

Te Poutama Tau

Āpitianga Uiui Rautaki 4

Rauemi:


Kia 20 ngā porotiti, kia 2 ngā kāri he A5 te rahi

	Aronga	Ngā mahi me ngā kōrero a te pouako	Hei ārahi i te aromatawai	Hei taurira rautaki
Patai 1	<p>Tāpiri/Tango</p> <p>Kaupae 1</p> <p>Tatau pānga tahi</p> <p>1 – 6</p>	<p>Whakaputua ētahi taonga (pēnei i te porotiti) ki mua i te tamaiti.</p> <p>“Tangohia (Homai, Tikina) kia ono ngā porotiti.”</p>	<p>Ki te kore e taea te tatau pānga tahi ki te 9, kei te Kaupae 0 o Te Mahere Tau.</p> <p>Me mutu ngā pātai i konei.</p> <p>Mēnā e tika ana te tatau pānga tahi, me haere tonu ki te Pātai 2.</p>	1, 2, 3, 4, 5, 6
Patai 2	<p>Tāpiri/Tango</p> <p>Kaupae 2-3, 4</p> <p>Whanaketanga 1a/1e</p> <p>Te tatau ā-hinengaro</p> <p>Tatau ake</p> <p>4 + 5</p>	<p>Hoatu ētahi porotiti e 4 ki tētahi ringa o te tamaiti, kia 5 ki tētahi. Katia ngā ringa kia kore ai ngā porotiti e kitea.</p> <p>“Anei ētahi porotiti e whā. Anei ētahi atu porotiti e rima. E hia katoa ngā porotiti?”</p> <p>Mēnā he uaua te tatau ā-hinengaro i ngā porotiti, e pai ana kia huakina ngā ringa kia kitea ā-karu.</p>	<p>Ki te kore e taea:</p> <ul style="list-style-type: none"> • Kei te Kaupae 1 o Te Mahere Tau. • Kāore anō kia eke ki te Taumata 1a o Ngā Whanaketanga. <p>Me mutu ngā pātai i konei.</p> <p>Mēnā ka tika mā te tatau i ngā porotiti:</p> <ul style="list-style-type: none"> • Kei te Kaupae 2 o Te Mahere Tau. • Kei te Taumata 1a o Ngā Whanaketanga. <p>Me mutu ngā pātai i konei.</p> <p>Mēnā ka tika mā te tatau ā-hinengaro, mā tētahi rautaki hōhonu kē atu, me haere tonu ki te Pātai 3.</p>	<p>1, 2, 3, 4, 5, 6, 7, 8, 9 (me te pā anō o te mati ki ia porotiti)</p> <p>1, 2, 3, 4, 5, 6, 7, 8, 9 (tatau ā-hinengaro)</p> <p>4... “5, 6, 7, 8, 9” (tatau ake)</p> <p>5... “6, 7, 8, 9” (tatau ake)</p> <p>4 + 5 = 9 (he meka mōhio)</p>

Patai 3	<p>Tāpiri/Tango Kaupae 3, 4, 5 (tōmua) Whanaketanga 1e, 2a</p> <p>Tatau ā-hinengaro Tatau ake Wāwāhi tau</p> <p>9 + 6</p>	<p>Uhia kia 9 ngā porotiti ki raro i tētahi kāri, kia 6 ki raro i tētahi atu kāri.</p> <p>Whakaaturia ngā porotiti ki te tamaiti, ka uhi anō ai.</p> <p>“E 9 ngā porotiti kei raro i tēnei kāri. E 6 kei raro i tēnei. E hia katoa ngā porotiti?”</p> <p>I pēhea koe i mōhio ai?</p> <p>Whakamāramahia mai ō mahi.”</p>	<p>Ki te kore e taea:</p> <ul style="list-style-type: none"> • Kei te Kaupae 3 o Te Mahere Tau. • Kei te Taumata 1e o Ngā Whanaketanga. <p>Me mutu ngā pātai i konei.</p> <p>Mēnā ka tika mā te tatau ake i te 8, i te 7 rānei:</p> <ul style="list-style-type: none"> • Kei te Kaupae 4 o Te Mahere Tau. • Kei te Taumata 1e o Ngā Whanaketanga. <p>Haere tonu ki te Pātai 4 me te 5.