

# Te Poutama Tau

## Āpitihanganga Uiuui Rautaki 2

### 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 tauira rautaki
Patai 1	<p><b>Tāpiri/Tango</b></p> <p>Kaupae 1</p> <p>Tatau pānga tahi</p> <p>1 – 9</p>	<p>Whakaputua ētahi taonga (pēnei i te porotiti) ki mua i te tamaiti.</p> <p><b>“Tangohia (Homai, Tikina) kia iwa ngā porotiti.”</b></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, 7, 8, 9
Patai 2	<p><b>Tāpiri/Tango</b></p> <p>Kaupae 2-3, 4</p> <p>Whanaketanga 1a/1e</p> <p>Te tatau ā-hinengaro</p> <p>Tatau ake</p> <p>4 + 3</p>	<p>Hoatu ētahi porotiti e 4 ki tētahi ringa o te tamaiti, kia 3 ki tētahi. Katia ngā ringa kia kore ai ngā porotiti e kitea.</p> <p><b>“Anei ētahi porotiti e whā. Anei ētahi atu porotiti e toru. E hia katoa ngā porotiti?”</b></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"> <li>• Kei te Kaupae 1 o Te Mahere Tau.</li> <li>• Kāore anō kia eke ki te Taumata 1a o Ngā Whanaketanga.</li> </ul> <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"> <li>• Kei te Kaupae 2 o Te Mahere Tau.</li> <li>• Kei te Taumata 1a o Ngā Whanaketanga.</li> </ul> <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 (me te pā anō o te mati ki ia porotiti)</p> <p>1, 2, 3, 4, 5, 6, 7 (tatau ā-hinengaro)</p> <p>4... “5, 6, 7” (tatau ake)</p> <p>3... “4, 5, 6, 7” (tatau ake)</p> <p>4 + 3 = 7 (he meka mōhio)</p>

<p style="text-align: center;"><b>Patai 3</b></p>	<p style="text-align: center;"><b>Tāpiri/Tango</b>            Kaupae 3, 4, 5 (tōmua)            Whanaketanga 1e, 2a</p> <p style="text-align: center;">Tatau ā-hinengaro            Tatau ake            Wāwāhi tau</p> <p style="text-align: center;">8 + 6</p>	<p>Uhia kia 8 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><b>“E 8 ngā porotiti kei raro i tēnei kāri. E 6 kei raro i tēnei. E hia katoa ngā porotiti?”</b></p> <p><b>“I pēhea koe i mōhio ai?”</b></p> <p><b>“Whakamāramahia mai ō mahi.”</b></p>	<p>Ki te kore e taea:</p> <ul style="list-style-type: none"> <li>• Kei te Kaupae 3 o Te Mahere Tau.</li> <li>• Kei te Taumata 1e o Ngā Whanaketanga.</li> </ul> <p>Me mutu ngā pātai i konei.</p> <p>Mēnā ka tika mā te tatau ake i te 8, i te 5 rānei:</p> <ul style="list-style-type: none"> <li>• Kei te Kaupae 4 o Te Mahere Tau.</li> <li>• Kei te Taumata 1e o Ngā Whanaketanga.</li> </ul> <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"> <li>• Kei te Kaupae 5 (tōmua) o Te Mahere Tau, kei tua ake rānei.</li> <li>• Kei te Taumata 2a o Ngā Whanaketanga</li> </ul> <p>Haere tonu ki te Pātai 4 me te 5.</p>	<p>8 ... “9, 10, 11, 12, 13, 14”</p> <p>6 ... “7, 8, 9, 10, 11, 12, 13, 14”</p> <p>8 + 2 + 4 = 10 + 4 = 14</p> <p>5 + 5 + 4 = 10 + 4 = 14</p> <p>8 + 8 = 16; 16 – 2 = 14</p> <p>8 + 6 = 14 (he meka mōhio)</p>
