Rautaki Tāpiripiri
WĀWĀHIA KA TĀPIRI AI

E ako ana ahau ki te wāwāhi tau hei whakaoti rapanga tāpiri.

I ētahi rapanga tāpiri, he tino whaihua te wāwāhi i tētahi o ngā tau tāpiri, hei whakamāmā i tētahi atu o ngā tau tāpiri.

Hei tauira: 19 + 7

Wāwāhia te 7 ki te 1 + 6, ka tāpiri ai i te 1 ki te 19, ka 20. He tau māmā te 20, he māmā te tāpiri i te 6.

        19 + 7 = 19 + 1 + 6
             = 20 + 6
             = 26

Hei tauira anō:

        34 + 18 = 32 + 2 + 18
              = 32 + 20
              = 52

Hei Mahi 1

Ngā tohutohu:
1) Wāwāhia tētahi o ngā tau tāpiri hei whakamāmā i tētahi.
2) Whakaotia ngā rapanga i roto i tō hinengaro i te tuatahi.
3) Tuhia te rapanga hei tirotiro mēnā i tika ngā whiriwhiringa i rō hinengaro. Tuhia kia rite ki ngā tauira o runga ake nei.

1)	28 + 14	(2)	76 + 9	(3)	37 + 15
4)	46 + 17	(5)	68 + 24	(6)	48 + 37
7)	29 + 62	(8)	18 + 63	(9)	55 + 17
10)	29 + 54	(11)	38 + 17	(12)	37 + 54
13)	69 + 73	(14)	78 + 45	(15)	27 + 57
16)	19 + 64	(17)	27 + 46	(18)	38 + 75
19)	47 + 86	(20)	34 + 68	(21)	58 + 86
22)	74 + 38	(23)	95 + 29	(24)	88 + 36

Hei Mahi 2: He Mati-Toru Ngā Tau Tāpiri

Hei tauira:

146 + 38 = 146 + 4 + 34   146 + 38 = 144 + 2 + 38
            = 150 + 34   = 144 + 40
            = 184   = 184

Ngā tohutohu:
1) Wāwāhia tētahi o ngā tau tāpiri hei whakamāmā i tētahi.
2) Whakaotia ngā rapanga i roto i tō hinengaro i te tuatahi.
3) Tuhia te rapanga hei tirotiro mēnā i tika ngā whiriwhiringa i rō hinengaro. Tuhia kia rite ki ngā tauira o runga ake nei.

1)	294 + 87	(2)	392 + 118	(3)	698 + 77
4)	247 + 45	(5)	329 + 68	(6)	488 + 36
7)	539 + 83	(8)	495 + 126	(9)	597 + 363
10)	296 + 438	(11)	794 + 197	(12)	899 + 73
13)	998 + 115	(14)	724 + 89	(15)	1098 + 89
16)	3996 + 257	(17)	5997 + 325	(18)	2798 + 275

Hei Mahi 3: Te Tāpiri Hautekau

Kia pērā anō te rautaki hei tāpiri tau ā-ira. Wāwāhia tētahi o ngā tau tāpiri hei huri ki te tauoti e pātata ana.

Hei tauira:

32.8 + 24.7
Tāpirihia te 2 hautekau (0.2) hei huri i te 32.8 ki te tauoti (33). Me tango taua rua hautekau (0.2) i te 24.7. Ara:
32.8 + 24.7 = 33 + 24.5
            = 57.5

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

1)	4.8 + ☐ = 5	(2)	7.6 + ☐ = 8	(3)	2.9 + ☐ = 3
4)	12.7 + ☐ = 13	(5)	15.9 + ☐ = 16	(6)	23.5 + ☐ = 24
7)	32.8 + ☐ = 33	(8)	74.7 + ☐ = 75	(9)	42.6 + ☐ = 43

Hei Mahi 4: Te Tāpiri Tau ā-Ira

Ngā tohutohu
1) Wāwāhia tētahi o ngā tau tāpiri hei whakamāmā i tētahi.
2) Whakaotia ngā rapanga i roto i tō hinengaro i te tuatahi.
3) Tuhia te rapanga hei tirotiro mēnā i tika ngā whiriwhiringa i rō hinengaro. Tuhia kia rite ki ngā tauira o runga ake nei..

