



# Te Kete Rauemi o Māui: Mā te Kaiako

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## He kupu whakataki

He mea waihanga te kete rauemi o Māui mā ngā ākonga kei ngā tau 9 me te 10 i te kura. Heoi, e pai ana hoki ēnei rauemi hei kōwae ako tuatahi e pā ana ki te mātai ahumoni mā ngā ākonga kei ngā tau 7 me te 8 i te kura, tae noa atu ki ngā ākonga kei ngā tau pakeke o te kura.

Kua noho te tirohanga Māori hei tūāpapa mō ngā rauemi nei, ka mutu, kua tukuna te horopaki o Māui e whakapōturi ana i te rā, me ētahi anō pūrākau, hei kākahu mō ngā ariā ahumoni.

I te tau 2024, i whakahoutia atu ngā rauemi hei tautoko i te whanaketanga o ngā pūkenga reo matatini me te pāngarau, hei whakawhānui hoki i tōna whakamahinga, puta noa i te marautanga.

## Te kete rauemi o Māui

He nui ngā huarahi e wātea ana ki a koe i tēnei kete rauemi, ka mutu, e ono katoa ngā kaupapa.

Ka taea e koe:

- te kōwhiri tētahi, ētahi rauemi rānei hei wāhanga mō tētahi hōtaka marautanga
- te whakamahi te katoa o te kete rauemi hei punipuni kōrero e whakataki ana, e tūhura ana i te oranga ahumoni.

Ka tūhura tēnā kaupapa, me tēnā kaupapa i ētahi ariā matua me ētahi ariā ahumoni. Ka taea te whakahāngai ngā putanga ako o ngā puka ki ngā putanga whāiti o tō marau ā-kura, te tautoko rānei ngā putanga i ō hōtaka pāngarau, tikanga ā-iwi, hauora, reo matatini rānei.

Kei te tūtohi i raro iho nei te whānuitanga o ngā rauemi ako e wātea ana i tēnā kaupapa, i tēnā kaupapa.

Te kaupapa	Te puka	Ngā ariā matua	Te momo rauemi			
			He puka	.ppt	He pārongo whakairoiro	He ataata
Tukua a Whakaaro kia Rere	Māui Haututū Tō Tuakiri, tō Oranga, tō Mātau	<ul style="list-style-type: none"> <li>Te āheinga ahumoni.</li> <li>Te whai rawa hei wāhanga mō te oranga.</li> <li>Te Whare Tapa Whā.</li> </ul>	✓	✓		✓
Whakaohongia Tō Pitomata	Māui Auaha Te Whakamahere i Taku Ao Ahumoni mō Āpōpō	<ul style="list-style-type: none"> <li>Ngā kōwhiringa whare.</li> <li>Ngā hiahia me ngā matea.</li> <li>Ngā papa moemoeā.</li> </ul>	✓	✓		✓
Tāraitia Tō Anamata	Māui Rautaki Te Whakatakoto Whāinga me te Whakamahere	<ul style="list-style-type: none"> <li>Te mārama ki te Eftpos, ki te moni tango me te moni taurewa.</li> <li>Te whakahaere i tētahi pūtea pēke.</li> <li>Te rakahinonga.</li> <li>Te whakarite whāinga SMART.</li> </ul>	✓	✓		✓
Hopukia Tō Anamata	Māui Ātea Te Haumitanga	<ul style="list-style-type: none"> <li>Ka tautoko te whakatipu moni i a tātou ki te whakatutuki i ngā whāinga.</li> <li>Te rerekētanga o te pūtea penapena i te haumi.</li> <li>Ngā momo haumitanga.</li> <li>Te huamoni whakaputu.</li> <li>Te pānga o te haumitanga ki te tūraru.</li> <li>Te whakakanorau i ngā rawa.</li> </ul>	✓	✓	✓	✓
Kia Pārekareka Tō Anamata	Māui Ihumanea Te Whakatānga me te KiwiSaver	<ul style="list-style-type: none"> <li>Te KiwiSaver.</li> <li>Te penihana.</li> <li>Te whakamahere mō te whakatānga.</li> </ul>	✓	✓	✓	✓

Te Whakahaumaru i tō Anamata	Māui Mataara Te Inihua	<ul style="list-style-type: none"> <li>Te hiranga o te inihua mō ngā āhuatanga whawhati tata me ngā tūraru.</li> <li>Ngā momo inihua.</li> </ul>	✓	✓	✓	✓
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## Te whakamahi i te kete rauemi o Māui

Kei tēnā kaupapa, kei tēnā kaupapa tētahi puka ākonga hei whakaoti tautauāmoa mā ngā ākonga, hei whakaoti rānei mā te karaehe. I ētahi o ngā ngohe, ko te painga atu mēnā ka whakaotihia ā-rōpūtia.

Kei te āhua o tō ara whakaako, heoi, e wātea ana koe ki te kōwhiri i tētahi, i ētahi o ngā ngohe rānei i te puka hei whakaoti mā ngā ākonga. E pai ana hoki kia kōwhiri ngā ākonga i ā rātou ake ngohe. Ahakoa i ōna wā kua whakaratoa ētahi tauira mā ngā ākonga, e pai ana kia rerekē te āhua o te whakaoti a ngā tauira i ngā mahi.

