

HE UIUI AROMATAWAI TŌMUA I TE PĀNGARAU: HE WHĀRANGI TUHI I NGĀ KŌRERO ME NGĀ MAHI A TE ĀKONGA

Te Ākonga:	Tōna Akomanga:	Tōna Rā Whānau:
------------	----------------	-----------------

KŌWAE 1: NGĀ RAUTAKI TĀPIRI		Kaupae 0-1 Ko mua o te Taumata 1	Kaupae 2-3 Taumata 1 (tōmua)	Kaupae 4 Taumata 1	Kaupae 5 Taumata 2 (tōmua)
1A	Homai kia iwa ngā porotiti. Anei tētahi atu porotiti. E hia ō porotiti ināiane?	0 – E ako ana ki te tatau taonga.	2 – Ka tatau taonga mai i te 1.	Ka whakamahi rautaki tatau māwhitiwhiti, ngā rautaki tatau ake, me ngā rautaki tohatoha ōrite.	Ka whakamahi rautaki wāwāhi tau māmā.
1E	E whā ngā porotiti whero kei tēnei ringaringa. E toru ngā porotiti kahurangi kei tēnei ringaringa. E hia katoa ngā porotiti?	1 – E mōhio ana ki te tatau pānga tahi.	3 – Ka tatau ā-hinengaro mai i te 1.		
1H	E waru ngā porotiti kei raro i tēnei kāri, e whitu kei raro i tēnei kāri. E hia katoa ngā porotiti?	Ngā Kōrero:			
1I	Tekau mā whā ngā porotiti kei raro i te kāri nei. Ka tango au i ētahi porotiti e rima. E hia ngā porotiti e toe ana kei raro i te kāri?				
1K	E whā tekau mā rua ngā hipi kei tēnei pātiki, e 30 ngā hipi kei tēnei pātiki. E hia katoa ngā hipi?				

KŌWAE 2: NGĀ RAUTAKI WHAKAREA		Kaupae 0-1 Ko mua o te Taumata 1	Kaupae 2-3 Taumata 1 (tōmua)	Kaupae 4 Taumata 1	Kaupae 5 Taumata 2 (tōmua)
2A	E waru ngā makimaki. E rua ngā panana hei kai mā ia makimaki. E hia katoa ngā panana?	<p>0 – E ako ana ki te tatau taonga.</p> <p>1 – E mōhio ana ki te tatau pānga tahi.</p>	<p>2-3 – Ka tatau taonga māi i te 1.</p> <p>Ka tohatoha ōrite i ngā taonga.</p>	<p>Ka whakamahi rautaki tatau māwhitiwhiti, ngā rautaki tatau ake, me ngā rautaki tohatoha ōrite.</p>	<p>Ka whakamahi rautaki wāwāhi tau māmā hei whakaoti paheko tau:</p> <ul style="list-style-type: none"> • te wāwāhi me te honohono tauoti • te whiriwhiri i te hautanga o tētahi huinga.
2E	<p>E hia ngā wāhanga ōrite o tēnei porowhita?</p> <p>E mōhio ana koe ki te ingoa mō te wāhanga waiporoporo o te porowhita?</p> <p>Tekau mā rua ngā pīni hei tohatoha kia ōrite te maha ki ia wāhanga o te porowhita. Ka hia ki ia wāhanga?</p>				
2H	E ono ngā rārangi pōro. E rima ngā pōro ki ia rārangi. E hia katoa ngā pōro i tēnei pikitia?				
<p>Ngā Kōrero:</p>					

KŌWAE 3: TE WHAKAINGOA TOHUTAU

		Kaupae 0-1 Ko mua o te Taumata 1	Kaupae 2-3 Taumata 1 (tōmua)	Kaupae 4 Taumata 1	Kaupae 5 Taumata 2 (tōmua)
3	<p>i. Kōrerohia mai ēnei tau? He aha ēnei tau? (3, 9, 5, 1, 8, 6, 0, 4, 2, 7)</p> <p>ii. Kōrerohia mai ēnei tau? He aha ēnei tau? (13, 19, 11, 16, 12)</p> <p>iii. Kōrerohia mai ēnei tau? He aha ēnei tau? (66, 43, 80, 38, 137, 463, 695, 702, 899)</p>	<p>0 – E ako ana ki te pānui i ngā tau mai i te 0 ki te 10.</p> <p>1 – Ka pānui i ngā tau katoa mai i te 0 ki te 10.</p>	<p>2 – Ka pānui i te nuinga o ngā tau mai i te 0 ki te 20.</p> <p>3 – Ka pānui i ngā tau katoa mai i te 0 ki te 20.</p>	<p>Ka pānui i ngā tau katoa mai i te 0 ki te 100.</p>	<p>Ka pānui i ngā tau katoa mai i te 0 ki te 1,000.</p>