1)	3.9 + 6.7	(2)	4.8 + 7.3	(3)	5.9 + 8.4
4)	7.4 + 1.8	(5)	8.8 + 7.6	(6)	10.6 + 7.8
7)	2.8 + 0.9	(8)	16.7 + 22.8	(9)	34.9 + 12.6
10)	52.7 + 16.8	(11)	21.9 + 17.8	(12)	63.8 + 34.7
13)	42.6 + 16.7	(14)	14.5 + 33.9	(15)	27.8 + 31.7
16)	42.9 + 35.6	(17)	54.9 + 22.7	(18)	36.9 + 52.7
19)	54.8 + 23.4	(20)	83.7 + 12.5	(21)	86.8 + 23.2

Hei Mahi 5

Hei tauira:
He tirotiro poto noa iho a Heni, kua mōhio ia kei te tika te tāpiritanga nei:
34 + 18 = 32 + 20
Kua tangohia te 2 i te 34, ā, kua tāpirihia atu ki te 18, nō reira he ōrite tonu.

Ngā tohutohu:
1) Whakatauria mēnā kei te TIKA, kei te HĒ rānei ngā tāpiritanga e whia ake nei.
2) Kaua e whakaoti i te tāpiritanga.

1)	68 + 34 = 70 + 32	(2)	36 + 57 = 39 + 54	(3)	87 + 15 = 90 + 18
4)	74 + 18 = 72 + 20	(5)	95 + 37 = 98 + 40	(6)	65 + 17 = 68 + 14
7)	153 + 19 = 154 + 20	(8)	325 + 216 = 329 + 220	(9)	274 + 38 = 272 + 40
10)	73.8 + 15.4 = 74 + 15.6	(11)	45.7 + 11.6 = 46 + 11.3	(12)	82.3 + 17.7 = 82 + 18

Hei Mahi 6

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

1) 26 + 35 = 30 + □   (2) 18 + 77 = 20 + □   (3) 37 + 18 = 40 + □

4) 44 + 78 = □ + 80   (5) 54 + 28 = □ + 30   (6) 93 + 79 = □ + 80

7) 46 + 48 = 47 + □   (8) 47 + 85 = □ + 88   (9) 54 + 28 = 58 + □

10) 56 + 38 = □ + 35   (11) 74 + 49 = 77 + □   (12) 73 + 45 = 70 + □

13) 26 + 57 = 23 + □   (14) 56 + 17 = □ + 13   (15) 93 + 79 = 90 + □

Hei Mahi 7

Ngā tohutohu:
Whiriwhiria ētahi tau takirua ka taea te tuhi, tētahi ki te pouaka, tētahi ki te tapatoru, e tika ai te whārite. Whiriwhiria kia toru ngā takirua tau.

1) 38 + □ = 36 + △   38 + □ = 36 + △   38 + □ = 36 + △
    Whakamāramatia te hononga o te □ me te △.

2) 26 + □ = 29 + △   26 + □ = 29 + △   26 + □ = 29 + △
    Whakamāramatia te hononga o te □ me te △.

3) 51 + □ = 56 + △   51 + □ = 56 + △   51 + □ = 56 + △
    Whakamāramatia te hononga o te □ me te △.

4) 75 + □ = 72 + △   75 + □ = 72 + △   75 + □ = 72 + △
    Whakamāramatia te hononga o te □ me te △.

5) 87 + □ = 83 + △   87 + □ = 83 + △   87 + □ = 83 + △
    Whakamāramatia te hononga o te □ me te △.

6) 93 + □ = 90 + △   93 + □ = 90 + △   93 + □ = 90 + △
    Whakamāramatia te hononga o te □ me te △.

7) 86 + □ = 100 + △   86 + □ = 100 + △   86 + □ = 100 + △
    Whakamāramatia te hononga o te □ me te △.

8) 148 + □ = 150 + △   148 + □ = 150 + △   148 + □ =150 + △
    Whakamāramatia te hononga o te □ me te △.

9) 574 + □ = 600 + △   574 + □ = 600 + △   574 + □ = 600 + △
    Whakamāramatia te hononga o te □ me te △.

10) 423 + □ = 450 + △   423 + □ = 450 + △   423 + □ = 450 + △
    Whakamāramatia te hononga o te □ me te △.

Hei Mahi 8

Ngā tohutohu:
Kaua e whiriwhiri i te tāpiritanga, engari ka tuhia mēnā kei te TIKA, kei te HĒ rānei ngā whārite e whai ake nei. Whakamāramatia he aha koe i mōhio ai, ka whakawhitiwhiti kōrero me ō hoa mahi pāngarau.