Mēnā e tauhou ana koutou ko ō ākonga ki te mātai ahumoni, me fīmata tēnā kōwae, me tēnā kōwae ki ngā ngohe reo e tuku ana i te puna kupu me mōhio rawa te ākonga e mārāma ai, e matapaki ai hoki ia i te kaupapa. Mā te whakaako i te puna kupu i te fīmatanga o te kōwae te ākonga e tautoko ai ki te whai wāhi atu ki ngā mahi ako. Kei te fīmatanga o ētahi puka ākonga ētahi ngohe e pā ana ki ngā kupu hou. Mā te tuku i ētahi anō ngohe ka whakaūngia ngā kupu hou e hiahia ana. Me hāngai tonu te aro ki te whakaako i ngā kupu pāngarau e hāngai ana, hei āpitinga atu ki te reo o te mātai ahumoni.

Me fīmata tēnā kōwae, me tēnā kōwae ki tētahi matapakinga o te kaupapa e tuku ai ngā ākonga i ō rātou mōhiotanga kē ki te kaupapa. Tīkina ake tētahi kape o te *Discussion Starters for Financial Sustainability* mai i te paetukutuku o Te Whai Hua – Kia Ora! e kitea ai ētahi kaupapa matapaki: <https://sortedinschools.org.nz/resources/financial-sustainability/>

Ka whakaoti ana ngā ākonga i ngā kōwae, whakamahia ngā taputapu pāngarau hei fīrewa, hei whakaū hoki i te ako i ngā ariā ahumoni. Ko tā ngā rauemi ōkiko e taea ana e ngā ākonga te raweke, he tautoko i ngā ākonga ki te whakaaro ki ngā ariā e tūhura ai rātou i te pānga o te oranga ahumoni ki ō rātou oranga i tēnei wā, ā haere ake nei.

## Te tautoko i te reo matatini me te pāngarau

Ko te ako i te oranga ahumoni tētahi āheinga hei whakapakari i ngā pūkenga e noho nei hei tūāpapa mō te reo matatini me te pāngarau ka whakamātauria mā ngā paerewa tautokorua o NCEA, arā, mā Te Reo Matatini me te Pāngarau.

Ka tuku ngā ngohe pāngarau kei roto i ngā rauemi i ngā āheinga ki ngā ākonga ki te whakapakari i ō rātou pūkenga me ō rātou mōhiotanga ki te tauanga me te tūponotanga, ki te tau, ki te ine, me te taurangi. Ka tautoko ēnei ngohe i te ako i roto i tētahi hōtaka pāngarau whānui.

E whai wāhi ana ki te nuinga o ngā puka ākonga ētahi ngohe e aro ana ki ngā rautaki reo matatini matua, pēnei i te tautohu i ngā ariā matua, i te hīkaro, i te whakarāpopoto, me te whakapuaki anō. He pūkenga ēnei me whai wāhi atu te ākonga, puta noa i te marautanga.

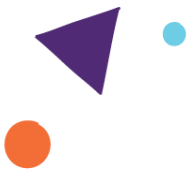
Ka tautoko hoki te whakamahi horipū i ngā rautaki reo ā-waha i ngā ākonga ki te whakawhanake i ō rātou kaha ki te tuku i te kōrero kia māori, kia whai take hoki. E pai ana kia whakamahia ēnei rautaki e whai ake nei hei whakaū i ngā kaupapa katoa kei ngā puka ākonga.

## Kōrerotia!

1. Whakaritea tētahi tukutuku 3 x 3 – tapaina ngā fīwae ki te A, E, I me ngā kapa ki te 1, 2, 3.
2. Whāngaihia he kōrero ki tēnā pouaka, ki tēnā pouaka o te tukutuku (hei tauira, tētahi horopaki, tētahi pātai tuwhera rānei e pā ana ki te kaupapa).
3. Whakaritea kia 4 – 6 ngā ākonga ki tēnā rōpū, ki tēnā rōpū, ka kōwhiri ai i tētahi ākonga hei wāhi i ngā kōrero. Whakaritea tētahi tepenga wā (hei tauira, te 45 hēkona).
4. Karangahia atu tētahi pouaka (hei tauira, te E2).
5. Tukua te 30 hēkona ki a Ākonga 1 ki te pānui i te kōrero kei E2, ki te whakaaro hoki ki āna kōrero.
6. Ā muri i te 30 hēkona, karangahia te “Tīmata”. Ka fīmata a Ākonga 1 ki te kōrero mō te 45 hēkona.
7. Ā muri i te 45 hēkona, karangahia te “Kāti”. Ka mutu te kōrero a Ākonga 1.
8. Karangahia atu he pouaka hou ki te kaikōrero tuarua o ngā rōpū.
9. Kia rere tonu te ngohe kia kōrero ngā ākonga katoa e pā ana ki tētahi kaupapa.

### Hei tauira:

	A	E	I
1	Kua pātai atu tō hoa ki a koe, “Me penapena, me haumi rānei au i aku moni?” He aha tō whakautu? He aha i pēnā ai ō whakaaro?	He aha ngā whāinga o te haumitanga?	He aha tēnei mea te tūraru? He aha tōna pānga ki te haumitanga?
2	Kōrerotia mai ngā āhuatanga o ētahi momo haumitanga.	Kōrerotia mai ngā hua o te huamoni whakaputu.	Kōrerotia mai ngā aronga o te haumi i ngā wā o mua.
3	He aha pea ētahi tauira o te tūraru me te pānga ki te haumitanga?	Kua waimarie koe i te Lotto. Ko te nui o te waimarie, ko te \$100,000. E hia pea te nui o te moni ka haumitia, e hia ka penapenahia, e hia anō ka whakapaua? He aha ai?	Kōrerotia mai tētahi o ngā haumitanga a ō tūpuna me ngā hua kua puta.



