

He Rautaki Tāpiritanga

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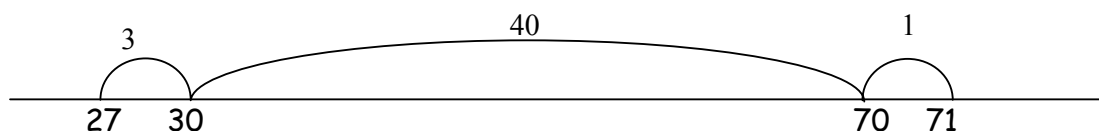
E ako ana ahau i ngā rautaki hei whakaoti tāpiritanga, tangohanga hoki.

Hei Mahi 1

Hei tauira:

$$27 + \square = 71$$

Ko te whakaatu peke ki te rārangi tau tētahi rautaki e tino whaihua ana hei whakaoti i tētahi tāpiritanga.



$$\square = 3 + 40 + 1 = 44$$

Ngā tohutohu:

Tuhia he rārangi tau pēnei i te mea i runga nei hei whakaoti i ngā tāpiritanga kei raro iho nei.

1) $26 + \square = 55$

(2) $38 + \square = 62$

(3) $37 + \square = 91$

4) $105 + \square = 231$

(5) $142 + \square = 212$

(6) $351 + \square = 504$

I ētahi o ngā tāpiritanga e whai ake nei, ko te pouaka hei tohu i te tau tāpiri tuatahi. Whakamāramatia he aha e whaihua tonu ai te whakamahi i te rārangi tau hei whakaoti i ēnei rapanga.

7) $\square + 32 = 59$

(8) $\square + 49 = 71$

(9) $\square + 108 = 453$

10) $2.7 + \square = 5.2$

(11) $1.9 + \square = 7.1$

(12) $6.7 + \square = 32.1$

13) $3.47 + \square = 6.25$

(14) $11.55 + \square = 27.9$

(15) $\square + 3.8 = 10.2$

16) $\square + 192.6 = 225.1$

(17) $\square + 1,370.25 = 2,160.18$

18) Tuhia tāu ake tāpiritanga pērā i te nama 15, ko te whakaatu peke i te rārangi tau tētahi rautaki whaihua.

19) $26 + \square = 55$

He aha tētahi rautaki kē atu hei whakaoti i tēnei tāpiritanga?

Hei Mahi 2

Hei tauira:

$$90 - 68 = \square$$

Ka hurihia tēnei tangohanga hei tāpiritanga: $68 + \square = 90$

Ināiane he māmā te whakamahi rārangi tau hei whakaoti i tēnei rapanga.

$$68 + 22 = 90$$

$$90 - 68 = 22$$

Ngā tohutohu:

Hurihia ēnei tāpiritanga hei tangohanga, ka whakaoti ai.

1) $60 - 26 = \square$

(2) $70 - 38 = \square$

(3) $92 - 47 = \square$

4) $405 - 347 = \square$

(5) $352 - 147 = \square$

(6) $530 - 358 = \square$

7) $4,750 - 3,860 = \square$

(8) $6,704 - 3,819 = \square$

(9) $2.7 - 1.9 = \square$

10) $6.3 - 2.7 = \square$

(11) $8.3 - 3.9 = \square$

(12) $45.3 - 26.7 = \square$

13) Tuhia tāu ake tangohanga pērā i te nama **11**, ko te whakaatu peke i te rārangi tau tētahi rautaki whaihua.

14) $60 - 26 = \square$

He aha tētahi rautaki kē atu hei whakaoti i tēnei tangohanga?

Hei Mahi 3

Hei tauira:

$$14 + \square = 82$$

E mōhio ana ahau ki te tāpiritanga: $14 + 6 = 20$. He tau māmā te **20**.

E **62** atu anō kia eke atu ki te **82**.

Nō reira, $\square = 6 + 62 = 68$

Ngā tohutohu:

Whakamahia te rautaki 'tau māmā' hei whakaoti i ngā tāpiritanga nei. Whakaaturia ō whiriwhiringa katoa.

1) $23 + \square = 94$

(2) $52 + \square = 68$

(3) $43 + \square = 84$

4) $16 + \square = 58$

(5) $23 + \square = 86$

6) $13 + \square = 52$

- 7) $\square + 81 = 163$ (8) $\square + 159 = 362$ (9) $\square + 488 = 552$
 10) $1,189 + \square = 2,340$ (11) $\square + 170 = 425$ (12) $\square + 316 = 876$
 13) $2.7 + \square = 5.2$ (14) $2.9 + \square = 6.1$ (15) $6.7 + \square = 32.4$

- 16) Tuhia tāu ake tāpiritanga pērā i te nama **15**, ko te whakamahi i te rautaki 'tau māmā' tētahi rautaki whaihua.

