

Te Uara Tū: HAURAU

4

5

6

7

8

E ako ana ahau ki te whakamahi hautekau, haurau hoki.

Hei Mahi 1

Hei tauira:

Ka tuhia te tau 5 345.63 ki te tūtohi hei whakaatu i ngā uara tū o ngā mati:

1000	100	10	1	$\frac{1}{10}$	$\frac{1}{100}$
5	3	4	5	6	3

Ka tuhia te tau hei tau roha: $5000 + 300 + 40 + 1 + \frac{6}{10} + \frac{3}{100}$

Ngā tohutohu:

- 1) Tuhia ngā tau nei ki te tūtohi i te whārangi whakautu.
- 2) Tuhia te tau hei tau roha.

1) 134.52

(2) 8.75

(3) 12.15

4) 418.91

(5) 23.83

(6) 21.61

7) 0.56

(8) 0.03

(9) 3.09

10) 215.25

(11) 17

(12) 8675

13) 1569

(14) 1045.08

(15) 380.14

16) 99.4

(17) 0.05

(18) 0.31

19) 4104.38

(20) 800.52

Hei Mahi 2

Ngā tohutohu:

Tuhia ngā tau e whakaaturia ana i te tūtohi nei hei tau ā-ira.

Pātai	1000	100	10	1	$\frac{1}{10}$	$\frac{1}{100}$
1	6	3		2	1	4
2			8	9		
3		2	3	4	6	
4	3	4		8		6
5					8	
6		5	7	4		8

Pātai	1000	100	10	1	$\frac{1}{10}$	$\frac{1}{100}$
7		6		7	7	
8	3		7	9		4
9		8	2	4	6	
10	4	3		1		2
11	9				8	
12	7	2		5		8

Hei Mahi 3

Ngā tohutohu:

Karakaranga te hoahoa hei whakaatu i te hautau ā-ira.

- 1) 0.7 2) 0.2 3) 0.4 4) 0.15 5) 0.95

1)

 2)

 3)

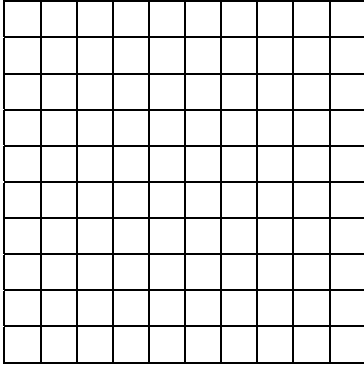
 4)

 5)

- 6) a) Karakaranga te 0.64 o tēnei hoahoa kia whero, te 0.23 kia kahurangi.

e) Tuhia te hautau e hāngai ana ki te katoa o te rohe e karakaranga ana. Whakamāmāhia te hautau mēnā e taea ana.

h) Tuhia te hautau ā-ira e hāngai ana ki te rohe kāore e karakaranga ana.



7) a) Whakaaturia te **0.38** kia whero, te **0.49** kia kahurangi.

e) Tuhia te hautau e hāngai ana ki te katoa o te rohe e karakarangia ana. Whakamāmāhia te hautau mēnā e taea ana.

h) Tuhia te hautau ā-ira e hāngai ana ki te rohe kāore e karakarangia ana.

Hei Mahi 4

Ngā tohutohu:

Tuhia ngā hautau nei hei tau hanumi, hei tau ā-ira hoki.

Hei tauira:

$$\frac{113}{100} = 1\frac{13}{100} = 1.13$$

1) $\frac{24}{100}$

(2) $\frac{15}{100}$

(3) $\frac{14}{100}$

4) $\frac{36}{100}$

(5) $\frac{70}{100}$

(6) $\frac{38}{100}$

7) $\frac{140}{100}$

(8) $\frac{101}{100}$

(9) $\frac{34}{100}$

10) $\frac{148}{100}$

Hei Mahi 5

Ngā tohutohu:

I ēnei tau, tārarotia te mati kei te wāhi o ngā rau.

1) 86,243.1

(2) 2,726.73

(3) 90,000

4) 1,234.6

(5) 1,167.9

(6) 2,450.012

7) 45,659.345

(8) 12,345.8

(9) 456.67

10) 9,012.89

(11) 5,578.897

(12) 58,921.21

Hei Mahi 6

Ngā tohutohu:

I ēnei tau, porowhitatia te mati kei te wāhi o ngā haurau.