### 4/3/2

Whakamahia tēnei rautaki hei whakapiki i te matatau o te reo. Kōwhiria tētahi kaupapa oranga ahumoni ka taea e ngā ākonga te kōrero mō te 3 – 4 meneti.

I ngā rōpū iti, ka toru ngā tukunga a ngā ākonga i te kōrero kotahi:

- Te tuatahi, kia 4 meneti.
- Te tuarua, kia 3 meneti.
- Te tuatoru, kia 2 meneti.

Me paku whakamatua i waenga i tēnā tukunga, i tēnā tukunga.

Mēnā e roa rawa ana tēnei, whakamātauria te 3/2/1.

### He anga kōrero

Me matapaki tahi me ngā ākonga ētahi kōrero pea ka tukuna mēnā e kōrero ana rātou mō te kaupapa oranga ahumoni e ākona ana.

Tuhia ētahi anga kōrero e whakatauiria ana i ētahi huarahi e tika ai te tuku a ngā ākonga i ēnei whakaaro. Waiho ngā taipitopito hei whakaurunga ā-waha mā ngā ākonga.

#### Hei tauira:

Ko te inihua, ko te ...

Ka kōrero ana tātou mō te inihua, ko te ...

Ko ngā momo inihua e whānui ana te hokona, ko te ...

Ko te rerekētanga o te ... me te ... ko te ...

He hiranga tō te inihua nā te mea ... Hei tauira, ...

Ki ētahi, e ... ana te inihua

Ka whakaae/whakahē au nā te mea ...

Ka hokona ana te inihua, me whakaaro ki ...



## Ngā paerewa tautokorua o Te Reo Matatini me te Pāngarau

E wātea ana ngā paerewa tautokorua NCEA o Te Reo Matatini me te Pāngarau ki ngā ākonga kei te tau 9, ā muri ake rānei. Me puta rawa te ihu o te ākonga i ngā Paerewa e whakawhiwhia ai te tohu o NCEA.

Ka aromatawaitia ā-wahotia ngā paerewa tautokorua katoa. E rua ngā kōwhiringa e wātea ana:

1. He Kete Manarua – he kōpaki ka tiakina e te kaiako me te ākonga; me tāpae rawa ki NZQA i mua i ngā rā kua tohua.
2. Te Tūmahi Aromatawai Pātahi (TAPā/CAA) – he aromatawai ā-matihiko, ā-pepa rānei kua whakaritea e NZQA e herea ana ki te wā; e rua ngā tukunga i te tau.

Ka kotahi anake te whakawhiwhinga o te ākonga ki ngā whiwhinga reo matatini me te pāngarau; kāore he paearu reo matatini, pāngarau anō rānei i ngā taumata katoa o te NCEA. Kāore ngā whiwhinga o ngā tautokorua e whai wāhi atu ki ngā whiwhinga e 60 e hiahia ana mā te Taumata 1, 2, me te 3 o te NCEA.





## US 32412 | Te whakamahi pāngarau hei whakaoti rapanga o te ao o te ākonga

10 ngā whiwhinga

### Me taea e ngā ākonga:

1. *te whakaoti rapanga e kawea ai he paheko tau*
  - te whiriwhiri i te aronga tātaitai tika (ahakoa ā-tuhi mai, ā-hinengaro mai, ā-matihiko mai rānei)
  - te whakamahi i ngā tau oti tae noa ki ngā piriona, i ngā hautau, i ngā tau ā-ira tae noa ki ngā mati e toru, i ngā ōrau me ngā tau tōpū
  - te whakaoti i ngā rapanga e mau nei ngā pāpātanga, ngā ōwehenga me ngā pū
  - te whakamahi i te huamoni tūpā
  - te tātai i ngā toharite (tae noa ki te tau tānui, ki te tau waenga anō hoki).
2. *te mōhio ki ngā pānga o te pāngarau*
  - te whakamahi i ngā pānga rārangi e whakaahuahia ana hei kauwhata, hei ture ā-kupu rānei
  - te tātai i ngā uara kāore e mōhiotia ana mō tētahi pānga.
3. *te mārama ki ngā āhuatanga o te mokowā me te whakaahuahanga o ngā taonga, me te whakamahi i aua āhuatanga*
  - te mōhio ki te hangarite me te panoni
  - te panoni i ngā taonga hei hanga mō tētahi kaupapa (hei tauira, te whakarahi, te whakaata, te huri, te neke rānei)
  - te tūhonohono i ngā whakaahuahanga taonga ngāwari, ahu-2 nei, ahu-3 nei hoki.
4. *te mārama ki, me te whakamahi i ngā pūnaha hei whakarite i ngā tūwāhi me te tātai i ngā ara haere*
  - te tātai i te ara haere i waenga i ngā tūwāhi
  - te whakaahua i te taunga me te aronga i ngā pūāhua e tāwariwari ana i roto i te pūnaha e whakamahia ana
  - te whakamahi i ngā ahunga o tētahi kāpehu ahu-8.
5. *te whakamahi i ngā tau me ngā waeine hei ine, hei whakaahua i ngā taonga me ngā pāpono hei rahinga, me te whakaawhiwhitanga tika mō te horopaki*
  - te whakamahi me te whakamāori i ngā putanga o te ine (tae atu ki ngā wātaka me ngā kauwhata wā)
  - te whiriwhiri i ngā waeine tika me te whakawhiwhiti i waenga i ngā waeine ngahuru mō te āhuatanga kotahi
  - te whakaoti i ngā rapanga ine i ngā horopaki whai take (te paenga, te rōrahi, te horahanga, te papatipu, te wā me te paemahana).
6. *Te mārama me te whakaaro ki te tauanga me ngā raraunga*
  - te whakamahi i ngā whakaari raraunga hei tūhura i ngā pātai, i ngā tāpaetanga hoki mō ngā pūāhua whakarāpopoto, ngā pūāhua whakariterite me ngā pūāhua houanga
  - te whakamāori i ngā whakaari raraunga mā te whakamahi i te hora, i te rāpoipoi, i te auautanga, i te wēanga me ngā mōwaho
  - te arotake i ngā tāpaetanga kōrero me ngā whakaahuahanga a tangata kē i runga i te āhua o ngā raraunga i kitea.