Ngā Kōrero:

KŌWAE 4: TE TATAU WHAKAMUA


	Kaupae 0-1 Ko mua o te Taumata 1	Kaupae 2-3 Taumata 1 (tōmua)	Kaupae 4 Taumata 1	Kaupae 5 Taumata 2 (tōmua)	
4	<p>i. Tīmata i te tahi, ka tatau whakamua. Arā, tahi, rua, toru, haere ake. Māku e kī atu ki hea mutu ai (32).</p> <p>ii. Tīmata i te 86, ka tatau whakamua. Arā, 86, 87, 88, haere ake. Māku e kī atu ki hea mutu ai (106).</p> <p>iii. He aha te tau ka whai ake i te [iwa]? Ko te tau kotahi te rahinga ake i te iwa. (1, 9, 3, 7, 13, 19, 76, 29, 99, 378, 149, 794, 409, 999).</p> <p>iv. Tīmata i te rua, ka tatau mawhiti-2 ai. Arā, 2, 4, 6, haere ake. Māku e kī atu ki hea mutu ai (34).</p>	<p>0 – E ako ana i te raupapatanga whakamua o ngā tau mai i te 0 ki te 10.</p> <p>1 – E mōhio ana ki te raupapatanga whakamua o ngā tau mai i te 0 ki te 10.</p>	<p>2 – E mōhio ana ki te raupapatanga whakamua o ngā tau, me te tau e whai ake ana i tētahi o ngā tau, mai i te 0 ki te 10.</p> <p>3 – E mōhio ana ki te raupapatanga whakamua o ngā tau, me te tau e whai ake ana i tētahi o ngā tau, mai i te 0 ki te 20.</p>	<p>E mōhio ana ki te raupapatanga whakamua o ngā tau, me te tau e whai ake ana i tētahi o ngā tau, mai i te 0 ki te 100.</p> <p>E mōhio hoki ana ki te tatau mawhiti-2.</p>	<p>E mōhio ana ki te raupapatanga whakamua o ngā tau, me te tau e whai ake ana i tētahi o ngā tau, mai i te 0 ki te 1,000.</p> <p>E mōhio hoki ana ki te tatau mawhiti-2.</p>

Ngā Kōrero:

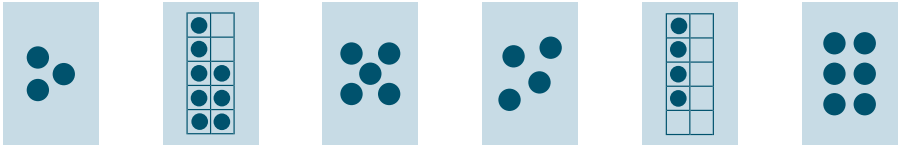
KŌWAE 5: TE TATAU WHAKAMURI

KŌWAE 5: TE TATAU WHAKAMURI	Kaupae 0-1 Ko mua o te Taumata 1	Kaupae 2-3 Taumata 1 (tōmua)	Kaupae 4 Taumata 1	Kaupae 5 Taumata 2 (tōmua)
<p>5</p> <p>i. Tīmata i te tekau, ka tatau whakamuri ai. Arā, 10, 9, 8, haere ake. Māku e kī atu ki hea mutu ai. (0)</p> <p>ii. Tīmata i te 23, ka tatau whakamuri ai. Arā, 23, 22, 21, haere ake. Māku e kī atu ki hea mutu ai. (9)</p> <p>iii. Tīmata i te 103, ka tatau whakamuri ai. Arā, 103, 102, 101, haere ake. Māku e kī atu ki hea mutu ai. (89)</p> <p>iv. He aha te tau o mua tonu i te [iwa]? Ko te tau kotahi te itinga iho i te [iwa].</p> <p>v. Tatau mawhiti-2 whakamuri, mai i te 28. Arā, 28, 26, 24 haere ake. Māku e kī atu ki hea mutu ai. (6)</p>	<p>0 – E ako ana ki te raupapatanga whakamuri o ngā tau mai i te 0 ki te 10.</p> <p>1 – E mōhio ana ki te raupapatanga whakamuri o ngā tau mai i te 0 ki te 10.</p>	<p>2 – E mōhio ana ki te raupapatanga whakamuri o ngā tau, me te tau omua tonu i tētahi o ngā tau, mai i te 0 ki te 10.</p> <p>3 – E mōhio ana ki te raupapatanga whakamuri o ngā tau, me te tau o mua tonu i tētahi o ngā tau, mai i te 0 ki te 20.</p>	<p>E mōhio ana ki te raupapatanga whakamuri o ngā tau, me te tau o mua tonu i tētahi o ngā tau, mai i te 0 ki te 100.</p> <p>E mōhio hoki ana ki te tatau mawhiti-2 whakamuri.</p>	<p>E mōhio ana ki te raupapatanga whakamuri o ngā tau, me te tau o mua tonu i tētahi o ngā tau, mai i te 0 ki te 1,000.</p> <p>E mōhio hoki ana ki te tatau mawhiti-2 whakamuri.</p>
<p>Ngā Kōrero:</p>				

