

4
5
6
7
8

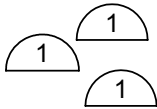
Rautaki Tāpiri, Rautaki Tango PAPARIKI TAU TŌPŪ

E ako ana ahau ki te tāpiri, ki te tango tau tōpū.

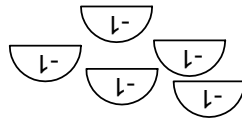
Hei Mahi 0

Hei tauira:

Ka whakamahia he papariki hei whakaatu tau tōrunga, tau tōraro hoki:



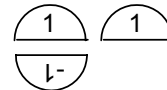
hei tohu i te $+3$



hei tohu i te -5



he ōrite ki te 0



ko ngā pikitia he ōrite ki te $+1$

Ngā tohutohu:

Tuhia he papariki hei tohu i ngā tau e whai ake nei.

- 1) 5
- (2) -1
- (3) 0
- 4) 1
- (5) -4
- (6) -6
- 7) Mēnā e rua ngā papariki $+1$, ā, e rua hoki ngā papariki -1 , whakamāramatia he aha e ōrite ai ki te kore

Hei Mahi 1

Ngā touhtohu:

- 1) Tuhia he papariki hei whakaatu i ngā tāpiritanga nei. Whakaotia ngā tāpiritanga.
- 2) Kia pēnei te tuhituhi i ngā tāpiritanga: $-4 + -2 = -6$.
- 1) 2 + 4
- (2) 3 + 5
- (3) 1 + 3 + 2
- 4) -2 + -3
- (5) -4 + -1
- (6) -1 + -5 + -2

7) $6 + ^{-}6$

(8) $4 + ^{-}4$

(9) $^{-}3 + 3$

10) $6 + ^{-}2$

(11) $7 + ^{-}3$

(12) $4 + ^{-}3$

13) $4 + ^{-}6$

(14) $3 + ^{-}5$

(15) $2 + ^{-}4$

16) $^{-}3 + 5$

(17) $^{-}2 + 5$

(18) $^{-}1 + 6$

19) $^{-}4 + 1$

(20) $^{-}5 + 4$

(21) $^{-}7 + 2$

22) $2 + ^{-}1 + 4$

(23) $3 + ^{-}2 + 4$

(24) $5 + ^{-}4 + 1$

25) $^{-}1 + ^{-}3 + 5$

(26) $^{-}2 + ^{-}2 + 6$

(27) $^{-}3 + ^{-}1 + 6$

28) $^{-}4 + 2 + ^{-}1$

(29) $^{-}5 + 6 + ^{-}1$

(30) $4 + ^{-}5 + ^{-}2$

31) $^{-}2 + 3 = 1.$

Hei Mahi 2

Ngā tohutohu:

- 1) Āta whakaarohia te ōrite o te tāpiri i tētahi papariki tōruna me tētahi papariki tōraro ki te kore (0), hei rautaki whakaoti i ngā tāpiritanga nei.
- 2) Tuhia ngā tāpiritanga ki tō pukapuka.

1) $^{-}12 + 5$

(2) $10 + ^{-}15$

(3) $^{-}8 + ^{-}9$

4) $^{-}14 + 6$

(5) $14 + ^{-}10$

(6) $^{-}30 + 22$

7) $^{-}20 + 24$

(8) $^{-}16 + 3$

(9) $^{-}23 + ^{-}11$

10) $^{-}18 + 25$

(11) $27 + ^{-}27$

(12) $42 + ^{-}38$

13) $^{-}37 + ^{-}13$

(14) $^{-}50 + 18$

(15) $^{-}24 + ^{-}38$

16) $^{-}31 + 40$

(17) $100 + ^{-}88$

(18) $85 + ^{-}84$

19) $^{-}99 + 8$

(20) $^{-}35 + ^{-}36$

(21) $5 + ^{-}106$

22) $58 + ^{-}10$

(23) $^{-}37 + 3$

(24) $^{-}88 + ^{-}12$

25) $^{-}120 + 30$

(26) $72 + ^{-}14$

(27) $^{-}98 + 103$

28) $^{-}107 + 10$

(29) $^{-}96 + ^{-}96$

(30) $^{-}72 + 72$

Hei Mahi 3

Ngā touhtohu:

- 1) Tuhia he papariki hei whakaatu i ngā tangohanga nei. Whakaotia ngā tangohanga.
- 2) Kia pēnei te tuhituhi i ngā tangohanga ki tō pukapuka: $^{-}4 - 2 = ^{-}6$.

