Rautaki Tāpiri, Rautaki Tango
TĀPIRITANGA ŌRITE

E ako ana ahau i te rautaki 'tāpiritanga ōrite' hei whakamāmā i tētahi o ngā tau, e ngāwari ai te whakaoti tāpiritanga, tangohanga hoki.

Hei Mahi 1

Hei tauira:

Koia nei te rautaki a Keita hei whakaoti i te tangohanga 93 −38

Ka tāpirihia te 2 ki ia tau: 93 −38 = 95 − 40. Ka pūmau tonu te rahi ki waenganui i ēnei tau, engari he tau māmā te 40, he māmā noa iho te tango i te 40 mai i te 95. Arā: 93 −38 = 95 − 40 = 55

Ngā tohutohu:
1)   Whakamahia te rautaki 'tāpiritanga ōrite' hei whakaoti i ngā tangohanga e whai ake nei.
2)   I te tuatahi, me whakaoti te tangohanga i roto i tō hinengaro.
3)   Tuhia te tangohanga me te rautaki 'tāpiritanga ōrite' hei tirotiro mēnā i tika ō whiriwhiringa i tō hinengaro. Tuhia kia pērā i te tauira i runga ake nei.

1)   65 – 37 = ☐ - ○ = ◇   (2)   83 – 39 = ☐ - ○ = ◇

3)   77 – 28 = ☐ - ○ = ◇   (4)   54 – 9 = ☐ - ○ = ◇

5)   65 – 19 = ☐ - ○ = ◇   (6)   55 – 38 = ☐ - ○ = ◇

7)   74 – 56 = ☐ - ○ = ◇   (8)   91 – 78 = ☐ - ○ = ◇

9)   83 – 66 = ☐ - ○ = ◇   (10)   44 – 17 = ☐ - ○ = ◇

11)   73 – 45 = ☐ - ○ = ◇   (12)   94 – 69 = ☐ - ○ = ◇

13)   62 – 27 = ☐ - ○ = ◇   (14)   81 – 49 = ☐ - ○ = ◇

Hei Mahi 2 – Ngā Tau Mati-3

Ngā tohutohu:
1) Whakamahia te rautaki 'tāpiritanga ōrite' hei whakaoti i ngā tangohanga e whai ake nei.
2) I te tuatahi, me whakaoti te tangohanga i roto i tō hinengaro.
3) Tuhia te tangohanga me te rautaki 'tāpiritanga ōrite' hei tirotiro mēnā i tika ō whiriwhiringa i tō hinengaro. Tuhia kia pērā i te tauira o Hei Mahi 1.

1) $242 - 197 = \square - \bigcirc = \lozenge$
(2) $737 - 699 = \square - \bigcirc = \lozenge$

3) $477 - 380 = \square - \bigcirc = \lozenge$
(4) $641 - 570 = \square - \bigcirc = \lozenge$

5) $963 - 880 = \square - \bigcirc = \lozenge$
(6) $436 - 295 = \square - \bigcirc = \lozenge$

7) $871 - 399 = \square - \bigcirc = \lozenge$
(8) $525 - 290 = \square - \bigcirc = \lozenge$

9) $243 - 97 = \square - \bigcirc = \lozenge$
(10) $911 - 89 = \square - \bigcirc = \lozenge$

11) $378 - 96 = \square - \bigcirc = \lozenge$
(12) $717 - 294 = \square - \bigcirc = \lozenge$

13) $1908 - 497 = \square - \bigcirc = \lozenge$
(14) $2007 - 986 = \square - \bigcirc = \lozenge$

Hei Mahi 3 – Ngā Tau ā-Ira

Ngā tohutohu:
1) Whakamahia te rautaki 'tāpiritanga ōrite' hei whakaoti i ngā tangohanga e whai ake nei.
2) I te tuatahi, me whakaoti te tangohanga i roto i tō hinengaro.
3) Tuhia te tangohanga me te rautaki 'tāpiritanga ōrite' hei tirotiro mēnā i tika ō whiriwhiringa i tō hinengaro. Tuhia kia pērā i te tauira o Hei Mahi 1.

