e rua. He iti ake te utu pūmau o Te Tahuna,	Mō ngā haerenga ki raro iho i te 20km, me huri ngā utu o Te Whanga kia māmā ake i ngā utu o Te Tahuna. He nui ake ngā utu o

Te Umanga Tēkehi o Te Whanga

Te whakaoti whārite tukutahi, tōrite, kauwhata rānei

Te Whanga me Te Tāhuna

He ōrite te utu o Te Whanga me Te Tahuna mēnā e 20km te tawhiti o te haere.

engari he poupou ake te rōnaki o te kauwhata, nō reira he māmā ake ō rātou utu mō ngā tawhiti ki raro iho i te 20km. Mēnā he tawhiti ake i te 20km he māmā ake te utu o Te Whanga (tae ake ki ngā haerenga e $25 nui ake rānei te utu, nā te mea ki konā, he māmā ake ngā utu o Te Maunga.

Hei tauira, mō te haerenga ki te wāpu mai i te papa taunga wakarererangi:

Te Whanga = 0.5 x 24 + 5 = $17

Te Tahuna = 0.65 x 24 + 2 = $17.60

Te Maunga = $25

He māmā ake te utu o Te Whanga.

Te Whanga nā te rahi o tō rātou utu pūmau (e $5), ahakoa he iti ake te utu ā-manomita. Mēnā ka huri ngā utu, kia iti ake te utu pūmau, ā, kia ōrite te utu ā-manomita, kātahi ka māmā ake ngā utu o Te Whanga. Hei tauira, kia huri ngā utu o Te Whanga ki:

U = 0.65t + 1.5

Arā ka riro ko te $1.50 te utu pūmau, ā, he ōrite te utu ā-manomita ki tō Te Tahuna.