</p> <p>Mēnā ka tika mā tētahi rautaki wāwāhi tau:</p> <ul style="list-style-type: none"> • Kei te Kaupae 5 (tōmua) o Te Mahere Tau, kei tua ake rānei. • Kei te Taumata 2a o Ngā Whanaketanga <p>Haere tonu ki te Pātai 4 me te 5.</p>	<p>9 ... “10, 11, 12, 13, 14, 15”</p> <p>6 ... “7, 8, 9, 10, 11, 12, 13, 14, 15”</p> <p>$9 + 1 + 5 = 10 + 5 = 15$ $9 + 9 = 18; 18 - 3 = 15$ $9 + 6 (5 + 4) + (5 + 1) = 5 + 5 + 4 + 1 = 10 + 5 = 15$ $9 + 6 = 15$ (he meka mōhio)</p>
Patai 4	<p>Whakarea/Whakawehe Kaupae 3, 4, 5 (tōmua) Whanaketanga 1e, 2a</p> <p>4 × 6</p>	<p>Whakaaturia te rapanga ki te ākongā. Tohua tētahi rārangi (kapa) o ngā tūi, ka pātai ai:</p> <p>“E hia ngā tūi kei ia rārangi?”</p> <p>Tohua ia rārangi o ngā tūi, ka pātai ai i te pātai:</p> <p>“E hia ngā rārangi o ngā tūi?”</p> <p>Kātahi ka pānu i te pātai tuatoru.</p> <p>“E hia katoa ngā tūi?”</p>	<p>Mēnā ka tatauria ā-tahi:</p> <ul style="list-style-type: none"> • Kei te Kaupae 3 o te Mahere Tau, mō te whakarea me te whakawehe. • Kei te Taumata 1a/1e o Ngā Whanaketanga. <p>Haere tonu ki te Pātai 5.</p> <p>Mēnā ka tatauria māwhitiwhiti:</p> <ul style="list-style-type: none"> • Kei te Kaupae 4 o te Mahere Tau, mō te whakarea me te whakawehe. • Kei te Taumata 1e o Ngā Whanaketanga. <p>Haere tonu ki te Pātai 5.</p> <p>Mēnā ka whakamahia he rautaki tāpiri, he meka mōhio rānei te 3 x 6:</p> <ul style="list-style-type: none"> • Kei te Kaupae 5 o te Mahere Tau, mō te whakarea me te whakawehe, kei tua atu rānei. • Kei te Taumata 2a o Ngā Whanaketanga. <p>Haere tonu ki te Pātai 5.</p>	<p>1, 2, 3 ... 24</p> <p>4, 8, 12 ... 24 6, 12, 18, 24</p> <p>$6 + 6 = 12; 12 + 12 = 24$ $4 + 4 = 8; 8 + 4 = 12; 12 + 4 = 16; 16 + 4 = 20; 20 + 4 = 24$ $4 + 4 + 4 = 12; 12 + 12 = 24$ $4 \times 6 = 24$ (he meka mōhio)</p>

Patai 5	<p>Pānga Riterite Kaupae 4, 5 (tōmua) Whanaketanga 1e, 2a</p> $15 \div 3$ $\frac{1}{3} \text{ o te } 15$	<p>Whakaaturia te rapanga mō tēnei pātai, ka pānui ai.</p> <p>Hoatu kia 15 ngā porotiti mēnā e hiahiatia ana.</p> <p>“15 ngā kārara hei whakatū ki te keke kia ōrite te maha o ngā kārara ki ia hauroru o te keke. E hia ngā kārara ki ia hauroru o te keke?”