Hei Mahi 4

Hei taurira:

Mēnā e pātata ana tētahi o ngā tau tāpiri ki te **100**, e tino whaihua ana ngā rautaki e rua nei:

Rautaki 1: **$87 + 98$**

E tino pātata ana te **98** ki te **100**.

$87 + 100 = 187$, engari e rua te rahinga kē atu o te **100**, tērā i te **98**.

Nō reira, ka tangohia taua 2: **$187 - 2 = 185$**

Ko te **185** te otinga o te tāpiritanga: **$87 + 98 = 185$**

Rautaki 2: **$87 + 98$**

Whakawhitia te **2** mai i te **87** ki te **98**.

Ko te tāpiritanga hou, ko te: **$85 + 100$** .

He māmā tēnei tāpiritanga hou: **$85 + 100 = 185$**

Ngā tohutohu:

Whakamahia tētahi o ngā rautaki i runga nei hei whakaoti i ngā tāpiritanga e whai ake nei. Whakaaturia ō whiriwhiringa katoa.

- 1) $62 + 99$ (2) $77 + 98$ (3) $97 + 84$
 4) $38 + 399$ (5) $295 + 47$ (6) $389 + 235$
 7) $4,099 + 2,125$ (8) $7,295 + 477$ (9) $2,285 + 367$
 10) $4.7 + 2.5$ (11) $23.5 + 14.9$ (12) $17.8 + 3.4$
 13) $4.99 + 2.03$ (14) $5.87 + 1.35$ (15) $35.79 + 2.04$

Hei Mahi 5

Hei tauira: $346 - 297$

E tino pātata ana te 297 ki te 300 . He tau māmā te 300 .

Ki te tāpirihia te 3 ki ngā tau e rua nei, ka pūmau tonu te rahinga kei waenganui. Arā,
 $346 - 297 = 349 - 300$.

He māmā noa iho te whakaoti i tēnei tangohanga: $349 - 300 = 49$

He ōrite te otinga o te tangohanga $346 - 297 = 49$

Ngā tohutohu:

Whakamahia tēnei rautaki ‘tāpiritanga ōrite’ hei whakaoti i ngā tangohanga e whai ake nei. Whakaaturia ō whiriwhiringa katoa.

1) $423 - 398$

(2) $652 - 497$

(3) $447 - 389$

4) $5,643 - 398$

(5) $4,276 - 697$

(6) $9,230 - 388$

7) $3.4 - 2.9$

(8) $4.5 - 3.7$

(9) $12.8 - 3.8$

He aha te tikanga o te pouaka kua tuhia ki nama **11** me nama **12** e whai ake nei? He aha te rautaki e whaihua ana hei whakaoti i ēnei tangohanga?

10) $4.36 - 3.97$

(11) $8.35 - 3.98 = \square$

(12) $43.32 - 26.75 = \square$

13) Tuhia tāu ake tangohanga pērā i te nama **11**, ko te whakamahi i te rautaki ‘tāpiritanga ōrite’ tētahi rautaki whaihua.

15) $60 - 26 = \square$

He aha tētahi rautaki kē atu hei whakaoti i tēnei tangohanga?

Hei Mahi 6

Hei tauira: $267 + 263$

E tino whaihua ana ngā rautaki e rua nei hei whakaoti i tēnei tāpiritanga:

Rautaki 1: Tangohia te **2** i te **267**, ka tāpiri atu ai ki te **263**.

Ka hua ko te tāpiritanga hou nei te $265 + 265$.

He māmā te whakamahi rautaki 'rearua'. Arā, $265 + 265 = 530$

Rautaki 2: Whakamahia te rautaki 'rearua' hei whiriwhiri i te $260 + 260$. Arā, ko te **520**.

Tāpirihia ināiane i te **7** me te **3**, ka **530**.

Ngā tohutohu:

Whakamahia tētahi o ēnei rautaki hei whakaoti i ngā tāpiritanga e whai ake nei. Whakaaturia ō whiriwhiringa katoa.

1) $351 + 349$

(2) $204 + 196$

(3) $347 + 353$

4) $1,308 + 1,292$

(5) $9,996 + 10,008$

(6) $7,898 + 8,002$

7) $4.9 + 4.1$

(8) $35.7 + 35.3$

(9) $74.8 + 74.2$

10) $1.27 + 1.23$

(11) $4.59 + 4.57$

(12) $17.08 + 17.42$

13) Tuhia tāu ake tāpiritanga pērā i te nama **12**, ko te whakamahi i te rautaki 'rearua' tētahi rautaki whaihua.