<p style="text-align: center;"><b>Patai 4</b></p>	<p style="text-align: center;"><b>Whakarea/Whakawehe</b>            Kaupae 3, 4, 5 (tōmua)            Whanaketanga 1e, 2a</p> <p style="text-align: center;">5 × 5</p>	<p>Whakaaturia te rapanga ki te ākongā. Tohua tētahi rārangi (kapa) o ngā koru, ka pātai ai:</p> <p><b>“E hia ngā koru kei ia rārangi?”</b></p> <p>Tohua ia rārangi o ngā koru, ka pātai ai i te pātai:</p> <p><b>“E hia ngā rārangi o ngā koru?”</b></p> <p>Kātahi ka pānui i te pātai tuatoru.</p> <p><b>“E hia katoa ngā koru?”</b></p>	<p>Mēnā ka tatauria ā-tahi:</p> <ul style="list-style-type: none"> <li>• Kei te Kaupae 3 o te Mahere Tau, mō te whakarea me te whakawehe.</li> <li>• Kei te Taumata 1a/1e o Ngā Whanaketanga.</li> </ul> <p>Haere tonu ki te Pātai 5.</p> <p>Mēnā ka tatauria māwhitiwhiti:</p> <ul style="list-style-type: none"> <li>• Kei te Kaupae 4 o te Mahere Tau, mō te whakarea me te whakawehe.</li> <li>• Kei te Taumata 1e o Ngā Whanaketanga.</li> </ul> <p>Haere tonu ki te Pātai 5.</p> <p>Mēnā ka whakamahia he rautaki tāpiri, he meka mōhio rānei te 5 x 5:</p> <ul style="list-style-type: none"> <li>• Kei te Kaupae 5 o te Mahere Tau, mō te whakarea me te whakawehe, kei tua atu rānei.</li> <li>• Kei te Taumata 2a o Ngā Whanaketanga.</li> </ul> <p>Haere tonu ki te Pātai 5.</p>	<p>1, 2, 3 ... 25</p> <p>5, 10, 15 ... 25</p> <p>5 + 5 = 10; 10 + 5 = 15; 15 + 5 = 20; 20 + 5 = 25</p> <p>5 + 5 = 10; 10 + 10 = 20; 20 + 5 = 25</p> <p>5 x 5 = 25 (meka mōhio)</p>

Patai 5	<p><b>Pānga Riterite</b> Kaupae 4, 5 (tōmua) Whanaketanga 1e, 2a</p> <p><math>18 \div 3</math></p> <p><math>\frac{1}{3}</math> o te 18</p>	<p>Whakaaturia te rapanga mō tēnei pātai, ka pānui ai.</p> <p>Hoatu kia 18 ngā porotiti mēnā e hiahiatia ana.</p> <p><b>“E 3 ngā rohe o te papa tākaro nei. 18 katoa ngā tamariki. Ka wehea ngā tamariki kia ōrite te maha ki ia hautoru o te papa tākaro. E hia ngā tamariki ki ia hautoru?”</b></p>	<p>Mēnā ka tohaina ā-tahi ngā pāua (ā-ringa, ā-hinengaro rānei):</p> <ul style="list-style-type: none"> <li>• Kei te Kaupae 4 o te Mahere Tau, mō te whakarea me te whakawehe.</li> <li>• Kei te Taumata 1e o Ngā Whanaketanga. Me mutu ngā pātai i konei.</li> </ul> <p>Mēnā ka whakamahia tētahi rautaki tāpiri:</p> <ul style="list-style-type: none"> <li>• Kei te Kaupae 5 (tōmua) o te Mahere Tau, mō te whakarea me te whakawehe.</li> <li>• Kei te Taumata 2a o Ngā Whanaketanga.</li> </ul> <p>Mēnā ka whakamahia he rautaki whakarea/whakawehe, he meka mōhio rānei:</p> <ul style="list-style-type: none"> <li>• Kei te Kaupae 5 o te Mahere Tau, mō te whakarea me te whakawehe, kei tua atu rānei.</li> <li>• Kei te Taumata 2a o Ngā Whanaketanga, kei tua atu rānei.</li> </ul> <p>Haere tonu ki te Pātai 6.</p>	<p><math>6 + 6 = 12</math>; <math>12 + 6 = 18</math></p> <p><math>3 \times 5 = 15</math>; <math>15 + 3 = 18</math>, nō reira <math>3 \times 6 = 18</math></p> <p><math>18 \div 3 = 6</math> (he meka mōhio)</p>