1) $7.4 - 3.8 = \square - \bigcirc = \lozenge$
(2) $9.2 - 2.7 = \square - \bigcirc = \lozenge$

3) $8.6 - 1.8 = \square - \bigcirc = \lozenge$
(4) $4.5 - 0.9 = \square - \bigcirc = \lozenge$

5) $5.6 - 2.7 = \square - \bigcirc = \lozenge$
(6) $6.5 - 4.6 = \square - \bigcirc = \lozenge$

7) $35.3 - 29.6 = \square - \bigcirc = \lozenge$
(8) $84.6 - 59.8 = \square - \bigcirc = \lozenge$

9) $6.85 - 3.90 = \square - \bigcirc = \lozenge$
(10) $8.53 - 2.7 = \square - \bigcirc = \lozenge$

11) $9.57 - 6.8 = \square - \bigcirc = \lozenge$
(12) $8.66 - 4.98 = \square - \bigcirc = \lozenge$

13) $5.67 - 3.95 = \square - \bigcirc = \lozenge$
(14) $6.45 - 0.94 = \square - \bigcirc = \lozenge$

Hei Mahi 4

Ngā tohutohu:
Tuhia te tangohanga, ka kī ai mēnā kei te TIKA, kei te HĒ rānei.

1) $56 - 38 = 58 - 40$

(2) $65 - 19 = 64 - 20$

3) $88 - 60 = 84 - 56$

(4) $85 - 40 = 87 - 38$

5) $945 - 780 = 965 - 800$

(6) $318 - 170 = 317 - 169$

7) $501 - 300 = 514 - 287$

(8) $375 - 100 = 367 - 92$

9) $7.37 - 3.8 = 7.39 - 4.0$

(10) $4.77 - 2 = 4.63 - 1.86$

11) $97 - 48 = 100 - 45$

(12) $63 - 27 = 60 - 24$

13) $254 - 78 = 260 - 84$

(14) $866 - 76 = 860 - 80$

Hei Mahi 5

Ngā tohutohu:
Tuhia te tau e tika ana ki te pouaka.

1) $65 - 37 = \square - 40$

(2) $83 - \square = 82 - 20$

3) $72 - \square = 77 - 60$

(4) $53 - 26 = \square - 30$

5) $883 - 700 = \square - 670$

(6) $\square - 200 = 524 - 185$

7) $\square - 80 = 578 - 85$

(8) $623 - 400 = 615 - \square$

9) $8.66 - 6.0 = 8.46 - \square$

(10) $5.76 - 2.87 = \square - 2.9$

11) $50 - \square = 56 - 38$

(12) $\square - 60 = 94 - 48$

13) $\square - 100 = 345 - 87$

(14) $877 - 88 = 880 - \square$

Hei Mahi 6

Ngā tohutohu:
Tuhia te kīanga e tika ana mō roto i ngā taiapa. Ko ngā pū (reta) hei tohu i tētahi tau. Tuhia te whārite ki tō pukapuka.

1) n – 38 = (.........) - 40   (2)   94 - (.........) = 90 - n

3)   81 - (.........) = 86 - y (4) p - 47 = (.........) - 60

5) g - 900 = (.........) - 600   (6)   (.........) - 300 = h - 275

7)   (.........) - 60 = k - 75   (8)   23 - f = 16 - (.........)

9)   8.7 - t = 9.0 - (.........)   (10) n - 3.6 = (.........) - 4.0

11)   50 - (.........) = 56 - d (12)   (.........) - 50 = z - 36

13)   (.........) - 100 = s - 79   (14)   88 - b = 80 - (.........)

Hei Mahi 7

Ngā tohutohu:
Tuhia te kīanga e tika ana mō ngā wāhi wātea i ngā whārite e whai ake nei. Ko ngā pū (reta) hei tohu i tētahi tau. Tuhia te whārite ki tō pukapuka.