- | | | |
|---------------------|------------------------------|--------------------------|
| 1) $6 - 4$ | (2) $5 - 2$ | (3) $4 - 1$ |
| 4) $^{-}6 - ^{-}3$ | (5) $^{-}5 - ^{-}4$ | (6) $^{-}2 - ^{-}1$ |
| 7) $5 - 6$ | (8) $3 - 5$ | (9) $2 - 5$ |
| 10) $6 - ^{-}3$ | (11) $3 - ^{-}4$ | (12) $2 - ^{-}5$ |
| 13) $^{-}4 - 6$ | (14) $^{-}3 - 5$ | (15) $^{-}2 - 4$ |
| 16) $^{-}5 - ^{-}6$ | (17) $^{-}2 - ^{-}5$ | (18) $^{-}3 - ^{-}4$ |
| 19) $5 - 1$ | (20) $^{-}4 - ^{-}1$ | (21) $4 - 7$ |
| 22) $5 - ^{-}4$ | (23) $^{-}5 - 4$ | (24) $^{-}4 - ^{-}5$ |
| 25) $7 - 4 - 2$ | (26) $^{-}6 - ^{-}2 - ^{-}1$ | (27) $7 - 5 - 4$ |
| 28) $3 - 4 - ^{-}2$ | (29) $^{-}2 - 4 - ^{-}1$ | (30) $^{-}3 - ^{-}5 - 2$ |

Hei Mahi 4

Ngā tohutohu:

- 1) Āta whakaarohia ngā papariki tōrunga me ngā papariki tōraro hei whakaatu i ngā tangohanga nei.
- 2) Tuhia ngā tangohanga ki tō pukapuka.

- | | | |
|----------------------|------------------------|--------------------|
| 1) $^{-}15 - 10$ | (2) $^{-}18 - ^{-}7$ | (3) $20 - 12$ |
| 4) $^{-}6 - ^{-}16$ | (5) $^{-}24 - 3$ | (6) $18 - 22$ |
| 7) $14 - ^{-}5$ | (8) $^{-}25 - ^{-}3$ | (9) $12 - 30$ |
| 10) $^{-}8 - 18$ | (11) $^{-}10 - ^{-}15$ | (12) $28 - 40$ |
| 13) $^{-}30 - ^{-}8$ | (14) $^{-}42 - 8$ | (15) $35 - ^{-}36$ |

16) $28 - 15$

(17) $-24 - -16$

(18) $35 - 40$

19) $25 - -20$

(20) $-30 - 20$

(21) $-40 - -50$

Hei Mahi 5

Ngā tohutohu:

- 1) Whakaotia ngā rapanga nei. Ākene pea ko te whakaahua ā-hinengaro i ngā papariki hei āwhina i a koe.
- 2) Tuhia ngā whārite ki tō pukapuka.

1) $13 + 7$

(2) $26 - 5$

(3) $-19 + -4$

4) $-17 - -14$

(5) $58 + -58$

(6) $27 - 34$

7) $31 + -14$

(8) $21 - -27$

(9) $20 + -20$

10) $-18 - 20$

(11) $-15 + 24$

(12) $-25 - -30$

13) $-20 + 14$

(14) $16 - -20$

(15) $-32 - -14$

16) $20 + -15 + 25$

(17) $-16 + -14 + 40$

(18) $25 - -15 - 30$

19) $35 - 40 - -10$

(20) $-20 - -30 - -10$

(21) $50 - 75 - -25$

Hei Mahi 6

Ngā tohutohu:

- 1) Whakaotia ngā rapanga nei.
- 2) Tuhia ngā whārite ki tō pukapuka.

1) (a) $6 - 5$

(b) $6 + -5$

2) (a) $10 - 15$

(b) $10 + -15$

3) (a) $14 - 1$

(b) $14 + -1$

4) (a) $-6 - 4$

(b) $-6 + -4$

5) (a) $-10 - 7$

(b) $-10 + -7$

- 6) He aha te tauira i kitea mai ana i ngā rapanga takirua i runga ake nei? He aha tētahi huarahi hei tāpiri i tētahi tau tōraro?

Tuhia ēnei tāpiritanga hei tangohanga

7) $4 + ^{-}7$

(8) $^{-}2 + ^{-}9$

(9) $20 + ^{-}18$

10) $\square + ^{-}\triangle$

(11) $a + ^{-}b$

(12) $^{-}M + ^{-}N$

Hei Mahi 7

Whakaotia ngā tapawhā mīharo nei.

