

# Rautaki Tāpiri, Rautaki Tango HĀTEPE WHAKATEPOU

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E ako ana ahau ki te whakahāngai i te hātepe whakatepou hei whakaoti tangohanga āhua uaua nei.

## Hei Mahi 1

### Ngā tohutohu:

- 1) Whāia ngā hīkoi o te ‘hātepe whakatepou’ ka whakaoti ai i ngā tangohanga nei. Kia tika te āhua o te tuhituhi ki tō pukapuka.
- 2) I a koe e mahi ana, āta whakaarohia te taurira o roto i te ‘hātepe whakatepou’, ka whiriwhiri ai i tētahi huarahi poto. Whakamahia te huarahi poto nei hei whakaoti i ngā tangohanga e toe mai ana.
- 3) Whakamahia he tātaitai hei tiro tiro mēnā i tika ō whiriwhiringa.

1) 1000 <u>-123</u>	(2) 1000 <u>-345</u>	(3) 1000 <u>-567</u>
4) 1000 <u>-222</u>	(5) 1000 <u>-555</u>	(6) 1000 <u>-777</u>
7) 1000 <u>-521</u>	(8) 1000 <u>-413</u>	(9) 1000 <u>-434</u>
10) 1000 <u>-248</u>	(11) 1000 <u>-357</u>	(12) 1000 <u>-825</u>
13) 1000 <u>-649</u>	(14) 1000 <u>-854</u>	(15) 1000 <u>-687</u>
16) 1000 <u>-759</u>	(17) 1000 <u>-839</u>	(18) 1000 <u>-517</u>
19) 1000 <u>-398</u>	(20) 1000 <u>-599</u>	(21) 1000 <u>-999</u>
22) 1000 <u>-605</u>	(23) 1000 <u>-307</u>	(24) 1000 <u>-490</u>
25) 1000 <u>- 65</u>	(26) 1000 <u>- 47</u>	(27) 1000 <u>- 50</u>

- 28) Whakawhitiwhiti kōrero me tō kaiako mō te huarahi poto o te hātepe whakatepou. Tuhia kia rima ngā tangohanga mai i te 10 000 (pērā i te 10 000 – 4758) hei whakamātau i tō huarahi poto.

## Hei Mahi 2

### Ngā tohutohu:

Whāia te huarahi poto o te hātepe whakatepou hei whakaoti i ngā tangohanga nei. Mēnā ka āhua whakatikatika haere koe i te huarahi poto nei, me tuhi whamamārama.

1) 2000 <u>- 1234</u>	(2) 4000 <u>-2345</u>	(3) 6000 <u>- 4567</u>
4) 7000 <u>- 3549</u>	(5) 8000 <u>-2678</u>	(6) 9000 <u>- 4539</u>
7) 4000 <u>- 1351</u>	(8) 2000 <u>-1349</u>	(9) 9000 <u>-6235</u>
10) 8000 <u>-1605</u>	(11) 8000 <u>-3504</u>	(12) 5000 <u>- 2708</u>
13) 2000 <u>- 457</u>	(14) 4000 <u>- 389</u>	(15) 3000 <u>- 477</u>
16) 8000 <u>- 2350</u>	(17) 9000 <u>-3007</u>	(18) 2000 <u>- 1060</u>
19) 20,000 <u>- 12,345</u>	(20) 30,000 <u>- 15,574</u>	(21) 60,000 <u>- 43,007</u>

### Hei Mahi 3

#### Hei tauira:

E taea ana te 3454 te wāwāhi ki te 3000 + 454. Nō reira, ko tētahi rautaki hei whakaoti i te 3454 – 1679, ko ngā hīkoinga e rua nei:

3000	1321
<u>- 1679</u>	<u>+454</u>
1321	1775

#### Ngā tohutohu:

- 1) Whāia tēnei rautaki hei whakaoti i ngā tangohanga nei.
- 2) Whakamahia he tātaitai hei tiroiro mēnā i tika ō whiriwhiringa.

1) 3457	(2) 3215	(3) 5257
<u>- 1568</u>	<u>-1555</u>	<u>- 2369</u>
4) 6342	(5) 3827	(6) 5111
<u>- 3574</u>	<u>-1948</u>	<u>- 2659</u>
7) 6181	(8) 5355	(9) 4618
<u>-2534</u>	<u>-3267</u>	<u>- 2389</u>
10) 3471	(11) 5735	(12) 6769
<u>-1269</u>	<u>-4729</u>	<u>- 4475</u>
13) 5207	(14) 4056	(15) 8230
<u>-3087</u>	<u>-2906</u>	<u>- 3619</u>

### Hei Mahi 4

#### Ngā tohutohu:

Āta tiroirohia ngā tangohanga nei, ka whakatau ai mēnā e whaihua ana te rautaki o runga ake nei (Hei Mahi 3) hei whakaoti i aua tangohanga. Ki te kore e whaihua, me whakamārama he aha ai, ā, ka whiriwhiri i tētahi atu rautaki e whaihua ana.

1) 6000 - 5000	(2) 6457 - 2576	(3) 4001 - 3999
4) 4371 - 1629	(5) 3099 - 1347	(6) 3125 - 1786
7) 6500 - 459	(8) 3567 - 1234	(9) 6907 - 3846
10) 5280 - 671	(11) 8845 - 6249	(12) 5678 - 4136

- 13) Mēnā he maha ngā mati o ngā tau e tangohia ana, he māmā ake te tuhi whakatepou i te tangohanga, he māmā ake rānei te tuhi i ngā tau taha ki te taha? Whakamāramatia he aha ai, ka whakawhitiwhiti kōrero ai me tō kaiako.
- 14) Whakawhitiwhiti kōrero mō tētahi ingoa e hāngai ana mō tēnei rautaki tango.