Patai 6	<p><b>Tāpiri/Tango</b> Kaupae 5 Whanaketanga 2e</p> <p><math>84 - \square = 57</math></p> <p><math>57 + \square = 84</math></p>	<p>Whakaaturia te rapanga mō tēnei pātai, ka pānui ai.</p> <p><b>“E 84 aku kāri. Ka hoatu ētahi ki taku hoa, e 57 i toe mai. E hia ngā kāri i hoatu ki taku hoa?”</b></p>	<p>Mēnā ka whakamahia he rautaki tāpiri tāruarua:</p> <ul style="list-style-type: none"> <li>• Kei te Kaupae 5 (tōmua) o te Mahere Tau, mō te tāpiri me te tango.</li> <li>• Kei te Taumata 2a o Ngā Whanaketanga.</li> </ul> <p>Mēnā ka whakamahia he rautaki wāwāhi tau:</p> <ul style="list-style-type: none"> <li>• Kei te Kaupae 5 o te Mahere Tau, mō te tāpiri me te tango, kei tua atu rānei</li> <li>• Kei te Taumata 2e o Ngā Whanaketanga.</li> </ul> <p>Haere tonu ki te Pātai 7.</p>	<p><math>57 + 10 = 67</math>; <math>67 + 10 = 77</math>; <math>77 + 3 = 80</math>; <math>80 + 4 = 84</math>; nō reira <math>57 + 27 = 84</math></p> <p><math>57 + 3 = 60</math>; <math>60 + 20 = 80</math>; <math>80 + 4 = 84</math>; hui katoa <math>57 + 27 = 84</math></p> <p><math>84 - 30 = 54</math>; <math>54 + 3 = 57</math>, nō reira <math>84 - 27 = 57</math></p> <p><math>57 + 30 = 87</math>; <math>87 - 3 = 84</math>, nō reira <math>57 + 27 = 84</math></p> <p><math>57 + 20 = 77</math>; <math>77 + 7 = 84</math>, nō reira <math>57 + 27 = 84</math></p>
Patai 7	<p><b>Whakarea/Whakawehe</b> Kaupae 5 Whanaketanga 2e</p> <p><math>30 \div 5</math></p>	<p>Whakaaturia te rapanga mō tēnei pātai, ka pānui ai.</p> <p><b>“E 30 katoa ngā pōro tēnehi. Ka wehea ngā pōro kia 5 ngā pōro ki ia pēke. E hia ngā pēke?”</b></p>	<p>Mēnā ka whakamahia he rautaki wāwāhi tau, e mōhio ana rānei ki te meka <math>5 \times 6 = 30</math>, <math>30 \div 5 = 6</math>:</p> <ul style="list-style-type: none"> <li>• Kei te Kaupae 5 o te Mahere Tau, mō te whakarea me te whakawehe, kei tua atu rānei</li> <li>• Kei te Taumata 2e o Ngā Whanaketanga.</li> </ul> <p>Haere tonu ki te Pātai 8.</p>	<p><math>5 + 5 = 10</math>; <math>10 + 10 + 10 = 30</math>; <math>5 \times 6 = 30</math>, nō reira e 6 ngā pēke</p> <p><math>5 \times 4 = 20</math>; <math>5 \times 5 = 25</math>; <math>5 \times 6 = 30</math></p> <p><math>30 \div 5 = 6</math> (he meka mōhio)</p>