7. *te whakamahi i te tūponotanga hei whakamāori i ngā pūāhua e mau mai ana he āhuatanga tūponopono*
  - te mōhio ki ngā āhuatanga tūponopono o ia rā, pēnei i ngā tūraru me ngā tūwehe
  - te whakamahi i te reo o te tūponotanga hei whakaahua i ngā putanga.

### **US 32413 | Ka mārama, ka tautohu i ngā whakaaro matua o tētahi reo ā-waha, o tētahi reo ā-tā hoki**

*E 5 ngā whiwhinga*

#### **Me taea e ngā ākonga:**

1. *te tautohu ngā whakaaro matua o te kōrero*
  - te pānui me te whakarongo kia mau te ia
  - te whakapuaki anō
  - te whakarāpopoto
  - ngā tiwhiri horopaki me te hīkaro.
2. *te tautohu ngā pārongo matua*
  - ngā meka matua
  - ngā kōrero haumarū
  - ngā tiwhiri ataata
  - ngā pārongo matua.
3. *te tautohu ngā pārongo hauarea me ngā kōrero horihori*
  - ngā haukume me ngā arotoka
  - ngā kōrero taupatupatu, ngā kōrero nenekara, ngā kōrero e ngaro ana rānei
  - ngā whakatau e whānui rawa ana.



## US 32415 | Ka whakamahi i te reo kia tutuki ai tētahi pūtakenga whakawhiti kōrero, tuhituhi hoki

E 5 ngā whiwhinga

### Me taea e ngā ākonga:

1. *te kōwhiri ngā rautaki matua e tutuki ai te pūtakenga whakawhiti kōrero, tuhituhi hoki*
  - te whakapuaki anō, te whakamārama anō, te toai kōrero
  - te kōrero āwhio
  - te aroturuki me te whakatika whaiaro
  - te whakamahuki.
2. *te kōrero me te tuhi kia mārama*
  - te miramira i ngā whakaaro matua
  - te whakamahi i ngā nuka tuhi, hei tauira, ngā tongi matā, ngā upoko iti, ngā ata
  - te whakamahi i ngā nuka tūhonohono e pai ake ai te rere o ngā kōrero
  - te kōrero kia māori ai te rere.
3. *te whakamahi i te reo e hāngai ana ki te horopaki me te hunga whakarongo*
  - te reo peha me te reo more
  - ngā kīanga
  - ngā tuone me te reo ā-tinana
  - te hauoro, te kaha oro, te mīta
  - te puna kupu.
4. *te kōrero me te tuhi kia tika*
  - ngā āhuatanga reo
  - ngā kupu kaupapa
  - ngā wetereo matua me ngā rerenga kōrero oti
  - te tātaki kupu, ngā kārawarawa, ngā kōwae.



## He kuputaka

<b>A</b>	āheitanga ahumoni	financial capability
	ahumoni	finance
	ahumoni herekore	financial freedom
	aronga hinengaro	mindset
	āwhata	scale
<b>H</b>	hāpono	proof
	haumi (-tanga)	invest (-ment)
	haurapa (-tanga)	due diligence
	hea	share
	heketea	hectare
	herekore	freedom
	herenga ahumoni	financial commitment
	hinonga	project, enterprise
	hiranga	important
	hoahoa	design
	hoahoa rākau	tree diagram
	horahanga	area
	houkura	intact
	huamoni	interest
	huamoni whakaputu	compound interest
	huritao	reflect
<b>I</b>	ia	trend
	inihua	insurance
<b>K</b>	kaimino	borrower
	kaiwhakarato pūtea	investor
	karioi	long-term, long-lasting
	kauwhata pouhere	histogram
	kauwhata rārangi	line graph
	kerēme	a claim
	kirimana	contract
	kuhunga tūmau	term deposit
<b>M</b>	mātau ahumoni	financial capability
	matenui	best, prized
	mōkete	mortgage
	moni tango	debit
	moni taurewa	credit
	monihere (moni here)	bonds

