

## Ngā Whāinga Paetae: Te Tau, Taumata 4

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

Ka mōhio ki ngā tikanga o: te tau tōraro me te tau tōrunga; te tau toitū; te ōwehenga; te uara tū o ngā tau ā-ira; te maha o ngā haumano, ngā haurau, ngā hautekau, ngā tahi, ngā tekau, ngā rau me ngā mano kei roto i tētahi tau ā-ira (tae atu kia 3 ngā mati ā-ira).

## 4.3 (Mātauranga Tau)

Ka mōhio ki te kimi mai i ngā taurea me ngā tauwehe o tētahi tau.

## 4.4 (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, te ōrau, te ōwehenga, te tau tōpū me te taupū māmā: rautaki tataau; rautaki tāpiripiri; rautaki whakarea; rautaki pānga riterite māmā.

## 4.6 (Rautaki Tau)

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

## Ngā Whāinga Paetae: Te Tau, Taumata 5

## 5.1 (Mātauranga Tau)

Ka mōhio ki ngā tikanga o te taupū me te tānga ngahuru.

## Te Mātauranga

Ka mōhio ki ngā taupū māmā o ngā tau, tae atu ki te 10. Hei tauira:

- $2^4 = 16$
- $5^3 = 125$

Ka mōhio ki ngā ture whakawehe mō te 2, te 3, te 4, te 5, te 6, te 8, te 9 me te 10. Hei tauira, ka whakawehe pū te 568 ki te 4 nā te mea ka whakawehe pū te 68 ki te 4.

Ka tautohu i ngā tauwehe nui rawa atu me ngā taurea iti rawa atu. Hei tauira, ko te 8 te tauwehe nui rawa atu o te 48 me te 64.

Ka mōhio ki te whakarea, ki te whakawehe hoki i tētahi tauoti, i tētahi tau ā-ira rānei, ki tētahi taupū o te 10. Hei tauira:

- $4.57 \times 100 = 457$
- $6.3 \div 0.9 = 7$

Ka whai i te hātepe ōkawa poto hei whakaoti whakareatanga, whakawehenga hoki e whai wāhi mai ana te tauoti me te tau ā-ira, ka whakamārama hoki i tēnei rautaki.

Ngā Rautaki	Te Panuku o ngā Rapanga	Ngā Rauemi e Hāngai ana
Ka whakamahia te taupū hei whakaoti rapanga whakarea, me ngā rapanga e whai wāhi mai ana te horahanga me te rōrahi.	$8 \times 16 = \square \rightarrow 2^3 \times 2^4 = 2^7$ $27 \times 243 = \square \rightarrow 3^3 \times 3^5 = 3^8$ $64^2 = \square \rightarrow 4^3 \times 4^3 = 4^6$ $8^2 = 64 \rightarrow \sqrt{64} = \square$	<i>TPT, Pukapuka 6:</i> • He Taupū (wh.112)  <i>TPT, Pukapuka 8:</i> • Te Pūrua (wh.80) • Te Pūtakerua (wh.82) • Te Pūtoru me te Pūtaketoru (wh.84)

	$30^2 = 900 \rightarrow \sqrt{900} = \square$ $5^3 = 125 \rightarrow \sqrt[3]{125} = \square$	<i>He Tau Anō Te Tau: Te Tau, Taumata 3-4:</i> <ul style="list-style-type: none"> <li>• He Tiroiro Taupū (wh.22)</li> </ul>
<p>Ka whakamahia te rautaki 'pahoko kōaro' hei whakaoti rapanga whakarea, rapanga whakawehe hoki. Hei tauira:</p> $263 \times \square = 456 \rightarrow 456 \div 263 = \square$	$6 \times \square = 222 \rightarrow 222 \div 6 = 37$ $\square \times 9 = 657 \rightarrow 657 \div 9 = 73$ $2.4 \times \square = 20.64 \rightarrow 20.64 \div 2.4 = 8.6$ $\square \times 0.63 = 23.184 \rightarrow 23.184 \div 0.63 = 36.8$	<i>TPT, Pukapuka 8:</i> <ul style="list-style-type: none"> <li>• Te Huri Kōaro i te Whakareatanga me te Whakawehenga (wh.26)</li> </ul>
<p>Ka whakatau tata hei tiroiro i te otinga o tētahi rapanga whakarea, rapanga whakawehe hoki.</p>	$48 \times 32 \approx 50 \times 30 = 1,500$ $196 \times 14 \approx 200 \times 14 = 2,800$ $2,718 \div 9 \approx 2,700 \div 10 = 27$ $3,283 \div 49 \approx 3,300 \div 50 = 4,966$ $7.7 \times 4.3 \approx 8 \times 4 = 32$ $57.6 \div 8.2 \approx 56 \div 8 = 7$ $591.61 \div 88.3 \approx 600 \div 90 \approx 7$	<i>TPT, Pukapuka 8:</i> <ul style="list-style-type: none"> <li>• Te Whakatau Tata hei Tiroiro i te Tika o te Whakareatanga (wh.28)</li> <li>• Te Whakatau Tata hei Tiroiro i te Tika o te Whakawehenga (wh.30)</li> </ul> <i>He Tau Anō Te Tau: Te Tau, Taumata 3:</i> <ul style="list-style-type: none"> <li>• Tokohia ka Ō? (wh.4)</li> </ul> <i>He Tau Anō Te Tau: Te Tau, Taumata 3-4:</i> <ul style="list-style-type: none"> <li>• Wehe ana i te Rekareka! (wh.18)</li> <li>• Kuhuna ki te Wāhi Tika (wh.19)</li> </ul>