Ngā Whāinga Paetae: **Te Tau, Taumata 3**

Mahere Tau	0	1	2	3	4	5	6	7	8

3.1 (Mātauranga Tau)

Ka mōhio ki ngā tauoti 0–1,000,000: te whakaingoa i ngā tohutau; ngā momo raupapa tatauranga tauoti; ngā meka matua mō te tāpiri, te tango me te whakarea; te whakaawhiwhi tauoti, tau ā-ira hoki ki te 1, te 10 te 100 rānei e pātata ana; ngā tikanga uara tū o ngā tauoti me ngā tau ā-ira (kia 3 ngā mati ā-ira); te maha o ngā haurau, ngā hautekau, ngā tahi, ngā tekau, ngā rau me ngā mano kei roto i tētahi tau; te rahi me te hanga o tētahi tau.

3.3 (Rautaki Tau)

Ka kōwhiri, ka whakamārama i te rautaki e tino whaihua ana hei whakaoti rapanga e whai wāhi mai ana te tauoti, te hautau, te tau ā-ira me te ōrau: rautaki tatau; rautaki whakarōpū; rautaki tohatoha ōrite; rautaki tāpiripiri, rautaki whakarea māmā.

3.4 (Rautaki Tau)

Ka mārama ki te whaitakenga o te otinga o tētahi rapanga.

Te Mātauranga	Ngā Rauemi e Hāngai ana
Ka mōhio ki ngā rōpū o te 2, o te 3, o te 5, me te 10 kei roto i ngā tau, tae atu ki te 100, me ngā toenga ka hua mai.	*TPT, Pukapuka 4:* • Tatau Māwhitiwhiti i te Rārangi Tau (wh.8) • Ararā! (wh.9) • Tātaitai (wh.15) • Te Whakarea hei Whakaoti Whakawehenga (wh.116)
Ka whakaputa wawe i ngā meka whakarea mō te 2, te 3, te 5 me te 10.	*TPT, Pukapuka 4:* • Whiriwhiria te Paheko (wh.112) • Whakareatia (wh.113) • He Ara Paheko Tau (wh.114) • Whārite Whakareatanga (wh.118) *He Tau Anō Te Tau: Ngā Meka Matua, Taumata 2-3:* • Hoki Ana ki te Kāinga (wh.11) • Pū Ono (wh.24) *He Tau Anō Te Tau: Ngā Meka Matua, Taumata 3:* • Kei te Mataono te Kōrero (wh.20) *He Tau Anō Te Tau: Ngā Meka Matua, Taumata 3-4:* • Te Tautuhi Tauwehe (wh.12) • E Hia ngā Tauwehe? (wh.15) • He Whakawhiti ki Kō (wh.16)
Ka mōhio ki ngā rōpū o te 10 me te 100 kei roto i tētahi tau matiwhā.	*TPT, Pukapuka 4:* • Whakawhitia ngā Paparanga Uara Tū (wh.88)
Ka mōhio ki ngā meka pūrua, tae atu ki te 10 × 10 = 100.	
Ka tuhia he whārite, he pikitia hoki hei whakaatu i ngā whiriwhiringa ā-hinengaro, hei whakaoti whakareatanga, whakawehenga hoki.	

Ngā Rautaki	Te Panuku o ngā Rapanga	Ngā Rauemi e Hāngai ana
Ka whakamahia te 'āhuatanga tātai tohatoha' me ngā meka whakarea mō te 5 hei whakaputa i ngā meka whakarea mō te 6, te 7, me te 4.	$2 \times 5 = \square$, nō reira: $2 \times 6 = \square$, $2 \times 7 = \square$ $4 \times 5 = \square$, nō reira: $4 \times 6 = \square$, $4 \times 7 = \square$ $6 \times 5 = \square$, nō reira: $6 \times 6 = \square$, $6 \times 7 = \square$ $9 \times 5 = \square$, nō reira: $9 \times 6 = \square$, $9 \times 7 = \square$ $20 \times 5 = \square$, nō reira: $20 \times 6 = \square$, $20 \times 7 = \square$	*TPT, Pukapuka 6:* • Ngā kōrero whakataki mō te Kaupae 5–6 (wh.41) • Whakareatia ki te Rima (wh.47) • Parematatia (wh.54)
Ka whakamahia te 'āhuatanga tātai tohatoha' me ngā meka whakarea mō te 10 hei whakaputa i ngā meka whakarea mō te 9.	$10 \times 2 = \square$, nō reira, $9 \times 2 = \square$ $10 \times 9 = \square$, nō reira, $9 \times 9 = \square$ $10 \times 6 = \square$, nō reira, $9 \times 6 = \square$ $9 \times 3 = 30 - \square = \square$ $9 \times 8 = 80 - \square = \square$ $9 \times 5 = 50 - \square = \square$ $20 \times 2 = \square$, nō reira, $19 \times 2 = \square$ $100 \times 4 = \square$, nō reira, $99 \times 4 = \square$	*TPT, Pukapuka 6:* • Parematatia (wh.54)
Ka whakamahia te 'āhuatanga tātai kōaro' o te whakarea hei whakamāmā i te whakareatanga. Hei tauira: $3 \times 26 = 26 \times 3$		*TPT, Pukapuka 6:* • Te Huri Kōaro i te Whakareatanga (wh.58) *He Tau Anō Te Tau: Ngā Tau, Taumata 2-3:* • Waka Rererangi Rerekē (wh.14) *He Tau Anō Te Tau: Ngā Meka Matua, Taumata 2-3:* • Kua Pau te Wā (wh.8)
Ka whiriwhiria te maha o ngā tahi, ngā tekau, ngā rau me ngā mano kei roto i tētahi tauoti.		*TPT, Pukapuka 6:* • Moni Whakawhitiwhiti (wh.43)
Ka whakamahia te 'āhuatanga tātai tohatoha', me ngā meka rearua hei whakaputa i ngā meka whakarea mō te 3, te 4, te 6 me te 8.	$5 \times 2 = \square$, nō reira, $5 \times 4 = \square$, $4 \times 5 = \square$ $6 \times 2 = \square$, nō reira, $6 \times 3 = \square$, $6 \times 4 = \square$, $6 \times 6 = \square$, $6 \times 8 = \square$ $8 \times 2 = \square$, nō reira, $8 \times 3 = \square$, $8 \times 4 = \square$, $8 \times 6 = \square$, $8 \times 8 = \square$ $25 \times 2 = \square$, nō reira, $25 \times 3 = \square$, $25 \times 4 = \square$, $25 \times 8 = \square$	*He Tau Anō Te Tau: Ngā Meka Matua, Taumata 3:* • He Panga Tauwehe (wh.11) • Te Whetū Taparau (wh.12) • He Whakaata Rau (wh.21)