1)

0	7	
	3	
	-1	

(2)

2		4
	1	
		0

(3)

-2	3	
-3		
2		

4)

		-1
0	2	
5		

(5)

-4	10	0
		-2

(6)

		2
11	5	-1

7)

		-9
		5
3		-5

(8)

-8	-1	
	-5	
	-9	

(9)

9		
	0	
-3		-9

Rautaki Tāpiri, Rautaki Tango
PAPARIKI TAU TŌPŪ
NGĀ OTINGA

Hei Mahi 0

7) Ina tāpirihia tētahi papariki tōraro me tētahi papariki tōrunga, ka rite ki te kore (0).

Hei Mahi 1

1) 6	(2) 8	(3) 6	(4) 5
5) 5	(6) 8	(7) 0	(8) 0
9) 0	(10) 4	(11) 4	(12) 1
13) 2	(14) 2	(15) 2	(16) 2
17) 3	(18) 5	(19) 3	(20) 1
21) 5	(22) 5	(23) 5	(24) 2
25) 1	(26) 2	(27) 2	(28) 3
29) 0	(30) 3		

31) Hui katoa ētahi papariki tōrunga e rua me ētahi papariki tōraro e rua, he ōrite ki te kore (0).

Hei Mahi 2

1) 7	(2) 5	(3) 17	(4) 8
5) 4	(6) 8	(7) 4	(8) 13
9) 34	(10) 7	(11) 0	(12) 4
13) 50	(14) 32	(15) 62	(16) 9
17) 12	(18) 1	(19) 91	(20) 71
21) 101	(22) 48	(23) 34	(24) 100
25) 90	(26) 58	(27) 5	(28) 97
29) 192	(30) 0		

Hei Mahi 3

1) 2	(2) 3	(3) 3	(4) 3
5) 1	(6) 1	(7) 1	(8) 2
9) 3	(10) 9	(11) 7	(12) 7
13) 10	(14) 8	(15) 6	(16) 1
17) 3	(18) 1	(19) 4	(20) 3
21) 3	(22) 9	(23) 9	(24) 1
25) 1	(26) 3	(27) 2	(28) 1
(29) 5	(30) 0		

Hei Mahi 4

1) 25	(2) 11	(3) 8	(4) 10
5) 27	(6) 4	(7) 19	(8) 22
9) 18	(10) 26	(11) 5	(12) 12
13) 22	(14) 50	(15) 1	(16) 13
17) 8	(18) 5	(19) 45	(20) 50
21) 10			

Hei Mahi 5

1) 20	(2) 21	(3) 23	(4) 3	(5) 0	(6) 7
7) 17	(8) 48	(9) 0	(10) 38	(11) 9	(12) 5
13) 6	(14) 36	(15) 18	(16) 30	(17) 10	(18) 10

19) 5 (20) 20 (21) 0

Hei Mahi 6

1) (a) 1 (b) 1 (2) (a) $\bar{5}$ (b) $\bar{5}$ (3) (a) 13 (b) 13

4) (a) $\bar{10}$ (b) $\bar{10}$ (5) (a) $\bar{17}$ (b) $\bar{17}$

6) He \bar{orite} te $t\bar{a}piri$ i tētahi tau tōraro, me te tango i te tau tōrunga e hāngai ana.

7) 4 - 7 (8) $\bar{2} - 9$ (9) 20 - 18 (10) $\square - \triangle$ (11) a - b (12) M - N

Hei Mahi 7

1)

0	7	2
5	3	1
4	$\bar{1}$	6

(2)

2	$\bar{3}$	4
3	1	$\bar{1}$
$\bar{2}$	5	0

(3)

$\bar{2}$	3	$\bar{4}$
$\bar{3}$	$\bar{1}$	1
2	$\bar{5}$	0

4)

1	6	$\bar{1}$
0	2	4
5	$\bar{2}$	3

(5)

$\bar{4}$	10	0
6	2	$\bar{2}$
4	$\bar{6}$	8

(6)

$\bar{4}$	17	2
11	5	$\bar{1}$
8	$\bar{7}$	14

7)

$\bar{1}$	1	$\bar{9}$
$\bar{11}$	$\bar{3}$	5
3	$\bar{7}$	$\bar{5}$

(8)

$\bar{8}$	$\bar{1}$	$\bar{6}$
$\bar{3}$	$\bar{5}$	$\bar{7}$
$\bar{4}$	$\bar{9}$	$\bar{2}$

(9)

9	$\bar{12}$	3
$\bar{6}$	0	6
$\bar{3}$	12	$\bar{9}$