Patai 8	<p><b>Pānga Riterite</b></p> <p>Kaupae 5 Whanaketanga 2e</p> $\frac{3}{4} = \frac{1}{4} \times 3$	<p>Whakaaturia te rapanga mō tēnei pātai, ka pānui ai.</p> <p>Tohua te pikitia tuatahi:  <b>“Koia nei te kotahi hauwhā o tētahi tapawhā hāngai.</b></p> <p>Tohua te pikitia tuarua:  <b>“Nō reira he aha tēnei hautanga o taua tapawhā hāngai?”</b></p>	<p>Mēnā ka whakamahia he rautaki wāwāhi tau:</p> <ul style="list-style-type: none"> <li>• Kei te Kaupae 5 o te Mahere Tau, mō te pānga riterite, kei tua atu rānei.</li> <li>• Kei te Taumata 2e o Ngā Whanaketanga.</li> </ul> <p>Haere tonu ki te Pātai 9.</p>	<p>E toru o ēnei e rite ana ki tēnei. Kotahi hauwhā, rua hauwhā, toru hauwhā. Nō reira koinei te toru hauwhā o te tapawhā hāngai.</p> <p>E toru whakareatanga te rahi ake o tēnei i tēnei. Nō reira mēnā ko te <math>\frac{1}{4}</math> tēnei, ko te <math>\frac{3}{4}</math> tēnei.</p>
Patai 9	<p><b>Tāpiri/Tango</b></p> <p>Kaupae 6 Whanaketanga 3a</p> $366 - 122$	<p>Whakaaturia te rapanga mō tēnei pātai, ka pānui ai.</p> <p><b>“E \$366 kei roto i te pūtea a Māia. \$122 kei roto i te pūtea a Tū. E hia tāra te rahinga ake o te pūtea a Māia i te pūtea a Tū?”</b></p>	<p>Mēnā ka whakamahia he rautaki wāwāhi tau:</p> <ul style="list-style-type: none"> <li>• Kei te Kaupae 6 (tōmua) o te Mahere Tau, mō te tāpiri me te tango, kei tua atu rānei.</li> <li>• Kei te Taumata 3a o Ngā Whanaketanga.</li> </ul> <p>Haere tonu ki te Pātai 10.</p>	$366 - 100 = 266; 266 - 22 = 244, \text{ nō reira } 366 - 122 = 244$ $122 + 200 = 322; 322 + 44 = 366, \text{ nō reira } 122 + 244 = 366$ $122 = \frac{1}{3} \text{ o te } 366. \text{ Nō reira ko te } 122 \times 2 = 244, \text{ koirā te } \frac{2}{3} \text{ o te } 366$
Patai 10	<p><b>Whakarea/Whakawehe</b></p> <p>Kaupae 6 Whanaketanga 3a</p> $13 \times 7$	<p>Whakaaturia te rapanga mō tēnei pātai, ka pānui ai.</p> <p><b>“\$13 te utu mō tētahi pukapuka kotahi. E hia te utu mō te whitu o ēnei pukapuka?”</b></p>	<p>Mēnā ka whakamahia he rautaki wāwāhi tau:</p> <ul style="list-style-type: none"> <li>• Kei te Kaupae 6 (tōmua) o te Mahere Tau, mō te whakarea me te whakawehe, kei tua atu rānei.</li> <li>• Kei te Taumata 3a o Ngā Whanaketanga.</li> </ul> <p>Haere tonu ki te Pātai 11.</p>	$(10 \times 7) + (3 \times 7) = 70 + 21 = 91$ $12 \times 7 = 84; 84 + 7 = 91$ $7 \times 7 = 49, \text{ nō reira } 14 \times 7 = 98; 98 - 7 = 91$
Patai 11	<p><b>Pānga Riterite</b></p> <p>Kaupae 6 Whanaketanga 3a</p> $\frac{1}{2} \text{ o te } 36 < \frac{1}{4} \text{ o te } 80$	<p>Whakaaturia te rapanga mō tēnei pātai, ka pānui ai.</p> <p><b>“E \$36 te pūtea a Tama. E \$80 te pūtea a Hine. Ka pau i a Tama te haurua o tana pūtea. Ka pau i a Hine te hauwhā o tana pūtea. Nā wai te whakapaunga moni nui rawa atu?”</b></p>	<p>Mēnā ka whakamahia he rautaki pānga riterite:</p> <ul style="list-style-type: none"> <li>• Kei te Kaupae 6 (tōmua) o te Mahere Tau, mō te pānga riterite, kei tua atu rānei.</li> <li>• Kei te Taumata 3a o Ngā Whanaketanga.</li> </ul> <p>Haere tonu ki te Pātai 12.</p>	$(36 \div 2) = (20 \div 2) + (16 \div 2) = 10 + 8 = 18$ $80 \div 4 = 20$ <p>Nō reira he nui ake te <math>\frac{1}{4}</math> o te pūtea a Hine.</p>