1) 24.741

(2) 1.8932

(3) 78.04

4) 567.15

(5) 4536.407

Hei Mahi 7

Ngā tohutohu:

Tāpirihia te kotahi haurau ($\frac{1}{100}$) ki ēnei tau:

- | | | |
|--------------|---------------|---------------|
| 1) 0.7 | (2) 0.38 | (3) 12.09 |
| 4) 24.45 | (5) 12.64 | (6) 168.42 |
| 7) 2 145.2 | (8) 10 | (9) 23.99 |
| 10) 8 847 | (11) 974 211 | (12) 644.09 |
| 13) 0.77 | (14) 329.89 | (15) 2 327.82 |
| 16) 1 000.09 | (17) 60 000.5 | (18) 45.89 |

Hei Mahi 8

Ngā tohutohu:

Tangohia te kotahi haurau ($\frac{1}{100}$) i ēnei tau:

- | | | |
|-------------|-------------|------------|
| 1) 39.68 | (2) 32.14 | (3) 123.71 |
| 4) 0.82 | (5) 45.74 | (6) 56.10 |
| 7) 286.01 | (8) 39.5 | (9) 8.20 |
| 10) 478.300 | (11) 100.00 | (12) 10.01 |

Hei Mahi 9

- | | | |
|------------------|-------------------|-------------------|
| 1) 445.19 + .01 | (2) 698.34 + .01 | (3) 999.99 + .01 |
| 4) 329.20 + .01 | (5) 4249.54 + .01 | (6) 204.04 + .01 |
| 7) 3000.99 + .01 | (8) 49.09 + .01 | (9) 5015.34 + .01 |

Hei Mahi 10

- | | | |
|-------------------|--------------------|----------------------|
| 1) 321.73 - 0.01 | (2) 90.76 - 0.01 | (3) 603.49 - 0.01 |
| 4) 819.02 - 0.01 | (5) 3001.04 - 0.01 | (6) 6004.71 - 0.01 |
| 7) 30.00 - 0.01 | (8) 6.55 - 0.01 | (9) 20.01 - 0.01 |
| 10) 1 - 0.01 | (11) 0.58 - 0.01 | (12) 88.27 - 0.01 |
| 13) 436.12 - 0.01 | (14) 0.07 - 0.03 | (15) 7890 .21 - 0.01 |

Hei Mahi 11

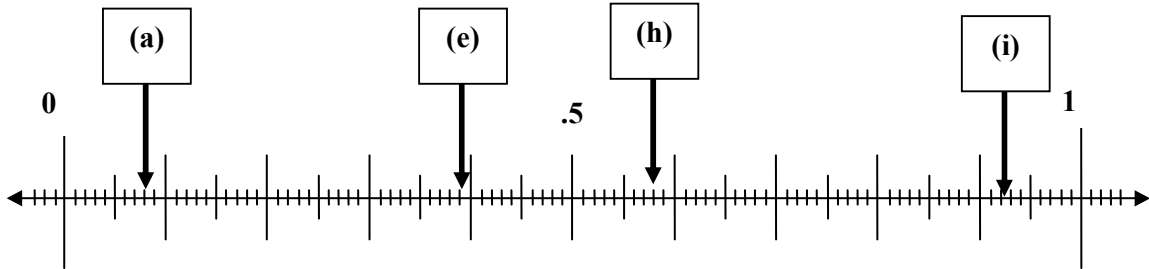
- 1) He aha te mati kei te wāhi o ngā tekau? **395.98**
- 2) He aha te mati kei te wāhi o ngā hautekau? **1125.683**
- 3) He aha te mati kei te wāhi o ngā haurau? **345.891**
- 4) He aha te mati kei te wāhi o ngā rau? **2349.782**
- 5) Tuhia he tau mati-3, ko te 6 te mati kei te wāhi o ngā haurau.
- 6) Tuhia he tau mati-4, ko te 6 te mati kei te wāhi o ngā rau.
- 7) Tuhia he tau mati-2, ko te 5 te mati kei te wāhi o ngā haurau.