	moniwhiwhi more	net income
	moniwhiwhi peke	gross income
N	nama	debt, bill
O	ōhanga	economic
	ohaoha	economy/economics
	ōwehenga	ratio
P	paetae	achievement
	pakihi	business
	papa moemoeā	vision board
	pāpono wehe kē	independent event
	pāpono whakawhirinaki	dependent event
	penapena	save
	penihana	pension/superannuation
	pikinga utu	inflation
	pūnaha	system
	putanga	outcome
	pūtea whakatipu	growth fund
R	rakihinonga	entrepreneurship
	rārangi arowhai	checklist
	raraunga	data
	rautaki	strategy
	rawa	asset, property, goods, belongings
	rēti	rates
	ripanga	spreadsheet
T	rītaia	retire
	tāhiko	electronic
	tahua	sum of money, a fund
	tāke	tax
	tāmitanga ahumoni	inflation
	tau tuakiri	PIN
	tauhokohoko	trading, trade, commerce
	taunaha	liability
	taurahi	scale factor for enlargement
	taurangi	variable
	taurewa	loan, credit
	tāwara	flavour
	tiringa	fee
	tiritiringa rawa	asset allocation

	tōmina	aspiration
	tono moni	borrow money
	tōnui	productivity
	torowhārahi	holistic
	tūponotanga	probability, chance
	tūraru	risk
	tūtohi	chart, table (of data)
U	uhupoho	perfectionist
	utu āpiti	insurance excess
	utu harangote	payment instalment
	utuhoko inihua	insurance premium
W	waiaro	attitude
	whairawa (-tanga)	wealth
	whakahaere ahumoni	financial management
	whakakanorau	diversification
	whakakapi	cover
	whakamahere	planning
	whakaputu moni	deposit money
	whakarahi	enlarge, enlargement
	whakatā (-nga)	retire, retirement
	whakawhānuitanga pūtea	expansion capital
	whakawhenumi	mix
	whārite	equation
	whawhati tata	unexpected

## Ngā whakautu

Kei tēnā puka ākonga, kei tēnā puka ākonga ōna ngohe, ā, ko te nuinga e whai ana kia whāngai i te kōrero me te tūhuratanga o te kaupapa. Kāore pea ōna whakautu e tika, e hē rānei, ā, ka rerekē pea ngā whakautu nā te horopaki. Ki te pēnei, ko te whāinga matua, ko te āhei a ngā ākonga ki te whakamārama i ō rātou whakaaro, i tō rātou mārama hoki ki te kaupapa.

Kei ngā whārangi e whai ake nei ngā whakautu ki ngā ngohe e pūmau ana ngā whakautu.

He ngohe aromatawai hoki kei ētahi o ngā puka ākonga. E pai ana hoki kia whakamahia ēnei hei ngohe whakawhanake.

## Māui Auaha: Te whakamahere i taku ao ahumoni mō āpōpō

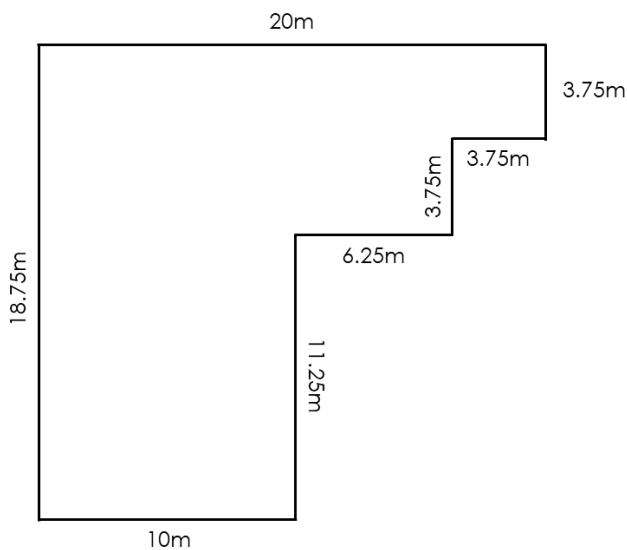
### Whārangi 6 | Te kimi kupu taurite, kupu āhua rite rānei

Te kupu	Te kupu taurite, āhua rite	Te whakamahinga
ao mārama	ao kikokiko	I te ao kikokiko nei...
āheinga	pūmanawa	E hāngai ana ēnei pūmanawa o Māui...
angitu	waimarie	ko ētahi ka waimarie i te tukuna iho...
rōpū, pāpori	haporī	ko te noho a tētahi hapori...   kei te hapori nei te mana...
huanui	ara, huarahi	...te kimi i ētahi anō ara... Arā kē noa atu ngā huarahi...
pūmau	toitū	... te māmā ake o te utu me te toitū o te noho.
pūtea	ahumoni	tō whakamahere i tō ao ahumoni. ...o te noho herekore i te ao ahumoni.
rīhi	rēti	...ko te utu i te rēti, ko te hoko, ko te hanga rānei...
tīpakonga	kōwhiringa	ētahi o ngā kōwhiringa nui katoa. ...tētahi papakāinga ētahi o ngā kōwhiringa.
tawhito	nehe	...ki ngā āhuatanga o te ao o nehe.
tere	wawe	...e wawe ake ai tō noho herekore...
wātea	herekore	...i noho herekore ai te tangata ki te wā. ...o te noho herekore i te ao ahumoni. ...mā te noho herekore e māmā ake ai...

### Whārangi 7 | Te whakarite papa kāinga

1.  $\frac{1}{20}$  te hautanga
2. 5%
3.  $\frac{1}{4}$  o te 2.4 = 0.6 heketea
4.  $\frac{1}{5}$  o te 2.4 = 0.48 heketea
5. Mā te ākonga tēnei.