1)   60 - (.........) = 66 - d (2)   94 - (.........) = 100 - x

3)   32 - (.........) = 40 - y (4)   43 - (.........) = 50 - z

5)   24 - (f - 8) = ... - f (6)   50 - (g - 25) = ... - g

7)   53 - (x - 7) = ... - x (8)   7 - (y - 13) = ... - y

9)   16 - (m - 17) = ...   (10)   72 - (n - 11) = ...

11)   56 - (p - 25) = ...   (12)   23 - (13 - y) = ...

13)   56 - (16 - d) = ...   (14)   100 - (50 - x) = ...

Whakamāramatia te rautaki māmā hei whakaoti i ēnei rapanga.

Hei Mahi 8

Ngā tohutohu:
Tuhia te kīanga e tika ana mō ngā wāhi wātea i ngā whārite e whai ake nei. Ko ngā pū (reta) hei tohu i tētahi tau. Tuhia te whārite ki tō pukapuka.

1) $64 - (\ldots\ldots) = 60 - n$

(2) $25 - (\ldots\ldots) = 20 - d$

3) $32 - (\ldots\ldots) = 24 - f$

(4) $43 - (\ldots\ldots) = 50 - g$

5) $24 - (h + 4) = \ldots\ldots - h$

(6) $100 - (p + 25) = \ldots\ldots - p$

7) $34 - (x + 4) = \ldots\ldots - x$

(8) $27 - (y + 13) = \ldots\ldots$

9) $85 - (x + 15) = \ldots\ldots$

(10) $63 - (x + 11) = \ldots\ldots$

11) $36 - (23 + p) = \ldots\ldots$

(12) $50 - (15 + m) = \ldots\ldots$

Whakamāramatia te rautaki māmā hei whakaoti i ēnei rapanga.

Rautaki Tāpiri, Rautaki Tango
TĀPIRITANGA ŌRITE
NGĀ OTINGA

Hei Mahi 1

1) $65 – 37 = 68 – 40 = 28$
(2) $83 – 39 = 84 – 40 = 44$
3) $77 – 28 = 79 – 30 = 49$
(4) $54 – 9 = 55 – 10 = 45$
5) $65 – 19 = 66 – 20 = 46$
(6) $55 – 38 = 57 – 40 = 17$
7) $74 – 56 = 78 – 60 = 18$
(8) $91 – 78 = 93 – 80 = 13$
9) $83 – 66 = 87 – 70 = 17$
(10) $44 – 17 = 47 – 20 = 27$
11) $73 – 45 = 78 – 50 = 28$
(12) $94 – 69 = 95 – 70 = 25$
13) $62 – 27 = 65 – 30 = 35$
(14) $81 – 49 = 82 – 50 = 32$

Hei Mahi 2

1) $242 – 197 = 245 – 200 = 45$
(2) $737 – 699 = 738 – 700 = 38$
3) $477 – 380 = 497 – 400 = 97$
(4) $641 – 570 = 671 – 600 - 71$
5) $963 – 880 = 983 – 900 = 83$
(6) $436 – 295 = 441 – 300 = 141$
7) $871 – 399 = 872 – 400 = 472$
(8) $525 – 290 = 535 – 300 = 235$
9) $243 – 97 = 246 – 100 = 146$
(10) $911 – 89 = 922 – 100 = 822$
11) $378 – 96 = 382 – 100 = 282$
(12) $717 – 294 = 723 – 300 = 423$
13) $1908 – 497 = 1911 – 500 = 1411$
(14) $2007 – 986 = 2021 – 1000 = 1021$