KŌWAE 6: NGĀ TAU HAUTANGA

KŌWAE 6: NGĀ TAU HAUTANGA		Kaupae 0-1 Ko mua o te Taumata 1	Kaupae 2-3 Taumata 1 (tōmua)	Kaupae 4 Taumata 1	Kaupae 5 Taumata 2 (tōmua)
6A	He aha te hautanga [kākāriki] o tēnei pikitia?	E ako ana ki te tautohu i te $\frac{1}{2}$.	E mōhio ana ki ngā haurua me ngā hauwhā o tētahi āhua māmā.	E mōhio ana ki ngā tohu mō ngā haurua, ngā hauwhā, ngā hatoru me ngā haurima.	E mōhio ana ki ngā tohu mō ngā haurua, ngā hauwhā, ngā hatoru, ngā haurima me ngā hautekau, me te whakaatu anō i ēnei hautau ki te pikitia o tētahi āhua māmā.
6E	<p>Kōrerohia mai ēnei hautau. ($\frac{1}{4}$, $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{5}$, $\frac{1}{10}$)</p> <p>Whakatakotoria ngā kāri hautau ki runga i ngā pikitia e tika ana.</p> 				
<p>Ngā Kōrero:</p>					



KŌWAE 7: TE UARA TŪ ME TE WHAKARŌPŪ

KŌWAE 7: TE UARA TŪ ME TE WHAKARŌPŪ		Kaupae 0-1 Ko mua o te Taumata 1	Kaupae 2-3 Taumata 1 (tōmua)	Kaupae 4 Taumata 1	Kaupae 5 Taumata 2 (tōmua)
7A	<p>i. E hia ngā ira i tēnei pikitia?</p> <p>ii. E hia atu anō ngā ira kia rima katoa?</p> <p>iii. E hia katoa ngā ira kei konei? He aha koe i mōhio ai?</p> <p>iv. Ko te rearua tēnei o te toru. He aha te tau, mēnā ka rearuatia, ka tekau ngā ira?</p> 	<p>0 - E ako ana i ngā tauira tau ki te 5.</p> <p>1 - E mōhio wawe ana ki ngā tauira tau ki te 5.</p>	<p>2 - E mōhio ana ki ngā rōpū o roto i te 5. E mōhio hoki ana ki te 5 me ōna tauhono.</p> <p>3 - E mōhio ana ki ngā tau rearua ki te 10.</p>	<ul style="list-style-type: none"> E mōhio ana ki te takau me ōna tauhono, me te tauira o ngā tau ki te 20. E mōhio ana ki ngā tau ngahuru. 	E mōhio ana ki ngā rōpū o te 10 kei roto i tētahi tau mati-toru.
7E	E rima ngā ira kei konei. Tekau atu anō ngā ira kei konei. E hia katoa ngā ira?	<p>Ngā Kōrero:</p>			
7H	E whitu tekau ngā rākau ahikirimi kei konei. E hia ngā rōpū o te tekau e taea ana te hanga?				
7I	E \$240 te utu mō te pūrere kōpae ataata. E hia ngā tekau tāra (\$10) hei hoko i te pūrere nei?				

KŌWAE 8: NGĀ MEKA MATUA

KŌWAE 8: NGĀ MEKA MATUA		Kaupae 0-1 Ko mua o te Taumata 1	Kaupae 2-3 Taumata 1 (tōmua)	Kaupae 4 Taumata 1	Kaupae 5 Taumata 2 (tōmua)
8	<p>He aha te otinga?</p> <p>Tāpiria te 2 me te 3. Ka hia?</p> <p>E 7, tāpiria te aha, ka 10?</p> <p>E 7 tangohia te 3, ka hia?</p> <p>2 + 3 1 + 4 5 + 4 5 - 2</p> <p>3 + 3 7 + □ = 10 2 + 8 4 + 4</p> <p>10 + 8 7 + 7 9 + 9 5 + 6</p> <p>7 - 3 9 - 6 8 + 6 7 + 5</p>	<p>E ako ana ki ngā tauira tau ki te 5.</p>	<p>2 - E mōhio wawe ana ki ngā meka tāpiri ki te 5, me ngā tauhono o te 5.</p> <p>3 - E mōhio ana ki ngā tau rearua ki te 10 me ngā rōpū o roto i te 10.</p>	<p>E mōhio ana ki ngā meka tāpiri/tango ki te 10, ngā tau rearua ki te 20 me ngā tau haurua e whai pānga ana.</p>	<p>E mōhio ana ki ngā meka tāpiri ki te 20 me ngā tangohanga ki te 10.</p>
		<p>Ngā Kōrero:</p>			