Hei Mahi 12

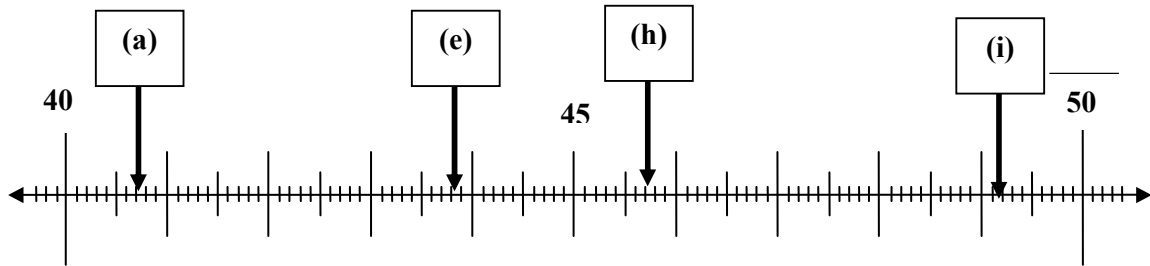
Ngā tohutohu:

Tuhia ngā tau e tohungia ana i ēnei rārangi tau.

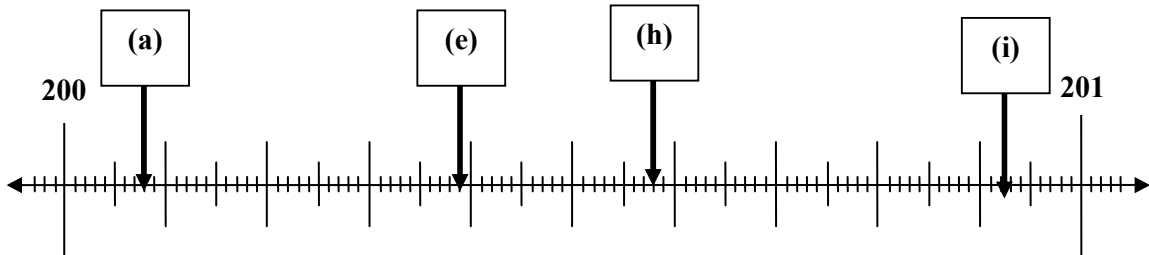
1)



2)



3)



Hei Mahi 13

Ngā tohutohu:

Tuihia ēnei tau hei tau ā-ira. Whakamāmāhia mēnā e taea ana.

1) e 6 ngā $\frac{2}{100}$

(2) e 4 ngā $\frac{1}{100}$

(3) e 2 ngā $\frac{2}{100}$

4) e 5 ngā $\frac{15}{100}$

(5) e 6 ngā $\frac{12}{100}$

(6) e 4 ngā $\frac{120}{100}$

- 7) Tuhia kia ono ngā rapanga pēnei i ngā rapanga o runga nei ki tō pukapuka pāngarau. Whiriwhiria ngā otinga. Hoatu ō rapanga hei whakaoti mā tētahi hoa, māu e whakaoti āna rapanga. Āta tiroirohia mēnā kei te tika āna otinga.
- 8) Tuhia kia toru anō ngā rapanga, engari kia whai wāhi mai te tohu whakarea.
- 9) Tuhia kia kotahi te rapanga e whai wāhi mai ana te whakarea haurau. Hoatu hei tiroiro mā tō kaiako.

Hei Mahi 14

Ngā tohutohu:

Whakaotia ēnei whakareatanga. Tuhia ngā otinga hei tau ā-ira. Whakamāmāhia ngā otinga mēnā e taea ana.

- | | | |
|----------------------|----------------------|-----------------------|
| 1) 0.03×4 | (2) 0.02×2 | (3) 0.01×5 |
| 4) 1.03×3 | (5) 2.01×2 | (6) 1.03×3 |
| 7) 12.02×3 | (8) 11×0.05 | (9) 0.06×5 |
| 10) 0.07×9 | (11) 0.05×8 | (12) 0.04×16 |
| 13) 12×0.04 | (14) 7×0.08 | (15) 20×0.03 |

Whārangi Whakautu:

Hei Mahi 1

Pātai	1000	100	10	1	$\frac{1}{10}$	$\frac{1}{100}$	Tau Roha
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
15							
16							
17							
18							
19							
20							