1) $0.7 + 0.5 > 1$

2) $54 + 28 = 52 + 30$

3) $246 + 238 > 480$

4) $49 + 51 + 52 > 3 \times 50$

5) $28 + 33 + 38 = 33 + 33 + 33$

6) $16 + {}^-4 = 12 + 0$

7) $\triangle + O = (\triangle + 2) + (O - 2)$ ka taea ngā tau katoa hei kapi i te $\triangle$ me te O

Hei Mahi 9: Te Whakawhānui

Ngā tohutohu:
1)   Tuhia te tau e tika ana ki roto i ngā taiapa.
2)   Ka taea ngā tau katoa hei kapi i te pū (reta)
3)   Tuhia te whārite ki tō pukapuka

1) $27 + n = 30 + (\ldots\ldots)$

(2) $68 + e = 70 + (\ldots\ldots)$

3) $89 + a = 100 + (\ldots\ldots)$

(4) $46 + (\ldots\ldots) = 50 + y$

5) $37 + (\ldots\ldots) = 60 + b$

(6) $34 + w = 30 + (\ldots\ldots)$

7) $14.6 + m = 15 + (\ldots\ldots)$

(8) $48 + g = 47.9 + (\ldots\ldots)$

9) $65 + (\ldots\ldots) = 50 + b$

(10) $36 + (\ldots\ldots) = 50 + p$

11) $n + 37 = (\ldots\ldots) + 50$

(12) $(\ldots\ldots) + 113 = c + 100$

13) $(\ldots\ldots) + 388 = h + 400$

(14) $s + 227 = (\ldots\ldots) + 250$

Rautaki Tāpiripiri
WĀWĀHIA KA TĀPIRI AI
NGĀ OTINGA

Hei Mahi 1

1)	42	(2)	85	(3)	52
4)	63	(5)	92	(6)	85
7)	91	(8)	81	(9)	72
10)	83	(11)	55	(12)	91
13)	142	(14)	123	(15)	84
16)	83	(17)	73	(18)	113
19)	133	(20)	102	(21)	144
22)	112	(23)	124	(24)	124

Hei Mahi 2

1)	381	(2)	510	(3)	775
4)	292	(5)	397	(6)	524
7)	622	(8)	621	(9)	960
10)	734	(11)	991	(12)	972
13)	1113	(14)	813	(15)	1187
16)	4253	(17)	6322	(18)	3073

Hei Mahi 3

1)	0.2	(2)	0.4	(3)	0.1
4)	0.3	(5)	0.1	(6)	0.5
7)	0.2	(8)	0.3	(9)	0.4

Hei Mahi 4

1)	10.6	(2)	12.1	(3)	14.3
4)	9.2	(5)	16.4	(6)	18.4
7)	3.7	(8)	39.5	(9)	47.5
10)	69.5	(11)	39.7	(12)	98.5
13)	59.3	(14)	48.4	(15)	59.5
16)	78.5	(17)	77.6	(18)	89.6
19)	78.2	(20)	96.2	(21)	110

Hei Mahi 5

1)	True	(2)	True	(3)	False
4)	True	(5)	False	(6)	True
7)	False	(8)	False	(9)	True
10)	False	(11)	True	(12)	True

Hei Mahi 6

1)	31	(2)	75	(3)	15
4)	42	(5)	52	(6)	92
7)	47	(8)	44	(9)	24
10)	59	(11)	46	(12)	48
13)	60	(14)	60	(15)	82

Hei Mahi 7
1)   E 2 te rahinga ake o te △ i te □
2)   E 3 te itinga iho o te △ i te □
3)   E 5 te itinga iho o te △ i te □
4)   E 3 te rahinga ake o te △ i te □
5)   E 4 te rahinga ake o te △ i te □
6)   E 3 te rahinga ake o te △ i te □
7)   14 te itinga iho o te △ i te □
8)   E 2 te itinga iho o te △ i te □
9)   26 te itinga iho o te △ i te □
10)   27 te itinga iho o te △ i te □

Hei Mahi 8
1) $0.7 > 0.5$, nō reira he nui ake te tapeke i te $0.5 + 0.5$
2)   Tāprihia te 2 ki te 28, ka 30, ā, ka tangohia te 2 i te 54, ka 52.
3)   E 2 ngā 240 ka 480, ā, he tawhiti ake te 246 i te 240, tērā i te tawhiti o te 238 i te 240.
4)   Kotahi te itinga iho o te 49 i te 50, ā, he rahi ake te 51 me te 52 i te 50.
5)   E 5 te itinga iho o te 28 i te 33, ā, e 5 te rahinga ake o te 38 i te 33. Nō reira he ōrite ki te 33 + 33
6)   E 4 te itinga iho o te 12 i te 16, ā, e 4 te rahinga ake o te 0 i te ˉ4. Nō reira he ōrite ngā tapeke ki ia taha o te tohu ōrite.
7)   Ka whakapikia te △ mā te 2, ā, ka whakahekea te O mā te 2, nō reira he ōrite te tapeke ki ia taha o te tohu ōrite.

Hei Mahi 9
1) n - 3	(2) e - 2	(3) a - 11
4) y + 4	(5) b + 23	(6) w + 4
7) m − 0.4	(8) g + 0.1	(9) b - 15
10) p + 14	(11) n - 13	(12) c - 13
13) h + 12	(14) s - 23	