Patai 12	<p><b>Tāpiri/Tango</b></p> <p>Kaupae 6 Whanaketanga 3e</p> <p><math>\square + 148 = 176</math></p>	<p>Whakaaturia te rapanga mō tēnei pātai, ka pānui ai.</p> <p><b>“Ka whakaurua e Hema te \$148 ki tana pūtea pēke. Ka piki te tapeke o tana pūtea ki te \$176. E hia tāra i roto i tana pūtea i te tīmatanga?”</b></p>	<p>Mēnā ka whakamahia he rautaki wāwāhi tau:</p> <ul style="list-style-type: none"> <li>• Kei te Kaupae 6 o te Mahere Tau, mō te tāpiri me te tango, kei tua atu rānei.</li> <li>• Kei te Taumata 3e o Ngā Whanaketanga.</li> </ul> <p>Haere tonu ki te Pātai 13.</p>	<p><math>176 - 146 = 30</math>; <math>30 - 2 = 28</math></p> <p><math>148 + 2 = 150</math>; <math>150 + 26 = 176</math>, nō reira, <math>148 + 28 = 176</math></p> <p><math>(100 - 100) + (70 - 40) + (6 - 8) = 30 - 2 = 28</math></p>
Patai 13	<p><b>Whakarea/Whakawehe</b></p> <p>Kaupae 6 Whanaketanga 3e</p> <p><math>2.4 \times 5</math></p>	<p>Whakaaturia te rapanga mō tēnei pātai, ka pānui ai.</p> <p><b>“E 2.4 manokaramu (kg) te taumaha o tētahi pukapuka kotahi. E hia manokaramu (kg) te taumaha o ētahi o ēnei pukapuka e rima?”</b></p>	<p>Mēnā ka whakamahia he rautaki wāwāhi tau me ngā meka whakarea:</p> <ul style="list-style-type: none"> <li>• Kei te Kaupae 6 o te Mahere Tau, mō te whakarea me te whakawehe, kei tua atu rānei.</li> <li>• Kei te Taumata 3e o Ngā Whanaketanga.</li> </ul> <p>Haere tonu ki te Pātai 14.</p>	<p><math>2 \times 5 = 10</math>; <math>0.4 \times 5 = 2.0</math>, nō reira <math>2.4 \times 5 = 12</math></p> <p><math>2.4 \times 10 = 24</math>; <math>\frac{1}{2}</math> o te <math>24 = 12</math></p>
Patai 14	<p><b>Pānga Riterite</b></p> <p>Kaupae 6 Whanaketanga 3e</p> <p><math>4:32 = 12:\square</math></p>	<p>Whakaaturia te rapanga mō tēnei pātai, ka pānui ai.</p> <p><b>“E 4 ngā pouaka hei kawē i ngā ipu wai 32. E hia ngā ipu wai katoa mēnā 12 ngā pouaka?”</b></p>	<p>Mēnā ka whakamahia he rautaki pānga riterite:</p> <ul style="list-style-type: none"> <li>• Kei te Kaupae 6 o te Mahere Tau, mō te pānga riterite, kei tua atu rānei.</li> <li>• Kei te Taumata 3e o Ngā Whanaketanga.</li> </ul> <p>Haere tonu ki te Pātai 15.</p>	<p><math>32 \div 4 = 8</math> (e 8 ngā ipu ki te pouaka kotahi); <math>8 \times 12 = 96</math>, nō reira e 96 ngā ipu katoa</p> <p><math>4 \times 3 = 12</math> (e 3 te whakareatanga ake o ngā pouaka); <math>32 \times 3 = 96</math> (e 3 hoki te whakareatanga ake o ngā ipu)</p>