### Whārangi 13 | He ngohe whakawhanake 1



### Whārangi 14 | He ngohe whakawhanake 2

1. Āe, he ōrite te āhua o ngā rūma e rua.  
 Whakareatia ngā tapa o te rūma nui ki te 0.75 kia rite ki ngā tapa o te rūma iti.
2. Rūma nui:  $4 \times 5 = 20\text{m}^2$   
 Rūma iti:  $3 \times 3.75 = 11.25\text{m}^2$
3. 0.75,  $\frac{3}{4}$  rānei.
4.  $20:11.25 = 80:45$

### Whārangi 23 | Ngā taonga a Twilight

1. Nō Hawai'i te koroua o Twilight.
2. Nā tana matua tana waitohu i waihanga.
3. Ko 'Tūkau' te ingoa o tana whakahaere.





## Māui Rautaki: Te whakatakoto whāinga me te whakamahere

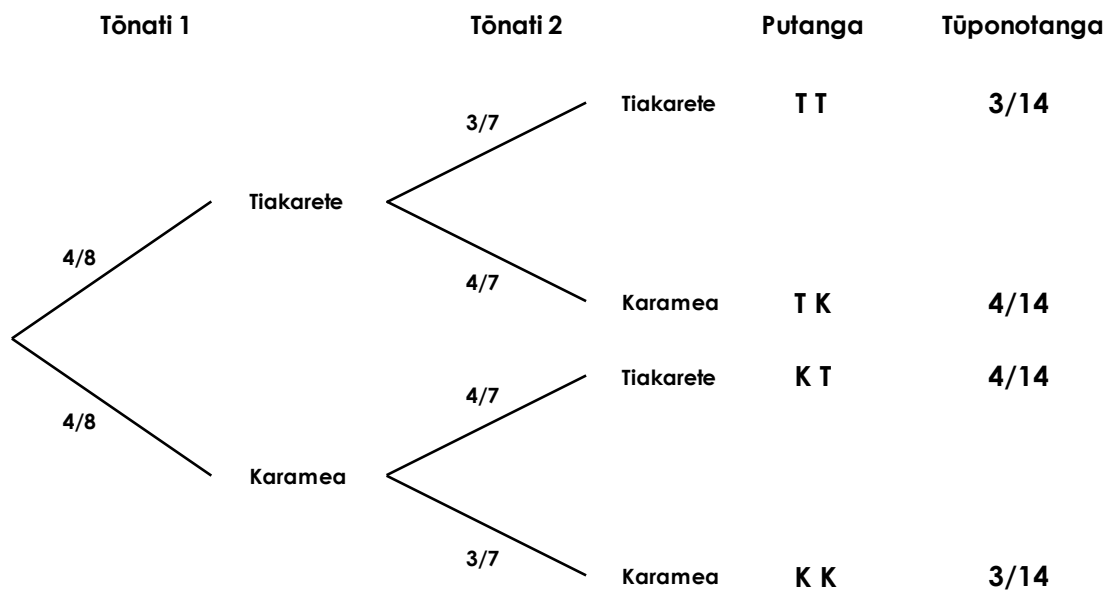
### Whārangi 16 | Te pakihi hou a Māui

1a.  $\frac{1}{2} = 50\%$

1e. He pāpono whakawhirinaki.

1h.  $\frac{4}{7}$  (E 7 katoa ngā tōnati e toe ana. E 4 o ērā he karamēa).

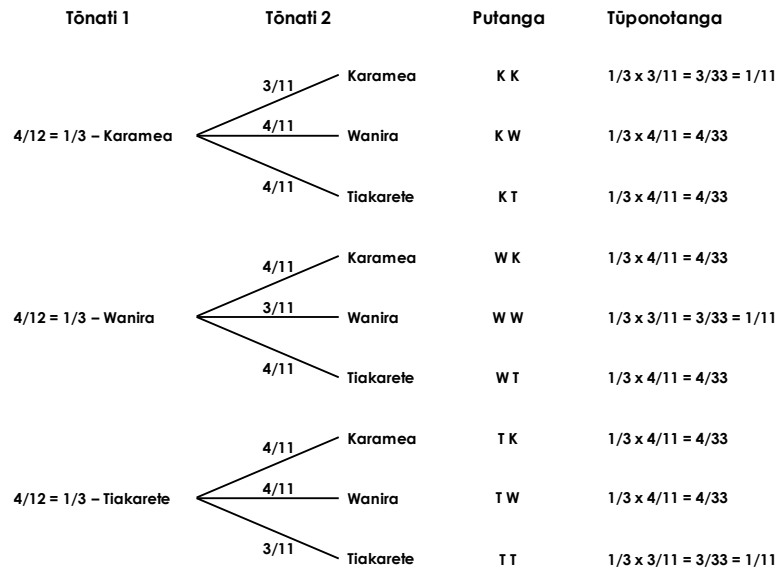
1i. Te hoahoa rākau:



1k. Ngā tūponotanga:

- T (tiakareti, karamēa):  $\frac{3}{14}$
- T (he ōrite ngā tōnati e rua):  $\frac{6}{14}$  ( $\frac{3}{14} + \frac{3}{14}$ )
- T (he rerekē ngā tōnati e rua):  $\frac{8}{14}$  ( $\frac{4}{14} + \frac{4}{14}$ )

2a. Te hoahoa rākau:



2e.  $1/3$

2h.  $3/11$  (11 ngā tōnati e toe ana. E 3 he karamaea)

2i.  $4/11$  (11 ngā tōnati e toe ana. E 4 he wanira)

2k. Ngā tūponotanga:

- T (he ōrite ngā tōnati e rua):  $9/33$  ( $3/33 + 3/33 + 3/33$ ):  $3/11$
- T (he karamaea, he tiakareti):  $8/33$  ( $4/33 + 4/33$ )
- T (he rerekē ngā tōnati e rua):  $24/33$  ( $4/33 + 4/33 + 4/33 + 4/33 + 4/33 + 4/33$ )

3. Kei te ākonga ōna ake whakaaro.

## Māui Ātea: Te Haumitanga

### Whārangi 3 | Hei tīmatanga: He kupu tīrangorango

1. haumi
2. pikinga utu
3. tūraru
4. penapena
5. taunaha
6. huamoni whakaputu
7. tahua
8. tiritiringa rawa
9. whakakanorau
10. monihere

### Whārangi 15 | Ngā pūrākau

Te pūrākau	Te Ika a Māui	Kupe	Hoturoa
<b>Te penapena</b>	He mea penapena ngā karakia e Māui kia tīkina atu anō ā tōna wā.	Ka penapenahia e Kupe ngā kōrero mō te hīnga ake o Te Ika-a-Māui.	Ka penapenahia e Hoturoa ngā kōrero mō te hīnga ake o Te Ika-a-Māui me tā Kupe whai i te wheke a Muturangi.
<b>Te haumi</b>	Ka tīkina e Māui te kauae o tana kuia, i takohatia ai ki a ia i mua.	Ka karangahia e Kupe tōna iwi ki te hanga i tētahi waka tere moana. Ko Matahourua tōna ingoa.	Nā te hungawai o Hoturoa, nā Memeha-o-te-rangi, te tohunga a Rakataura, he pia nō te whare wānanga hanga waka o Rātā, i tono ki te hanga i te waka o Tainui.
<b>Te haumitanga</b>	Ka tohia e Māui te aho hī me te kauae mā te taki karakia.	Ka whāia e Kupe te wheke mōkai a Muturangi i Te Moananui-a-Kiwa	Ka whakaterea Te Moana-nui-a-Kiwa e Hoturoa mā te ara i whakaritea ai e Kupe, mā ngā kōrero tuku iho hoki mō Māui.
<b>Te rautaki o te haumitanga</b>	Ka whakatauhia e Māui kia hunaia ki te waka.	Ka patua te wheke e Kupe i Te Upoko-o-te-Ika-a-Māui.	Ka ū atu a Hoturoa me te waka o Tainui ki Whangaparāoa, ā, ka noho ia ki te whenua ki Kāwhia.
<b>Ngā tūraru</b>	Ina kitea a Māui, ā, ka whakahokia ia ki tātahi, me te aha, ka kore e tutuki i a ia āna whāinga.	Ina hinga a Kupe i te wheke, ka hinga hoki pea tōna iwi.	He waewae kai kapua a Hoturoa me tōna iwi i te āhua o tā rātou whakaterere waka i te moana me tā rātou takahi i ngā whenua kei

			reira ngā āhuatanga taraweti.
<b>Te pikinga utu</b>	Ka haea te ika e ngā tuākana o Māui i tana ngarohanga, nā reira i rerekē ai te hanga o te ika me te hua o āna haumitanga.	Ka pōkai, ka tūhura hoki a Kupe i te whenua, ā, ka tapa i ētahi wāhanga o Te Ika-a-Māui, nā reira i rerekē ai ngā hua o āna haumitanga.	Ka whakatō mārā a Hoturoa rāua ko Whakaotirangi ki Kāwhia me ngā kano i kawea mai ai i Hawaiki, nā reira i pai ake ai ngā hua o ā rāua haumitanga.

## Whārangi 19 | Ngā tāhū haumi

Tāhū 1: Te Penapena

Tāhū 2: Te Haumi

Tāhū 3: Te Haumitanga

Tāhū 4: Te Rautaki o te Haumitanga

Tāhū 5: Ngā Tūraru

Tāhū 6: Te Pikinga Utu

## Whārangi 22 | Ngā haumitanga ā-iwi

### 1. Ngā kupu e ngaro ana

I nui te haumi a ō tātou **tūpuna** ki te whakapapa me te manaakitanga o te **whenua** mā te penapena i ngā mātauranga Māori me **te** whai rautaki e tika ana kia whai **hua** ai aua haumitanga. Ka whakahaerehia ngā hea **nā** runga i tā ngā rangatira o te **iwi** ārahi, me ngā tukanga whakatau take.

I hāngai te mana o te **rangatira** me ōna tāngata ki tana mōhio ki te **penapena**, ki te haumi, ki te whakaputa, ki te whakahaere **hoki** i ngā rawa i whai pānga ki **te** whakapapa me te whenua. Ko te **ora**, te hauora me te tupu ētahi āhuatanga i **kīia** rā he hua nui. Mēnā i tika te **whakahaerehia** o te whenua me te whakapapa, ka **tika** hoki te ora o te tangata.

He ōhanga ō ngā hapū me ngā **iwi** Māori i mua i te nōhia o te **whenua** e Taiuiwi me te hainatanga o Te Tiriti o Waitangi. Ko te **rahinga** o ngā hua i pahawa i **ngā** mahi ahuhenua; i te mahinga Waitai **me** te mahinga wai māori; i te aru me te **kohi** kai; i te whakairo me ngā **mahi** o te whare pora; i te **hanga** i ngā rākau a Tū, i ngā taputapu hanga **hoki**. Ehara te moni i te aronga o ngā haumitanga nei. Engari kē **ka** te mana, te aroha, te kotahitanga, **te** manaaki, te tiaki, te penapena kai **mō** te hōtoke, me te aha atu.

