

Ngā Whāinga Paetae: Te Tau, Taumata 3

Mahere Tau	0	1	2	3	4	5	6	7	8
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3.1 (Mātauranga Tau)

Ka mōhio ki ngā tauoti 0–1,000,000: te whakaingoa i ngā tohuta; 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.

3.2 (Mātauranga Tau)

Ka mōhio ki ngā hautau (tae atu ki ngā hautau nui ake i te kotahi) me ngā tau ā-ira: te raupapa hautau (hautau waetahi), tau ā-ira hoki; ngā raupapa tatauranga hautau, tau ā-ira hoki (hautekau, haurau).

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 tata; 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 tau ā-ira, tae atu kia toru ngā mati ā-ira.	<p><i>TPT, Pukapuka 4:</i></p> <ul style="list-style-type: none"> • Ararā! (wh.9) • Kāri Pere (wh.11) • Whakaaturia ki te Rārangi Tau (wh.18) • He Aha te Tau? (wh.19) • Kōwhiuwhiu Tau (wh.36) • He Whare Uara Tū (wh.38) • Te Hautanga ā-Ira (wh.63) • Te Moni me te Hautanga ā-Ira (wh.67) <p><i>He Tau Anō Te Tau: Ngā Tau, Taumata 2-3:</i></p> <ul style="list-style-type: none"> • Me Ohu te Mahi (wh.24)
Ka mōhio ki ngā tohu hautanga katoa, pērā i ngā hautekau, ngā haurau, ngā haumano, me ngā hautau nui ake i te kotahi.	<p><i>TPT, Pukapuka 4:</i></p> <ul style="list-style-type: none"> • He Aho Pirepire (wh.23) • He Wehenga Hautanga (wh.54) • Te Hautau ki te Papa Tīrau 1 (wh.56) • Te Hautau ki te Papa Tīrau 2 (wh.58) • Ngā Hautau Waetahi-kore (wh.59) • He Pākete Rare (wh.60)
Ka mōhio ki ngā tatauranga hautau, whakamua, whakamuri hoki, mawhiti-haurua, -hauwhā, -hautoru, -haurima, -hautekau.	<p><i>TPT, Pukapuka 4:</i></p> <ul style="list-style-type: none"> • Tatau Māwhitiwhiti i te Rārangi Tau (wh.8) • Ararā! (wh.9)
Ka mōhio ki ngā tatauranga hautanga ā-ira, whakamua, whakamuri hoki, mawhiti-hautekau, -haurau.	