Ka whakaoti whakareatanga ki te tau ngahuru, ki te tau rau, ki te tau mano, ki ētahi atu taupūtanga hoki o te 10.	$10 \times 5 = \square$, $20 \times 5 = \square$, $40 \times 5 = \square$ $10 \times 8 = \square$, $20 \times 8 = \square$, $30 \times 8 = \square$ $10 \times 6 = \square$, $30 \times 6 = \square$, $60 \times 6 = \square$ $100 \times 4 = \square$, $200 \times 4 = \square$, $400 \times 4 = \square$ $100 \times 3 = \square$, $400 \times 3 = \square$, $900 \times 3 = \square$	*TPT, Pukapuka 6:* • Whakareatia ki te Tekau (wh.51) *He Tau Anō Te Tau: Te Tau, Taumata 3:* • Tokohia ka Ō (wh.4) • Te Tau Tekau (wh.8)
Ka huri kōaro i ngā meka whakareatanga hei whakaoti rapanga tohatoha.	$9 \times 4 = \square$, nō reira: Tohaina te 36 kia 4 ngā rōpū. Kia 2 ngā rōpū. $10 \times 6 = \square$, nō reira: Tohaina te 60 kia 10 ngā rōpū. Kia 5 ngā rōpū. Kia 20 ngā rōpū. $8 \times 3 = \square$, nō reira: Tohaina te 24 kia 3 ngā rōpū. Kia 6 ngā rōpū. $8 \times 8 = \square$, nō reira: Tohaina te 64 kia 8 ngā rōpū. Kia 4 ngā rōpū. Kia 16 ngā rōpū. $8 \times 9 = \square$, nō reira: Tohaina te 72 kia 3 ngā rōpū. Kia 18 ngā rōpū.	*TPT Pukapuka 6:* • Hurihia te Whakawehenga hei Whakareatanga (wh.67) *He Tau Anō Te Tau: Ngā Tau, Taumata 2-3:* • Ngeru Nanakia (wh.15) • Ka Pai te Peke Haere (wh.16)
Ka huri kōaro i ngā meka whakareatanga hei whiriwhiri i te maha o ngā rōpū ōrite kei roto i tētahi tau.	$8 \times 5 = \square$, nō reira: E hia ngā rōpū o te 8 kei roto i te 40? Ngā rōpū o te 2? Ngā rōpū o te 4? $7 \times 6 = \square$, nō reira: E hia ngā rōpū o te 6 kei roto i te 42? Ngā rōpū o te 7? Ngā rōpū o te 3? Ngā rōpū o te 14? $4 \times 9 = \square$, nō reira: E hia ngā rōpū o te 8 kei roto i te 36? Ngā rōpū o te 3? Ngā rōpū o te 12?	*TPT, Pukapuka 6:* • Peke Roa (wh.62) *He Tau Anō Te Tau: Ngā Meka Matua, Taumata 2-3:* • Hoki Ana ki te Kāinga (wh.11)
Ka kōwhiria te maha o ngā rautaki ā-hinengaro hei whakaoti rapanga tāpiri, rapanga tango, rapanga whakarea, rapanga whakawehe hoki.		*He Tau Anō Te Tau: Te Tau, Pukapuka Tuatahi, Taumata 2:* • He Moni Pūkoro (wh.15) • A Keri te Kurī (wh.19) *He Tau Anō Te Tau: Ngā Meka Matua, Taumata 2-3:* • 31, Kore Rānei (wh.4)