## Whārangi 32 | Kua whai mahi a Māui

Haora mahi	1	2	3	4	5	7	9	12
Utu (\$) moniwhiwhi peke	\$23.20	\$46.40	\$69.60	\$92.80	\$116.00	\$162.40	\$208.80	\$278.40
Utu (\$) moniwhiwhi more	\$20.90	\$41.80	\$62.70	\$83.60	\$104.50	\$146.30	\$188.10	\$250.80

1. Ko te haora mahi, ko te utu moniwhiwhi peke, ko te utu moniwhiwhi more.
2. He rārangi tōtika te kauwhata nā te mea ka noho pūmau ngā utu.
3.  $\$23.20 \times 15$   
 $\$20.90 \times 15$
4. Kei te takiwā o te 175 ngā haora mahi.
5. Mā te ākonga ēnei whakaaro.
6. Mā te whakamahi i te ripanga rorohiko e puta ai ngā kauwhata rārangi.



## Māui Ihumanea: Te Whakatānga me te KiwiSaver

### Whārangi 20 | He tūtohu whakamahere mō te whakatānga

1.  $2548 \times \$50 = \$127,400$
2.  $2028 \times \$50 = \$101,400$
3.  $988 \times \$50 = \$49,400$

### Whārangi 22 | He mahere tatauranga mō te whakatānga

A = \$26,000

B = \$156,000

C = \$247,000

Y = \$429,000

### Whārangi 23 | He ngohe whakawhanake 1

Mēnā e tika ana ngā whārite a ngā ākonga, ka puta te whakaaro kāore pea e taea e Hariata te utu tana mōkete mēnā ka rītaia ia ā te 65 te pakeke.



## Māui Mataara: Te Inihua

### Whārangi 4 | Hei tīmatanga

<b>inihua</b>	He whakaritenga hei whakamāmā i ngā whakararu ahumoni tērā ka hua ake i tētahi aituā.
<b>kerēme</b>	He tono nā te kaupupuri inihua ki te kamupene inihua kia kapi te utu i hua mai i te pānga o tētahi tūraru.
<b>mōkete</b>	He moni taurewa hei hoko whenua, hei hoko whare rānei.
<b>whakakapi</b>	Te nui o te taunaha, te ngaronga rānei e kapi ana i te kaupapa inihua.
<b>hiranga</b>	E tino whai take ana, e tino whai tikanga ana.
<b>waiaro</b>	Te āhua o ngā whakaaro me ngā kare ā-roto o te tangata ki tētahi mea.
<b>utuhoko inihua</b>	Te nui o te utu ā-tau, ā-wiki, ā-marama rānei ki te kamupene inihua.
<b>tūraru</b>	Te tūpono pānga mai o tētahi āhuatanga kino.
<b>utu āpiti</b>	Te wāhanga o te kerēme mā te kaikerēme tonu e utu.
<b>rawa</b>	Tētahi mea he painga ōna mō te tangata.

### Whārangi 12 | Te utu i te inihua

1. Ka kapi i te inihua ngā nama kāore pea e kapi i te moni penapena.
2. Ka whakapae te kamupene i te nui o ngā kerēme ka ara ake i ia tau. I ia tau hoki, ka kahi utuhoko inihua i ngā tāngata katoa e whai inihua ana. Engari he iti noa iho te tokomaha o ngā kaikerēme i ia tau.

## Whārangi 17 | Te inihua o te marae

Ehara i te mea ko ō tātou iwi anake tērā	→	ka pēhia e te utu o te inihua.
Hei āpiti atu ki tēnei, he uaua hoki te whakataui i te wāriu o ngā momo whakaniko o te marae,	→	pēnei i ngā whakairo, i ngā tukutuku, i ngā whāriki, me ngā korowai.
Hei whakatauiira ake i ngā kōrero o runga nei,	→	ko tētahi o ngā marae i taka ki te raru, ko Tapu Te Ranga i Te Whanganui-a-Tara.
Ko te nuinga o ngā utu o te marae ka utua e ngā koha,	→	ā, nā te nui o te utu o te inihua ka māharahara ngā rōpū whakahaere ki tēnei utu i ia tau, i ia tau.
I tahuna katoatia ngā whakairo me ngā taonga o te marae,	→	ā, kāore te marae nei i hoko inihua nā te nui rawa o te utu.

## Whārangi 18 | Te whakaraupapa i ngā rerenga

1. Ehara i te mea ko ō tātou iwi anake tērā ka pēhia e te utu o te inihua.

*Ko ō tātou marae anō tērā.*

2. Ko te nuinga o ngā utu o te marae ka utua e ngā koha, ā, nā te nui o te utu o te inihua ka māharahara ngā rōpū whakahaere ki tēnei utu i ia tau, i ia tau.
3. Hei āpiti atu ki tēnei, he uaua hoki te whakataui i te wāriu o ngā momo whakaniko o te marae, pēnei i ngā whakairo, i ngā tukutuku, i ngā whāriki, me ngā korowai.
4. Hei whakatauiira ake i ngā kōrero o runga nei, ko tētahi o ngā marae i taka ki te raru, ko Tapu Te Ranga i Te Whanganui-a-Tara.

*I tahuna tēnei marae ki te ahi i te tau 2019.*

5. I tahuna katoatia ngā whakairo me ngā taonga o te marae, ā, kāore te marae nei i hoko inihua nā te nui rawa o te utu.