Hei Mahi 7

Hei tauira: $45 + 27$

He taurea o te 9 te 45 me te 27 (arā, $9 \times 5 = 45$, $9 \times 3 = 27$)

Nō reira, ka whakamahi i ēnei meka whakareatanga hei whakaoti i te tāpiritanga:

$$45 = 5 \times 9 \quad 27 = 3 \times 9$$

$$\text{Nō reira, } 45 + 27 = 5 \times 9 + 3 \times 9$$

$$= (5 + 3) \times 9$$

$$= 8 \times 9$$

$$= 72$$

Ngā tohutohu:

Whakamahia te rautaki 'taurea' i runga nei hei whakaoti i ngā tāpiritanga me ngā tangohanga e whai ake nei. Whakaaturia ō whiriwhiringa katoa.

1) $48 + 36$

(2) $72 - 27$

(3) $88 - 56$

4) $120 - 54$

(5) $72 - 36$

(6) $125 - 75$

Hei Mahi 8

Hei tauira: $21.3 + 7.45$

Ka taea ēnei tau ā-ira te wāwahi ki ētahi wāhanga kia māmā ai te tāpiritanga. Arā,

$$21.3 + 7.45 = 21 + 7 + 0.3 + 0.45$$

$$= 28 + 0.75$$

$$= 28.75$$

Ngā tohutohu:

Whakamahi te rautaki 'wāhanga māmā' hei whakaoti i ngā tāpiritanga e whai ake nei. Whakaaturia ō whiriwhiringa katoa.

1) $12.5 + 6.35$

(2) $33.8 + 5.15$

(3) $34.1 + 5.55$

4) $8.15 + 17.3$

(5) $6.4 + 13.35$

(6) $15.65 + 3.2$

7) $18.6 + 5.25$

(8) $35.7 + 35.3$

(9) $74.8 + 74.2$

10) $1.27 + 1.23$

(11) $4.59 + 4.57$

(12) $17.08 + 17.42$

13) $27.3 + 7.55$

(14) $3.4 + 3.15$

(15) $5.25 + 19.3$

Ngā Otinga

Hei Mahi 1

1) 29 (2) 24 (3) 54 (4) 126 (5) 80 (6) 153

Kāore he take o te raupapa mai o ngā tau tāpiri, he ōrite tonu te otinga. Kāore he rerekētanga o te otinga o te $\square + 3$ me te $3 + \square$. Nō reira, he pai tonu tēnei rautaki.

(7) 26 (8) 22 (9) 345 (10) 2.5 (11) 5.2 (12) 25.4 (13) 2.78 (14) 16.35
(15) 6.4 (16) 32.5 (17) 790.55

Hei Mahi 2

1) 34 (2) 32 (3) 45 (4) 58 (5) 205 (6) 172 (7) 890 (8) 2885
9) 0.8 (10) 3.6 (11) 4.4 (12) 18.6

Hei Mahi 3

1) 71 (2) 16 (3) 41 (4) 42 (5) 63 (6) 39 (7) 82 (8) 203
9) 64 (10) 1151 (11) 255 (12) 560 (13) 2.5 (14) 3.2 (15) 25.7

Hei Mahi 4

1) 161 (2) 175 (3) 181 (4) 437 (5) 342 (6) 273 (7) 6224 (8) 7772
9) 2652 (10) 7.2 (11) 38.4 (12) 21.2 (13) 7.02 (14) 7.22 (15) 37.83

Hei Mahi 5

1) 21 (2) 155 (3) 58 (4) 5245 (5) 3579 (6) 8842 (7) 0.5 (8) 0.8

Kāore he aha o te tuhi pouaka ki te whakamutunga o te tangohanga. Ko tāna, he tohu noa iho i te wāhi hei tuhi i te otinga. Nō reira e pai tonu ana te whakamahi i te rautaki 'tāpiritanga ōrite'.

9) 9.0 (10) 0.39 (11) 4.37 (12) 16.57

Hei Mahi 6

1) 700 (2) 400 (3) 700 (4) 2600 (5) 20004 (6) 15900 (7) 9 (8) 71
9) 149 (10) 2.5 (11) 9.16 (12) 34.5

Hei Mahi 7

1) 84 (2) 45 (3) 32 (4) 66 (5) 36 (6) 50

Hei Mahi 8

1) 110 (2) 4.5 (3) 3.15 (4) 3766 (5) 136 (6) 69 (7) 1300 (8) 2400

9) 7 (10) 2.6 (11) 20.04 (12) 152 (13) 42 (14) 91 (15) 189