</p>	<p>Mēnā ka tohaina ā-tahi ngā pāua (ā-ringā, ā-hinengaro rānei):</p> <ul style="list-style-type: none"> • Kei te Kaupae 4 o te Mahere Tau, mō te whakarea me te whakawehe. • Kei te Taumata 1e o Ngā Whanaketanga. Me mutu ngā pātai i konei. <p>Mēnā ka whakamahia tētahi rautaki tāpiri:</p> <ul style="list-style-type: none"> • Kei te Kaupae 5 (tōmua) o te Mahere Tau, mō te whakarea me te whakawehe. • Kei te Taumata 2a o Ngā Whanaketanga. <p>Mēnā ka whakamahia he rautaki whakarea/whakawehe, he meka mōhio rānei:</p> <ul style="list-style-type: none"> • Kei te Kaupae 5 o te Mahere Tau, mō te whakarea me te whakawehe, kei tua atu rānei. • Kei te Taumata 2a o Ngā Whanaketanga, kei tua atu rānei. <p>Haere tonu ki te Pātai 6.</p>	$5 + 5 = 10; 10 + 5 = 15$ $4 \times 3 = 12, \text{ nō reira } 5 \times 3 = 15$ $15 \div 3 = 5 \text{ (he meka mōhio)}$
Patai 6	<p>Tāpiri/Tango Kaupae 5 Whanaketanga 2e</p> $58 - \square = 35$ $35 + \square = 58$	<p>Whakaaturia te rapanga mō tēnei pātai, ka pānui ai.</p> <p>“E 58 ngā māpere a Rāpata. Ka hoatu ētahi ki tana hoa, e 35 ka toe mai ki a ia. E hia ngā māpere i hoatu ki tana hoa?”</p>	<p>Mēnā ka whakamahia he rautaki tāpiri tāruarua:</p> <ul style="list-style-type: none"> • Kei te Kaupae 5 (tōmua) o te Mahere Tau, mō te tāpiri me te tango. • Kei te Taumata 2a o Ngā Whanaketanga. <p>Mēnā ka whakamahia he rautaki wāwāhi tau:</p> <ul style="list-style-type: none"> • Kei te Kaupae 5 o te Mahere Tau, mō te tāpiri me te tango, kei tua atu rānei • Kei te Taumata 2e o Ngā Whanaketanga. <p>Haere tonu ki te Pātai 7.</p>	$35 + 10 = 45; 45 + 10 = 55; 55 + 3 = 58; \text{ nō reira } 35 + 23 = 58$ $35 + 5 = 40; 40 + 18 = 58; \text{ hui katoa } 35 + 23 = 58$ $58 - 20 = 38; 38 - 3 = 35, \text{ nō reira } 58 - 23 = 35$ $58 - 35 = (50 - 30) + (8 - 5) = 20 + 3 = 23$ $35 + 20 = 55; 55 + 3 = 58, \text{ nō reira } 35 + 23 = 58$
Patai 7	<p>Whakarea/Whakawehe Kaupae 5 Whanaketanga 2e</p> $45 \div 5 = \square$ $5 \times \square = 45$	<p>Whakaaturia te rapanga mō tēnei pātai, ka pānui ai.</p> <p>“E 45 katoa ngā āporo, ka wehea ki ētahi pēke e 5, kia ōrite te maha ki ia pēke. E hia ngā āporo ki ia pēke?”</p>	<p>Mēnā ka whakamahia he rautaki wāwāhi tau:</p> <ul style="list-style-type: none"> • Kei te Kaupae 5 o te Mahere Tau, mō te whakarea me te whakawehe, kei tua atu rānei • Kei te Taumata 2e o Ngā Whanaketanga. <p>Haere tonu ki te Pātai 8.</p>	$5 \times 10 = 50; 50 - 5 = 45, \text{ nō reira } 5 \times 9 = 45$ $50 \div 5 = 10, \text{ nō reira } 45 \div 5 = 9$ $10 \div 5 = 2, \text{ nō reira } 40 \div 5 = 8, \text{ nō reira } 45 \div 5 = 9$ $5 \times \square = 45 \rightarrow 10 \times \square = 90, \text{ nō reira } \square = 9$ $45 \div 5 = 9 \text{ (he meka mōhio)}$