NGĀ OTINGA

Hei Mahi 1

Pātai	1000	100	10	1	$\frac{1}{10}$	$\frac{1}{100}$	Tau Roha
1		1	3	4	5	2	$100 + 30 + 4 + \frac{5}{10} + \frac{2}{100}$
2				8	7	5	$8 + \frac{7}{10} + \frac{5}{100}$
3			1	2	1	5	$10 + 2 + \frac{1}{10} + \frac{5}{100}$
4		4	1	8	9	1	$400 + 10 + 8 + \frac{9}{10} + \frac{1}{100}$
5			2	3	8	3	$20 + 3 + \frac{8}{10} + \frac{3}{100}$
6			2	1	6	1	$20 + 1 + \frac{6}{10} + \frac{1}{100}$
7					5	6	$\frac{5}{10} + \frac{6}{100}$
8						3	$\frac{3}{100}$
9				3		9	$\frac{9}{100}$
10		2	1	5	2	5	$200 + 10 + 5 + \frac{2}{10} + \frac{5}{100}$
11			1	7			17
12	8	6	7	5			$8000 + 600 + 70 + 5$
13	1	5	6	9			$1000 + 500 + 60 + 9$
15	1	0	4	5		8	$1000 + 40 + 5$
16			9	9	4		$90 + 9 + \frac{4}{10}$
17						5	$\frac{5}{100}$
18					3	1	$\frac{3}{10} + \frac{1}{100}$
19	4	1	0	4	3	8	$4000 + 100 + 4 + \frac{3}{10} + \frac{8}{100}$
20		8			5	2	$800 + \frac{5}{10} + \frac{2}{100}$

7) $\frac{140}{100} = 1.40$

(8) $\frac{101}{100} = 1.01$

(9) $\frac{34}{100} = 0.34$

10) $\frac{148}{100} = 1.48$

Hei Mahi 5

1) 86,243.1

(2) 2,726.73

(3) 90,000

4) 1,234.6

(5) 1,167.9

(6) 2,450.012

7) 45,659.345

(8) 12,345.8

(9) 456.67

10) 9,012.89

(11) 5,578.897

(12) 58,921.21

Hei Mahi 6

1) 24.741

(2) 1.8932

(3) 78.04

4) 567.15

(5) 4536.407

Hei Mahi 7

1) 0.71

(2) 0.39

(3) 12.1

4) 24.46

(5) 12.65

(6) 168.43

7) 2145.21

(8) 10.01

(9) 24

10) 8847.01

(11) 974211.01

(12) 644.1

13) 0.78

(14) 329.90

(15) 2327.83

16) 1000.1

(17) 60000.51

(18) 45.90

Hei Mahi 8

1) 39.67

(2) 32.13

(3) 123.70

4) 0.81

(5) 45.73

(6) 56.09

7) 286.

(8) 39.4

(9) 8.19

10) 478.29

(11) 99.99

(12) 10.0

Hei Mahi 9

- | | | |
|-----------|-------------|-------------|
| 1) 445.2 | (2) 698.35 | (3) 10000 |
| 4) 329.21 | (5) 4249.55 | (6) 204.05 |
| 7) 3001 | (8) 49.1 | (9) 5015.35 |

Hei Mahi 10

- | | | |
|------------|-------------|-------------|
| 1) 321.72 | (2) 90.75 | (3) 603.48 |
| 4) 819.01 | (5) 3001.03 | (6) 6004.7 |
| 7) 29.99 | (8) 6.54 | (9) 20 |
| 10) 0.99 | (11) 0.57 | (12) 88.26 |
| 13) 436.11 | (14) 0.04 | (15) 7890.2 |

Hei Mahi 11

- 1) .9
- 2) 6
- 3) 9
- 4) 3

Hei Mahi 12

- | | | | |
|---------------|------------|------------|------------|
| 1) (a) 0.08 | (e) 0.39 | (h) 0.58 | (i) 0.92 |
| 2) (a) 40.08 | (e) 43.9 | (h) 45.8 | (i) 49.2 |
| 3) (a) 200.08 | (e) 200.39 | (h) 200.58 | (i) 200.92 |

Hei Mahi 13

- | | | |
|---------------------|----------------------|--|
| 1) $\frac{12}{100}$ | (2) $\frac{4}{100}$ | (3) $\frac{4}{100}$ |
| 4) $\frac{75}{100}$ | (5) $\frac{72}{100}$ | (6) $\frac{480}{100} = 4\frac{8}{10} = 4\frac{4}{5}$ |

Hei Mahi 14

- | | | |
|---------|----------|----------|
| 1) 0.12 | (2) 0.04 | (3) 0.05 |
|---------|----------|----------|

4) 3.09

(5) 4.02

(6) 3.09

7) 36.06

(8) 5.65

(9) 0.3

10) 0.63

(11) 0.4

(12) 0.64

13) 0.48

(14) 0.56

(15) 0.6