Hei Mahi 3

1) $7.4 – 3.8 = 7.6 – 4 = 3.6$
(2) $9.2 – 2.7 = 9.5 – 3 = 6.5$
3) $8.6 – 1.8 = 8.8 – 2 = 6.8$
(4) $4.5 – 0.9 = 4.6 – 1 = 3.6$
5) $5.6 – 2.7 = 5.9 – 3 = 2.9$
(6) $6.5 – 4.6 = 6.9 – 5 = 1.9$
7) $35.3 – 29.6 = 35.7 – 30 = 5.7$
(8) $84.6 – 59.8 = 84.8 – 60 = 24.8$
9) $6.85 – 3.90 = 6.95 – 4 = 2.95$
(10) $8.53 – 2.7 = 8.83 – 3 = 5.83$
11) $9.57 – 6.8 = 9.77 – 7 = 2.77$
(12) $8.66 – 4.98 = 8.68 –5 = 3.68$
13) $5.67 – 3.95 = 5.72 – 4 = 1.72$
(14) $6.45 – 0.94 = 6.51 – 1 = 5.51$

Hei Mahi 4

1)	TIKA	(2)	HĒ	(3)	TIKA	(4)	HĒ
5)	TIKA	(6)	TIKA	(7)	HĒ	(8)	TIKA
9)	HĒ	(10)	TIKA	(11)	HĒ	(12)	TIKA
13)	TIKA	(14)	HĒ				

Hei Mahi 5

1) 65 – 37 = **68** - 40
3) 72 – **55** = 77 – 60
5) 883 – 700 = **853** – 670
7) **573** – 80 = 578 – 85
9) 8.66 – 6.0 = 8.46 – **5.8**
11) 50 – **32** = 56 – 38
13) **358** – 100 = 345 – 87

(2) 83 – **21** = 82 - 20
(4) 53 – 26 = **57** – 30
(6) **539** – 200 = 524 – 185
(8) 623 – 400 = 615 – **392**
(10) 5.76 – 2.87 = **5.79** – 2.9
(12) **106** – 60 = 94 – 48
(14) 877 – 88 = 880 – **91**

Hei Mahi 6

1) n – 38 = (**n + 2**) - 40
3) 81 – (**y - 5**) = 86 – y
5) g – 900 = (**g – 300**) – 600
7) (**k - 15**) – 60 = k – 75
9) 8.7 – t = 9.0 – (**t + 0.3**)
11) 50 – (**d - 6**) = 56 – d
13) (**s + 21**) – 100 = s – 79

(2) 94 – (**n + 4**) = 90 - n
(4) p – 47 =   (**p + 13**) – 60
(6) (**h + 25**) – 300 = h – 275
(8) 23 – f = 16 – (**f - 7**)
(10) n – 3.6 = (**n + 0.4**) – 4.0
(12) (**z + 14**) – 50 = z – 36
(14) 88 – b = 80 – (**b - 8**)

Hei Mahi 7

1) 60 – (**d – 6**) = 66 – d
3) 32 – (**y – 8**) = 40 – y
5) 24 – (f – 8) = **32** – f
7) 53 – (x – 7) = **60** – x
9) 16 – (m – 17) = **33 - m**
11) 56 – (p – 25) = **81 - p**
13) 56 – (16 – d) = **40 + d**

(2) 94 – (**x – 6**) = 100 – x
(4) 43 – (**z – 7**) = 50 – z
(6) 50 – (g – 25) = **75** – g
(8) 7 – (y – 13) = **20** – y
(10) 72 – (n – 11) = **83 - n**
(12) 23 – (13 – y) = **10 + y**
(14) 100 – (50 – x) = **50 + x**

Hei Mahi 8

1) 64 – (**n + 4**) = 60 - n
3) 32 – (**f + 8**) = 24 – f
5) 24 – (h + 4) = **20** – h
7) 34 – (x + 4) = **30** – x
9) 85 – (x + 15) = **70 - x**
11) 36 – (23 + p) = **13 - p**

(2) 25 – (**d + 5**) = 20 – d
(4) 43 – (**g – 7**) = 50 – g
(6) 100 – (p + 25) = **75** – p
(8) 27 – (y + 13) = **14 - y**
(10) 63 – (x + 11) = **52 - x**
(12) 50 – (15 + m) = **35 - m**