Pātai 8	<p>Pānga Riterite</p> <p>Kaupae 5 Whanaketanga 2e</p> <p>$\frac{3}{4}$ o te 40</p>	<p>Whakaaturia te rapanga mō tēnei pātai, ka pānui ai.</p> <p>Tohua te pikitia tuatahi:</p> <p>“E \$40 te moni a Hera. Ka pau i a ia te toru hauwhā ($\frac{3}{4}$) o āna moni ki te hoko taonga. E hia tāra te utu o te taonga?”</p>	<p>Mēnā ka whakamahia he rautaki wāwāhi tau:</p> <ul style="list-style-type: none"> • Kei te Kaupae 5 o te Mahere Tau, mō te pānga riterite, kei tua atu rānei. • Kei te Taumata 2e o Ngā Whanaketanga. <p>Haere tonu ki te Pātai 9.</p>	<p>$\frac{1}{4}$ o te 40 = 10, nō reira $\frac{3}{4}$ o e 40 = 30</p> <p>$40 \div 4 = 10$; $10 \times 3 = 30$</p> <p>$\frac{1}{2}$ o te 40 = 20, $\frac{1}{2}$ o te 20 = 10; $20 + 10 = 30$</p>
Pātai 9	<p>Tāpiri/Tango</p> <p>Kaupae 6 Whanaketanga 3a</p> <p>$\square + 25 = 134$</p>	<p>Whakaaturia te rapanga mō tēnei pātai, ka pānui ai.</p> <p>“Ka whakaurua e Taki te \$25 ki tana pūtea pēke. Ko te tapeke o tana pūtea ināianei ko te \$134. E hia tāra i roto i tana pūtea i te tīmatanga?”</p>	<p>Mēnā ka whakamahia he rautaki wāwāhi tau:</p> <ul style="list-style-type: none"> • Kei te Kaupae 6 (tōmua) o te Mahere Tau, mō te tāpiri me te tango, kei tua atu rānei. • Kei te Taumata 3a o Ngā Whanaketanga. <p>Haere tonu ki te Pātai 10.</p>	<p>$25 + 100 = 125$; $125 + 5 = 130$; $130 + 4 = 134$, nō reira $25 + 109 = 134$</p> <p>$\square + 25 = 134 \rightarrow \square + 30 = 139$, nō reira $\square = 109$</p> <p>$134 - 30 = 104$; $104 + 5 = 109$, nō reira $134 - 25 = 109$</p>
Pātai 10	<p>Whakarea/Whakawehe</p> <p>Kaupae 6 Whanaketanga 3a</p> <p>14×4</p>	<p>Whakaaturia te rapanga mō tēnei pātai, ka pānui ai.</p> <p>“E 4 ngā pēke māpere, 14 ngā māpere kei ia pēke. E hia katoa ngā māpere?”</p>	<p>Mēnā ka whakamahia he rautaki wāwāhi tau:</p> <ul style="list-style-type: none"> • Kei te Kaupae 6 (tōmua) o te Mahere Tau, mō te whakarea me te whakawehe, kei tua atu rānei. • Kei te Taumata 3a o Ngā Whanaketanga. <p>Haere tonu ki te Pātai 11.</p>	<p>$14 \times 4 = (10 \times 4) + (4 \times 4) = 40 + 16 = 56$</p> <p>$14 \times 2 = 28$; $28 \times 2 = 56$</p> <p>$7 \times 4 = 28$; $28 \times 2 = 56$</p>
Pātai 11	<p>Pānga Riterite</p> <p>Kaupae 6 Whanaketanga 3</p> <p>$\frac{1}{4}$ o te 72</p>	<p>Whakaaturia te rapanga mō tēnei pātai, ka pānui ai.</p> <p>“E 72 manomita (72km) te tawhiti o te haerenga a Māia. Kua oti te kotahi hauwhā ($\frac{1}{4}$) o tana haere. E hia manomita (km) kua oti i a ia?”</p>	<p>Mēnā ka whakamahia he rautaki pānga riterite:</p> <ul style="list-style-type: none"> • Kei te Kaupae 6 (tōmua) o te Mahere Tau, mō te pānga riterite, kei tua atu rānei. • Kei te Taumata 3a o Ngā Whanaketanga. <p>Haere tonu ki te Pātai 12.</p>	<p>$72 \div 2 = 36$; $36 \div 2 = 18$, nō reira $72 \div 4 = 18$</p> <p>$72 \div 4 = (40 \div 4) + (32 \div 4) = 10 + 8 = 18$</p> <p>$\frac{1}{4}$ o te 80 = 20; $\frac{1}{4}$ o te 76 = 19; $\frac{1}{4}$ o te 72 = 18</p> <p>$\frac{1}{4}$ o te 72 $\rightarrow 4 \times \square = 72$; $4 \times 10 = 40$; $4 \times 8 = 32$, nō reira $4 \times 18 = 72$</p>