Ka mōhio ki te raupapa hautau waetahi.	<p><i>TPT, Pukapuka 4:</i></p> <ul style="list-style-type: none"> • Raupapahia ngā Kāri (wh.10) • Kei a Wai te Keke Nui? (wh.42) • Ngā Hautanga ki te Rārangi Tau (wh.46) 	
Ka whakaawhiwhi tau ā-ira (tae atu kia rua ngā mati ā-ira) ki te tauoti e pātata ana.	<p><i>He Tau Anō Te Tau: Te Tau, Taumata 3:</i></p> <ul style="list-style-type: none"> • Te Whakaawhiwhi (wh.17) 	
Ngā Rautaki	Te Panuku o ngā Rapanga	Ngā Rauemi e Hāngai ana
<p>Ka whakamahia ngā meka whakarea, whakawehe hoki hei whiriwhiri i te hautanga o tētahi tau. Hei tauira:</p> <p>$\frac{1}{3}$ o te 21 = 7 nā te mea $7 \times 3 = 21$.</p>	<p>$\frac{1}{4}$ o te 24 = <input type="checkbox"/></p> <p>$\frac{1}{5}$ o te 40 = <input type="checkbox"/></p> <p>$\frac{1}{3}$ o te 27 = <input type="checkbox"/></p> <p>$\frac{3}{4}$ o te 20 = <input type="checkbox"/></p> <p>$\frac{2}{5}$ o te 30 = <input type="checkbox"/></p> <p>$\frac{3}{10}$ o te 100 = <input type="checkbox"/></p>	<p><i>TPT, Pukapuka 7:</i></p> <ul style="list-style-type: none"> • Ngā kōrero whakataki mō te Kaupae 5-6 (wh.39) • Keke Huritau (wh.42) <p><i>He Tau Anō Te Tau: Te Tau, Pukapuka Tuatahi, Taumata 2:</i></p> <ul style="list-style-type: none"> • He Reka ngā Kai (wh.20) <p><i>He Tau Anō Te Tau: Te Tau, Taumata 3:</i></p> <ul style="list-style-type: none"> • Te Reka Hoki! (wh.12) <p><i>He Tau Anō Te Tau: Te Tau, Taumata 3:</i></p> <ul style="list-style-type: none"> • Te Penapena Moni (wh.5) • Te Kai Pūngao (wh.23)
<p>Ka whakamahia te hangarite hei whiriwhiri i ngā hautanga o ngā āhua me ngā inenga roa, pērā i te porowhita, te tapawhā hāngai me te ngaku pepa.</p>	<p>Whakaaturia ēnei hautanga o tētahi āhua:</p> <p>$\frac{1}{4}, \frac{3}{4}, \frac{1}{8}, \frac{3}{8}, \frac{4}{8}, \frac{7}{8}, \frac{1}{16}, \frac{5}{16} \dots$</p> <p>Whakaaturia ēnei hautanga o tētahi āhua:</p> <p>$\frac{1}{3}, \frac{2}{3}, \frac{3}{3}, \frac{1}{6}, \frac{2}{6}, \frac{5}{6}, \frac{1}{12}, \frac{5}{12}, \frac{8}{12} \dots$</p> <p>Whakaaturia ēnei hautanga o tētahi āhua:</p> <p>$\frac{1}{5}, \frac{2}{5}, \frac{4}{5}, \frac{1}{10}, \frac{3}{10} \dots$</p>	<p><i>TPT, Pukapuka 7:</i></p> <ul style="list-style-type: none"> • Hautanga Tukutuku (wh.46) <p><i>He Tau Anō Te Tau: Te Tau, Taumata 2:</i></p> <ul style="list-style-type: none"> • Tēnā Whātua! (wh.22) <p><i>He Tau Anō Te Tau: Ngā Tau, Taumata 2-3:</i></p> <ul style="list-style-type: none"> • Kaua te Waka e Whakarērea (wh.23) • Te Wehewehe Parāoa Pokepoke (wh.22)
<p>Ka whakaoti rapanga whakawehe e whai toenga ana, me te whakaatu anō i aua toenga hei hautau.</p>	<p>$5 \div 2 = \square$</p> <p>$3 \div 4 = \square$</p> <p>$6 \div 8 = \square$</p> <p>$7 \div 4 = \square$</p> <p>$2 \div 3 = \square$</p>	<p><i>He Tau Anō Te Tau: Ngā Tau, Taumata 2-3:</i></p> <ul style="list-style-type: none"> • Me Ohu te Mahi (wh.24)
<p>Ka whiriwhiria he ōwehenga ōrite mā te tāruaruatanga.</p>	<p>$1:2 \rightarrow \square:4 \rightarrow 8:\square \dots$</p> <p>$2:3 \rightarrow \square:12 \rightarrow 20:\square \dots$</p>	<p><i>TPT, Pukapuka 7:</i></p> <ul style="list-style-type: none"> • Pēke Kākano (wh.50)

	$3:1 \rightarrow \square:7 \rightarrow 30:\square \dots$ $2:5 \rightarrow \square:25 \rightarrow 40:\square \dots$ $3:4 \rightarrow \square:16 \rightarrow 33:\square \dots$ $5:3 \rightarrow \square:15 \rightarrow 100:\square \dots$	
<p>Ka whiriwhiria te maha o ngā hautau waetahi kei roto i tētahi tauoti.</p> <p>Hei taurira:</p> <p>te maha o ngā $\frac{1}{4}$ kei roto i te 5 $\rightarrow 5 \div \frac{1}{4}$</p>	$3 \div \frac{1}{2} = \square$ $2 \div \frac{1}{5} = \square$ $4 \div \frac{1}{3} = \square$ $5 \div \frac{1}{10} = \square$ $10 \div \frac{1}{8} = \square$ $7 \div \frac{1}{100} = \square$	