## Hei Mahi 5: Te Tango Tau ā-Ira

### Ngā tohutohu:

Tūhuratia mēnā e whaihua ana ngā rautaki tango kua whakamahia e koe i Hei Mahi 1 – 5, hei whakaoti i ngā tangohanga tau ā-ira nei. Whakamātauria te huarahi poto o te ‘hātepe whakatepou’.

- |   |                             |                            |
|---|-----------------------------|----------------------------|
| 1) 1.00<br><u>-0.89</u>   | (2) 1.000<br><u>-0.669</u>  | (3) 1.000<br><u>-0.324</u> |
| 4) 3.00<br><u>-1.67</u>   | (5) 4.00<br><u>-2.81</u>    | (6) 7.00<br><u>-4.79</u>   |
| 7) 4.15<br><u>-0.67</u>   | (8) 3.65<br><u>-2.96</u>    | (9) 4.113<br><u>-2.759</u> |
| 10) 6.209<br><u>-3.514</u>  | (11) 7.41<br><u>-3.29</u>   | (12) 1.54<br><u>- 0.78</u> |
| 13) 17.40<br><u>- 6.59</u>  | (14) 226.1<br><u>- 8.43</u> | (15) 12.5<br><u>- 0.64</u> |
| 16) 6 - 1.451   | (17) 14 - 2.698             | (18) 22 - 17.84            |
| 19) 6.9 - 1.451   | (20) 14.8 - 2.698           | (21) 3.45 - 1.613          |
| 22) Whakamāramatia he aha i whaihua ai, he aha rānei i kore ai i whaihua ngā rautaki nei mō te tango tau ā-ira. Tuhia kia toru ngā tangohanga tau ā-ira e whaihua ai te huarahi poto o te hātepe whakatepou hei whakaoti. |                             |                            |

## Hei Mahi 6

E tino whaihua ana te whakamahi ‘tau tapeke māmā’ i ētahi rapanga maha. Hei tauira, ko te whakaatu raraunga ki tētahi tūtohi. Ka whakaaturia ngā raraunga taketake, me ngā ōrau. E tika ana kia 100% te tapeke o ngā ōrau.

- 1) E 77 ngā tāngata i uiuia, ko wai tō rātou tino tīma whutupōro. E whakaaturia ana ngā raraunga ki te tūtohi nei. He aha te ōrau e tika ana mō te tīma Ō-Pango, e eke ai te tapeke o ngā ōrau ki te 100%?

Pātai 1: Te tino tīma whutupōro						
Ō-Pango	Crusaders	Hurricanes	Āwherika ki te Tonga	Highlanders	Tīma kē atu	Tapeke
65/77 ( %)	4/77 (5.2%)	2/77 (2.6%)	2/77 (2.6%)	2/77 (2.6%)	2/77 (2.6%)	77/77 (100%)

He aha te tau hei tāpiri atu ki ngā ōrau e whai ake nei, kia eke te tapeke ki te 100%?

2) 34%  
5) 56.1%  
8) 77.4%

(3) 48.8%  
(6) 88.9%  
(9) 6.9%

(4) 75.4%  
(7) 40.75%  
(10) 6.37%

**Rautaki Tāpiri, Rautaki Tango**  
**HĀTEPE WHAKATEPOU**  
**NGĀ OTINGA**

**Hei Mahi 1**

1) 877	(2) 655	(3) 433	(4) 778
5) 445	(6) 223	(7) 479	(8) 587
9) 566	(10) 752	(11) 643	(12) 175
13) 351	(14) 146	(15) 313	(16) 241
17) 161	(18) 483	(19) 602	(20) 401
21) 1	(22) 395	(23) 693	(24) 510
25) 935	(26) 953	(27) 950	

**Hei Mahi 2**

1) 766	(2) 1655	(3) 1433	(4) 3451
5) 5322	(6) 4461	(7) 2649	(8) 651
9) 2765	(10) 6395	(11) 4496	(12) 2292
13) 1543	(14) 3611	(15) 2523	(16) 5650
17) 5993	(18) 940	(19) 7655	(20) 14426
21) 16993			

**Hei Mahi 3**

1) 1889	(2) 1660	(3) 2888	(4) 2768
5) 1879	(6) 2452	(7) 3647	(8) 2088
9) 2229	(10) 2202	(11) 1006	(12) 2294
13) 2120	(14) 1150	(15) 4611	

**Hei Mahi 4**

1) 1000	2) 3881	3) 2	4) 2742
5) 1752	(6) 1339	7) 6041	8) 2333
9) 3061	(10) 4609	(11) 2596	12) 1542

**Hei Mahi 5**

1) 0.11	(2) 0.334	(3) 0.674	(4) 2.33
5) 1.19	(6) 2.21	(7) 3.48	(8) 0.69
9) 1.354	(10) 2.695	(11) 4.12	(12) 0.76
13) 10.81	(14) 217.67	(15) 12.436	(16) 4.549
17) 11.302	(18) 4.16	(19) 5.449	(20) 12.102
21) 1.837			

**Hei Mahi 6**

1) 84.4%	(2) 64%	(3) 51.2%	(4) 24.6%
5) 43.9%	(6) 11.1%	(7) 59.25%	(8) 22.6%
9) 93.1%	(10) 93.63%		