Pātai 12	<p>Tāpiri/Tango</p> <p>Kaupae 6 Whanaketanga 3e</p> <p>$133 = 87 + \square$</p>	<p>Whakaaturia te rapanga mō tēnei pātai, ka pānui ai.</p> <p>“133 katoa ngā hipi a kaipāmu Hata. E 87 ngā hipi kei tētahi pātiki, ko te toenga o ngā hipi kei te pātiki tuarua. E hia ngā hipi kei te pātiki tuarua?”</p>	<p>Mēnā ka whakamahia he rautaki wāwāhi tau:</p> <ul style="list-style-type: none"> • Kei te Kaupae 6 o te Mahere Tau, mō te tāpiri me te tango, kei tua atu rānei. • Kei te Taumata 3e o Ngā Whanaketanga. <p>Haere tonu ki te Pātai 13.</p>	<p>$87 + 3 = 90$; $90 + 10 = 100$; $100 + 33 = 133$, nō reira $87 + 46 = 133$</p> <p>$87 + 50 = 137$; $137 - 4 = 133$, nō reira $87 + 46 = 133$</p> <p>$133 = 87 + \rightarrow \square$ $136 = 90 + \square$, nō reira $\square = 46$</p>

Patai 13	<p>Whakarea/Whakawehe</p> <p>Kaupae 6 Whanaketanga 3e</p> 7.3×4	<p>Whakaaturia te rapanga mō tēnei pātai, ka pānui ai.</p> <p>“E 7.3 karamu (7.3g) te taumaha o tētahi pene rākau. E hia te taumaha o ētahi o ēnei pene rākau e 4?”</p>	<p>Mēnā ka whakamahia he rautaki wāwāhi tau me ngā meka whakarea:</p> <ul style="list-style-type: none"> • Kei te Kaupae 6 o te Mahere Tau, mō te whakarea me te whakawehe, kei tua atu rānei. • Kei te Taumata 3e o Ngā Whanaketanga. <p>Haere tonu ki te Pātai 14.</p>	$7.3 \times 4 = (7 \times 4) + (0.3 \times 4) = 28 + 1.2 = 29.2g$ $7.3 \times 2 = 14.6; 14.6 \times 2 = 28 + 1.2 = 29.2g$
Patai 14	<p>Pānga Riterite</p> <p>Kaupae 6 Whanaketanga 3e</p> $\frac{3}{5} > \frac{3}{8}$ $\frac{3}{5} > \frac{1}{4}$	<p>Whakaaturia te rapanga mō tēnei pātai, ka pānui ai.</p> <p>“E $\frac{3}{5}$ te hautanga o tētahi parehe i kainga e Hēni. E $\frac{3}{8}$ te hautanga i kainga e Api. Kotahi hauwhā ($\frac{1}{4}$) te hautanga i kainga e Mere. I kainga e wai te hautanga parehe nui rawa atu?”</p>	<p>Mēnā ka whakamahia he rautaki pānga riterite:</p> <ul style="list-style-type: none"> • Kei te Kaupae 6 o te Mahere Tau, mō te pānga riterite, kei tua atu rānei. • Kei te Taumata 3e o Ngā Whanaketanga. <p>Haere tonu ki te Pātai 15.</p>	<p>Ka whakaaturia ngā hautanga ki tētahi porowhita:</p>  <p>Ka whakatairitea ngā hautanga ki te haurua: He nui ake te $\frac{3}{5}$ i te haurua. He iti ake te $\frac{3}{8}$ me te $\frac{1}{4}$ i te haurua.</p> <p>He nui ake te haurima i te hauwaru, nō reira he nui ake te $\frac{3}{5}$ i te $\frac{3}{8}$. He ōrite te $\frac{1}{4}$ ki te $\frac{2}{8}$, nō reira he nui ake te $\frac{3}{8}$ i te $\frac{1}{4}$.</p>