KŌWAE 9: TE TAURANGI (TE TAUIRA)

KŌWAE 9: TE TAURANGI (TE TAUIRA)		Kaupae 0-1 Ko mua o te Taumata 1	Kaupae 2-3 Taumata 1 (tōmua)	Kaupae 4 Taumata 1	Kaupae 5 Taumata 2 (tōmua)
9A	<p>Whakatakotoria te poraka hei whakaroa tonu i tēnei tauira.</p>  <p>He aha koe i mōhio ai koirā te poraka tika?</p> <p>Me haere tonu te whakaroa i te tauira, kia pau rā anō ngā poraka.</p>	E ako ana ki te tautohu tauira tāruarua māmā.	E mōhio ana ki te whakaroa tauira tāruarua māmā.	E mōhio ana ki te hanga, ki te whakaroa hoki i te tauira tāruarua māmā, me te tautohu anō i te wāhanga pūtake o te tauira e tāruaruatia ana.	E mōhio ana ki te hanga, ki te whakaroa hoki i te tauira matarua tāruarua, ki te tautohu hoki i te pūtake o te tauira e tāruaruatia ana.
9E	<p>Whakamahia ēnei poraka hei hanga i tētahi tauira.</p> <p>Whakamāramatia mai tō tauira.</p>	Ngā Kōrero:			
9H	<p>Whakatakotoria te poraka hei whakaroa tonu i tēnei tauira.</p>  <p>He aha koe i mōhio ai koirā te poraka tika?</p> <p>He aha te poraka nama tekau mā rua i tēnei tauira?</p>				

KŌWAE 10: TE ĀHUAHANGA (TE HANGA)**Kaupae 0-1**
Ko mua o te Taumata 1**Kaupae 2-3**
Taumata 1 (tōmua)**Kaupae 4**
Taumata 1**Kaupae 5**
Taumata 2 (tōmua)

- 10
- i. E putu noa ana ēnei poraka. Māu e wehewehe ki ētahi rōpū.
 - ii. Kōrero mai mō ngā rōpū. He aha ngā rōpū poraka?
 - iii. Whakamāramatia tēnei rōpū.
 - iv. Whakaaturia tētahi atu whakarōpūtanga o ngā poraka.

E mōhio ana ki ngā kupu o ia rā hei whakamārama i tētahi taonga.

E mōhio ana ki te whakarōpū taonga, āhua hoki i runga i tētahi āhuatanga kotahi, me te whakamārama anō i taua āhuatanga i te reo o ia rā.

E mōhio ana ki te whakarōpū taonga, āhua hoki i runga i tētahi āhuatanga kotahi, me te whakamārama anō i taua āhuatanga i te reo pāngarau.

E mōhio ana ki te whakarōpū taonga, āhua ahu-2, ahu-3 hoki, i runga i ngā āhuatanga o aua taonga/āhua, me te tautohu anō i ngā rōpū iti.



Porowhitatia ngā āhua e mōhio ana te ākongā.

Ngā Kōrero:

KŌWAE 11: TE INE I TE ROA		Kaupae 0-1 Ko mua o te Taumata 1	Kaupae 2-3 Taumata 1 (tōmua)	Kaupae 4 Taumata 1	Kaupae 5 Taumata 2 (tōmua)
11A	Ko tēhea o ēnei te mea roa rawa?	E ako ana ki te whakatairite i te roa o ētahi taonga.	E mōhio ana ki te whakatairite 'mata ki te mata' i te roa o ētahi taonga e rua.	E mōhio ana ki te kōwhiri, ki te whakamahi waeine aro kē ki te whakatairite i te roa o ētahi taonga e rua.	E mōhio ana ki te whakamahi āwhata tauoti ki te ine i te roa o tētahi taonga.
11E	Whakaaturia mai, me pēhea te ine i te whānui o tēnei tēpu. He aha koe i kōwhiri ai i tēnā mea hei ine i te tēpu? Me pēhea te ine i te roa o tēnei pene rākau He aha koe i kōwhiri ai i tēnā mea hei ine i te pene rākau?				
11H	Inea te roa o te kāri kahurangi. Anei ētahi kāri e rua. Ko tēhea o ēnei kāri te mea roa rawa? He aha koe i mōhio ai? He pēhea nei te roa ake o tēnei i tērā?				
		Ngā Kōrero:			