

## Taumata 2: Te Tau me te Taurangi

### Ngohe 2: Tāpiritanga me te Tangohanga

Ka mahi takitahi, takirua rānei, ka mahi tahi ngā ākonga katoa rānei.

#### Te Whāinga Ako

Ko tā tēnei ngohe he āwhina i ngā ākonga ki te āhukahuka, ki te whakaraupapa hoki i ngā tauoti 1–100; ki te ako hoki i ngā meka matua o te tāpiritanga me te tangohanga mā te whakamahi i ngā rārangi tau.

#### Hei Mahi

##### He Tohutohu

- Whakaatuhia me pēhea te tāpiri me te tango i ngā 10 mā te tatau whakararo, tatau whakarunga hoki. Kia pēnei anō ki ngā 1 mā te tatau whakatematau, whakatemauī hoki.
- Kimihia he tauira tāpiritanga, he tauira tangohanga mā te pāwhiri i ngā otinga o ngā whārite e whai ake nei.  
4+9, 14+9, 24+9, 34+9, 64+9. Whakamāramatia te tauira e kite nei koutou.  
15-7, 25-7, 45-7, ā kō atu. Whakamāramatia ngā āhua ōriterite o ēnei otinga.  
Kimihia ētahi atu tauira e pēnei ana.
- Tākarohia te "Wharewhare"  
Whakamahia tēnei momo papa ā-rau.(link to the proper papa ā-rau display)  
Ko tā te kaiako he pānui i ngā whārite, ko tā ngā ākonga he pāwhiri i ngā otinga.  
Ina kapi katoa tētahi rārangi whakapae, tētahi rārangi poutū rānei ka karanga te ākonga "wharewhare", ā, kua toa ia.
- E whai ake nei he huinga whārite mō tētahi papa tapawhā "Wharewhare" 5x5, ka timata mai i te tau 1:

6 + 5	16 - 1	Kia 5 nui ake i te 40	19 - 6	Kia 3 iti iho i te 34
45 - 2	18 + 5	3 + 0	42 + 2	E hia ngā 10 kei roto i te 53
28 + 5	10 - 9	7 + 5	11 + 11	Te uara tū o te 4 kei roto i te 34
12 + 13	13 - 11	Kia 8 nui ake i te 6	21 + 21	Kia 10 iti iho i te 51

I tīkina ake i *Mātauranga Māori* <http://mataurangamaori.tki.org.nz/Support-materials/Pangarau/Te-Papa-a-Rau/Taumata-2-Te-Tau-me-te-Taurangi/Activity-2-Adding-and-Subtracting>

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$31 + 4$	$12 + 12$	$25 - 4$	$16 + 16$	Kia 6 iti iho i te 40
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E whai ake nei he huinga rapanga mō tētahi papa tapawhā 5x5, ka tīmata mai i te 15.

$13 + 13$	$7 + 8$	Kia 9 nui ake i te 8	$20 + 18$	Kia 3 iti iho i te 40
$50 - 3$	$54 + 5$	Kia 5 iti iho i te 60	$51 + 6$	$12 + 13$
$41 + 5$	$46 - 9$	$38 + 7$	$18 + 18$	$34 - 7$
$26 + 2$	$68 - 11$	Kia 6 nui ake i te 23	$9 + 7$	$13 + 5$
$42 + 6$	$12 + 7$	Kia 1 iti iho i te 50	$47 + 9$	Kia 7 nui ake i te 32

E whai ake nei he huinga rapanga mō tētahi papa tapawhā 5x5, ka tīmata mai i te 40.

$20 + 21$	$84 - 1$	Kia 3 nui ake i te 40	$80 - 40$	Kia 3 iti iho i te 66
$57 - 3$	$68 + 5$	$80 + 0$	$41 + 1$	Te uara tū o 6 Kei roto i te 68
$59 + 5$	$63 - 9$	$37 + 5$	$25 + 25$	$51 - 7$
$71 + 3$	$83 - 11$	Kia 8 nui ake i te 74	$20 + 50$	Kia 10 iti iho i te 61
$60 + 2$	$30 + 31$	$85 - 4$	$67 + 4$	Kia 6 iti iho i te 90

## Ngā Rauemi Whai Pānga

Te Reo Pāngarau <http://www2.nzmaths.co.nz/maori/dictionary/>

Poraka Uara Tū <http://www.nzmaths.co.nz/resource/poraka-uara-t>

Te Uara Tū <http://www.nzmaths.co.nz/resource/te-uara-t>

Tekau ngā Pōraka <http://www.nzmaths.co.nz/resource/tekau-ng-poraka>

I tīkina ake i *Mātauranga Māori* <http://mataurangamaori.tki.org.nz/Support-materials/Pangarau/Te-Papa-a-Rau/Taumata-2-Te-Tau-me-te-Taurangi/Activity-2-Adding-and-Subtracting>

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