Patai 15	<p>Tāpiri/Tango</p> <p>Kaupae 7 Whanaketanga 4a</p> $1.32 - 0.7$ $0.7 + \square = 1.32$	<p>Whakaaturia te rapanga mō tēnei pātai, ka pānui ai.</p> <p>“E rua ngā pēke āporo. Hui katoa ko te 1.32 manokaramu (1.32kg) te taumaha o ngā pēke e rua nei. Ko te 0.7 manokaramu (0.7kg) te taumaha o tētahi. E hia te taumaha o te pēke tuarua?”</p>	<p>Mēnā ka whakamahia he rautaki wāwāhi tau:</p> <ul style="list-style-type: none"> • Kei te Kaupae 7 (tōmua) o te Mahere Tau, mō te tāpiri me te tango, kei tua atu rānei. • Kei te Taumata 4a o Ngā Whanaketanga. <p>Haere tonu ki te Pātai 16.</p>	$0.7 + 0.3 = 1; 1 + 0.32 = 1.32, \text{ nō reira } 0.7 + 0.62 = 1.32$ $1.32 - 0.7 = (1.32 + 0.3) - (0.7 + 0.3) = 1.62 - 1 = 0.62$ $1.32 - 0.7 = (1.3 - 0.7) + (0.02 - 0) = 0.6 + 0.02 = 0.62$
Patai 16	<p>Whakarea/Whakawehe</p> <p>Kaupae 7 Whanaketanga 4a</p> $67 \div 4$	<p>Whakaaturia te rapanga mō tēnei pātai, ka pānui ai.</p> <p>“E 67 ngā tamariki, ka wehea ki ētahi kapa e whā, kia ōrite te maha o ngā tamariki ki ia kapa. Ka hia ngā tamariki ki ia kapa?”</p>	<p>Mēnā ka whakamahia he rautaki wāwāhi tau me ngā meka whakarea:</p> <ul style="list-style-type: none"> • Kei te Kaupae 7 (tōmua) o te Mahere Tau, mō te whakarea me te whakawehe, kei tua atu rānei. • Kei te Taumata 4a o Ngā Whanaketanga. <p>Haere tonu ki te Pātai 17.</p>	$67 \div 4 = (40 \div 4) + (24 \div 4) + (3 \div 4) = 10 + 6 + \frac{3}{4}. \text{ Nō reira } 16 \text{ ngā tamariki ki ia kapa, e toru ngā tamariki e toe ana.}$ $68 \div 2 = 34; 34 \div 2 = 17. \text{ Nō reira } 16 \text{ ngā tamariki ki ia kapa, e toru ngā tamariki e toe ana.}$

Patai 17	<p>Pānga Riterite Kaupae 7 Whanaketanga 4a 35% o te 50</p>	<p>Whakaaturia te rapanga mō tēnei pātai, ka pānui ai.</p> <p>“E 50 manomita (50km) te tawhiti o te haerenga a Hera. Kua oti te 35% o tana haere. E hia manomita (km) kua oti?”</p>	<p>Mēnā ka whakamahia he rautaki pānga riterite:</p> <ul style="list-style-type: none"> • Kei te Kaupae 7 (tōmua) o te Mahere Tau, mō te pānga riterite, kei tua atu rānei. • Kei te Taumata 4a o Ngā Whanaketanga. <p>Haere tonu ki te Pātai 18.</p>	<p>10% o te 50 = 5; 30% o te 50 = 15; 5% o te 50 = $2\frac{1}{2}$, nō reira 35% o te 50 = 17.5km</p> <p>35% o te 100 = 35; $\frac{1}{2}$ o te 35 = 17.5</p>