Patai 15	<p><b>Tāpiri/Tango</b></p> <p>Kaupae 7 Whanaketanga 4a</p> <p><math>2.4 + 6.32</math></p>	<p>Whakaaturia te rapanga mō tēnei pātai, ka pānui ai.</p> <p><b>“Ka whakaranua te 2.4 rita wai ārani me te 6.32 rita wai māori. E hia rita te rōrahi o te katoa o te wai?”</b></p>	<p>Mēnā ka whakamahia he rautaki wāwāhi tau:</p> <ul style="list-style-type: none"> <li>• Kei te Kaupae 7 (tōmua) o te Mahere Tau, mō te tāpiri me te tango, kei tua atu rānei.</li> <li>• Kei te Taumata 4a o Ngā Whanaketanga.</li> </ul> <p>Haere tonu ki te Pātai 16.</p>	<p><math>(2 + 6) + (0.4 + 0.3) + 0.02 = 8.72</math></p> <p><math>2.4 + 6 = 8.4</math>; <math>8.4 + 0.3 = 8.7</math>; <math>8.7 + 0.02 = 8.72</math></p>
Patai 16	<p><b>Whakarea/Whakawehe</b></p> <p>Kaupae 7 Whanaketanga 4a</p> <p><math>54 \div 4</math></p>	<p>Whakaaturia te rapanga mō tēnei pātai, ka pānui ai.</p> <p><b>“E 54 ngā tamariki, ka wehea ki ētahi kapa e 4. Tokohia ngā tamariki ki ia kapa?”</b></p>	<p>Mēnā ka whakamahia he rautaki wāwāhi tau me ngā meka whakarea:</p> <ul style="list-style-type: none"> <li>• Kei te Kaupae 7 (tōmua) o te Mahere Tau, mō te whakarea me te whakawehe, kei tua atu rānei.</li> <li>• Kei te Taumata 4a o Ngā Whanaketanga.</li> </ul> <p>Haere tonu ki te Pātai 17.</p>	<p><math>40 \div 4 = 10</math>; <math>12 \div 4 = 3</math>, nō reira <math>52 \div 4 = 13</math>. 13 ngā tamariki ki ia kapa, e 2 e toe ana.</p> <p><math>54 \div 4 = 27 \div 2 = 13 \frac{1}{2}</math>, nō reira 13 ngā tamariki ki ētahi kapa e rua, 14 ngā tamariki ki ētahi kapa e rua</p> <p><math>4 \times 10 = 40</math>; <math>4 \times 3 = 12</math>, nō reira <math>4 \times 13 = 52</math>, tokorua ngā tamariki e toe ana</p>

Patai 17	<p><b>Pānga Riterite</b> Kaupae 7 Whanaketanga 4a 60% o te 30</p>	<p>Whakaaturia te rapanga mō tēnei pātai, ka pānui ai.</p> <p><b>“E 30 ngā maka pātea a Tāwhiri. Ū tonu te 60 ōrau (60%) o ana maka pātea. E hia ana maka pātea i ū?”</b></p>	<p>Mēnā ka whakamahia he rautaki pānga riterite:</p> <ul style="list-style-type: none"> <li>• Kei te Kaupae 7 (tōmua) o te Mahere Tau, mō te pānga riterite, kei tua atu rānei.</li> <li>• Kei te Taumata 4a o Ngā Whanaketanga.</li> </ul> <p>Haere tonu ki te Pātai 18.</p>	<p><math>10\%</math> o te 30 = 3, nō reira <math>60\%</math> o te 30 = <math>3 \times 6 = 18</math></p> <p><math>50\%</math> o te 30 = 15; <math>10\%</math> o te 30 = 3; <math>15 + 3 = 18</math></p> <p><math>60\% = \frac{3}{5}</math>; <math>\frac{1}{5}</math> o te 30 = 6, nō reira <math>\frac{3}{5}</math> o te 30 = <math>6 \times 3 = 18</math></p>