Patai 18	<p>Tāpiri/Tango Kaupae 7/8 Whanaketanga 4e $0.62 + \square = 1.3$</p>	<p>Whakaaturia te rapanga mō tēnei pātai, ka pānui ai.</p> <p>“0.62 manokaramu (0.62kg) te taumaha o tētahi pēke nati. Ka tāpiria ētahi anō nati ki te pēke, ka eke ki te 1.3 manokaramu (1.3kg) te taumaha. E hia te taumaha o ngā nati i tāpiria atu?”</p>	<p>Mēnā ka whakamahia he rautaki wāwāhi tau:</p> <ul style="list-style-type: none"> • Kei te Kaupae 7 o te Mahere Tau, mō te tāpiri me te tango, kei tua atu rānei. • Kei te Taumata 4e o Ngā Whanaketanga. <p>Haere tonu ki te Pātai 19.</p>	<p>$0.62 + 0.08 = 0.7$; $0.7 + 0.3 = 1.0$; $1 + 0.3 = 1.3$, nō reira $0.62 + 0.68 = 1.3$</p> <p>$0.62 + \square = 1.3 \rightarrow 0.6 + \square = 1.28$; $0.6 + 0.4 = 1$; $1 + 0.28 = 1.28$. Hui katoa, ko te 0.68 i tāpiria atu</p> <p>$1.3 - 0.3 = 1$; $1 - 0.3 = 0.7$; $0.7 - 0.08 = 0.62$, nō reira $1.3 - 0.68 = 0.62$</p> <p>$0.62 + 0.7 = 1.32$; $1.32 - 0.02 = 1.30$, nō reira $0.62 + 0.68 = 1.5$</p>
Patai 19	<p>Whakarea/Whakawehe Kaupae 7/8 Whanaketanga 4e $15 \times \square = 330$ $330 \div 15$</p>	<p>Whakaaturia te rapanga mō tēnei pātai, ka pānui ai.</p> <p>“Nā Whaea Mihi ētahi tihāte i hoko mō tana kapa hākinakina. \$15 te utu mō ia tihāte. Hui katoa e \$330 te utu. E hia ngā tihāte i hoko?”</p>	<p>Mēnā ka whakamahia he rautaki wāwāhi tau me ngā meka whakarea:</p> <ul style="list-style-type: none"> • Kei te Kaupae 7 o te Mahere Tau, mō te whakarea me te whakawehe, kei tua atu rānei. • Kei te Taumata 4e o Ngā Whanaketanga. <p>Haere tonu ki te Pātai 20.</p>	<p>$15 \times 10 = 150$; $15 \times 20 = 300$; $15 \times 2 = 30$, nō reira $15 \times 22 = 330$</p> <p>$330 \div 15 = (150 \div 15) + (150 \div 15) + (30 \div 15) = 10 + 10 + 2 = 22$</p> <p>$330 \div 30 = 11$, nō reira $330 \div 15 = 22$</p>
Patai 20	<p>Pānga Riterite Kaupae 7/8 Whanaketanga 4e $\frac{32}{40} = \square\%$</p>	<p>Whakaaturia te rapanga mō tēnei pātai, ka pānui ai.</p> <p>“E 40 ngā pātai i tētahi whakamātautau. E 32 ngā whakautu tika a Hēmi i tēnei whakamātautau. E hia te ōrau o ana whakautu tika?”</p>	<p>Mēnā ka whakamahia he rautaki pānga riterite:</p> <ul style="list-style-type: none"> • Kei te Kaupae 7 o te Mahere Tau, mō te pānga riterite, kei tua atu rānei. • Kei te Taumata 4e o Ngā Whanaketanga. 	<p>Whakawehea te 32 me te 40 ki te 4: $\frac{32}{40} = \frac{8}{10}$; $\frac{8}{10} = 80\%$</p> <p>$40 \times 2.5 = 100$; $32 \times 2.5 = 64 + 16 = 80$, nō reira $\frac{32}{40} = \frac{80}{100} = 80\%$</p> <p>$\frac{32}{40} = \frac{16}{20} = \frac{8}{10}$; $\frac{8}{10} = 80\%$</p>