Patai 18	<p><b>Tāpiri/Tango</b> Kaupae 7/8 Whanaketanga 4e 36 – 213</p>	<p>Whakaaturia te rapanga mō tēnei pātai, ka pānui ai.</p> <p><b>“E \$36 kei roto i te pūtea pēke a Māia. Ka tangohia e ia te \$213. E hia te tapeke o tana pūtea ināianei?”</b></p>	<p>Mēnā ka whakamahia he rautaki wāwāhi tau:</p> <ul style="list-style-type: none"> <li>• Kei te Kaupae 7 o te Mahere Tau, mō te tāpiri me te tango, kei tua atu rānei.</li> <li>• Kei te Taumata 4e o Ngā Whanaketanga.</li> </ul> <p>Haere tonu ki te Pātai 19.</p>	<p><math>36 - 136 = -100</math>; <math>-100 - 4 = -104</math>; <math>-104 - 60 = -164</math>; <math>-164 - 10 = -174</math>; <math>-174 - 3 = -177</math>, hui katoa, <math>36 - 213 = -177</math></p> <p><math>213 - 36 = 213 - 13 - 20 - 3 = 200 - 20 - 3 = 180 - 3 = 177</math>, nō reira \$177 tōraro kei tana pūtea</p> <p><math>36 - 213 = 23 - 200 = -177</math></p> <p><math>36 - 36 = 0</math>; <math>213 - 36 \rightarrow 213 - 33 = 180</math>; <math>180 - 3 = 177</math>; <math>0 - 177 = -177</math></p>
Patai 19	<p><b>Whakarea/Whakawehe</b> Kaupae 7/8 Whanaketanga 4e 0.27 x 8</p>	<p>Whakaaturia te rapanga mō tēnei pātai, ka pānui ai.</p> <p><b>“E 8 ngā kapu wai ārani, 0.27 rita (0.27l) te rōrahi o ia kapu. E hia rita te rōrahi wai ārani kei ngā kapu e 8 katoa?”</b></p>	<p>Mēnā ka whakamahia he rautaki wāwāhi tau me ngā meka whakarea:</p> <ul style="list-style-type: none"> <li>• Kei te Kaupae 7 o te Mahere Tau, mō te whakarea me te whakawehe, kei tua atu rānei.</li> <li>• Kei te Taumata 4e o Ngā Whanaketanga.</li> </ul> <p>Haere tonu ki te Pātai 20.</p>	<p><math>0.27 \times 2 = 0.54</math>; <math>0.54 \times 2 = 1.08</math>; <math>1.08 \times 2 = 2.16</math> rita</p> <p><math>0.27 \times 8 = (0.2 \times 8) + (0.07 \times 8) = 1.6 + 0.56 = 2.16</math> rita</p> <p><math>0.27 \times 8 = (0.3 \times 8) - (0.03 \times 8) = 2.4 - 0.24 = 2.16</math> rita</p> <p><math>0.27 \times 8 = (0.25 \times 8) + (0.02 \times 8) = 2.0 + 0.16 = 2.16</math> rita</p>
Patai 20	<p><b>Pānga Riterite</b> Kaupae 7/8 Whanaketanga 4e <math>18:10 = \square:6</math></p>	<p>Whakaaturia te rapanga mō tēnei pātai, ka pānui ai.</p> <p><b>“\$18 te utu mō te 10 manokaramu (10kg) āporo. E hia te utu mō te 6 manokaramu (6kg)?”</b></p>	<p>Mēnā ka whakamahia he rautaki pānga riterite:</p> <ul style="list-style-type: none"> <li>• Kei te Kaupae 7 o te Mahere Tau, mō te pānga riterite, kei tua atu rānei.</li> <li>• Kei te Taumata 4e o Ngā Whanaketanga.</li> </ul>	<p><math>18 \div 10 = 1.8</math>, nō reira \$1.80 mō te 1kg; <math>1.8 \times 6 = 10.8</math>, nō reira \$10.80 te utu mō te 6kg</p> <p>\$9 mō te 5kg, \$1.80 mō te 1kg, nō reira \$10.80 mō te 6kg</p>