

## Ihumanea Pāngarau He Rautaki Whakawehenga MĀ TE KAIKO

### Kia Mōhio te Ākonga ki:

- ētahi rautaki whakaoti whakareatanga
- te tuhi whakaahua hei whakaatu i tētahi rautaki whakawehenga

### Kupu Matua:

rautaki, whakarea, whakawehe, tau māmā, wāwāhi

### Whāinga Paetae:

Taumata 3, Te Tau me te Taurangi

3. Ka kōwhiri, ka whakamārama i te rautaki e tino whaihua ana hei whakaoti rapanga e whai wāhi mai ana te tauoti, te hautau, te tau ā-ira māmā me te ōrau: rautaki tatau; rautaki whakarōpū; rautaki tohatoha ōrite; rautaki tāpiripiri; rautaki whakarea māmā.
4. Ka mārama ki te whaitakenga o te otinga o tētahi rapanga.

### Hei Mahi:

1. E whiriwhiri ana a Amokura i te whakawehenga  $42 \div 14 = \square$ .

Koia nei tana whiriwhiringa:  $21 \div 7 = 3$

a) Whakamāramahia te rautaki a Amokura.

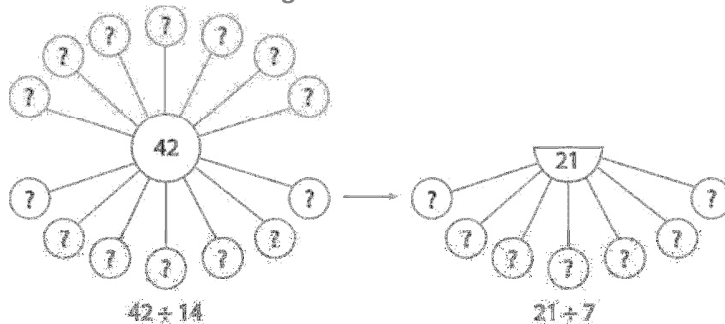
He pātai āwhina hei tuku mā te kaiako (ina hiahiatia):

- He aha te hononga o te 42 me te 21?
- He aha te hononga o te 4 me te 7?
- Whakaarohia ēnei whakawehenga. he aha te hononga o tētahi ki tētahi? He ōrite te otinga?  $12 \div 4$        $6 \div 2$

### He tauira whakamārama ā-kupu:

Ka hauruatia te 42, ka hauruatia hoki te 14. Ko te  $21 \div 7$  te whakawehenga hou, he māmā ake, engari he ōrite tonu te otinga.

### He tauira whakaahuatanga:



e) Whakamahia te rautaki a Amokura hei whakaoti i ēnei whakawehenga:

$$\begin{aligned} 80 \div 16 \\ = 40 \div 8 \\ = 5 \end{aligned}$$

$$\begin{aligned} 72 \div 18 \\ = 36 \div 9 \\ = 4 \end{aligned}$$

2. E whiriwhiri ana a Atawhai i te whakawehenga  $92 \div 4 = \square$ .

Koia nei tana whiriwhiringa:  $(80 \div 4) + (12 \div 4) = 23$

a) Whakamāramahia te rautaki a Atawhai.

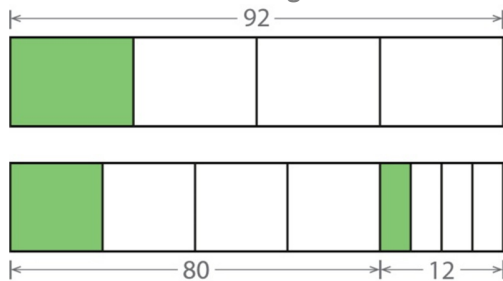
He pātai āwhina hei tuku mā te kaiako (ina hiahiatia):

- I whakawehea te 80 me te 12 ki te 4. He aha ai?
- Nō hea te 80 me te 12?
- Nō hea te 23?

**He tauira whakamārama ā-kupu:**

Ka wāwāhia te 92 ki te 80 me te 12. He māmā te whakawehe i te 4 ki roto i te 80 me te 12. Whakawehea te 80 ki te 4, ka 20. Whakawehea te 12 ki te 4, ka 3. Hui katoa te 20 me te 3, ko te 23 te otinga.

**He tauira whakaahuahanga:**



e) Whakamahia te rautaki a Atawhai hei whakaoti i ēnei whakawehenga:

$$\begin{aligned} 96 \div 6 \\ = (60 \div 6) + (36 \div 6) \\ = 10 + 6 \\ = 16 \end{aligned}$$

$$\begin{aligned} 96 \div 8 \\ = (80 \div 8) + (16 \div 8) \\ = 10 + 2 \\ = 12 \end{aligned}$$

3. E whiriwhiri ana a Taki i te whakawehenga  $54 \div 3 = \square$ .

Koia nei tana whiriwhiringa:  $3 \times 10 = 30$ ,  $3 \times 8 = 24$ , nō reira  $3 \times 18 = 54$

a) Whakamāramahia te rautaki a Taki.

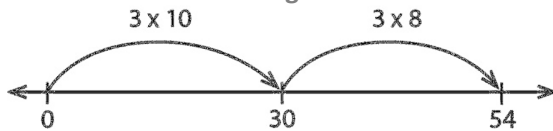
He pātai āwhina hei tuku mā te kaiako (ina hiahiatia):

- He aha te hononga o ngā whakareatanga e rua ki te whakawehenga  $54 \div 3$ ?
- He aha i whakareatia ai te 3 ki te 10 i te tuatahi, kātahi ki te 8?
- He aha te hononga o tēnei whakawehenga me tēnei whakareatanga:  
 $12 \div 3 = \square$                        $3 \times \square = 12$

**He tauira whakamārama ā-kupu:**

Ka hurihia te whakawehenga hei whakareatanga, Arā, whakareatia te 3 ki te aha kia eke ki te 54? Tuatahi, ka whakareatia te 3 ki te 10, ko te 30 tērā. E 24 e toe ana. Mēnā ka whakareatia te 3 ki te 8, ko te 24 tērā, Hui katoa, i whakareatia te 3 ki te 18 kia eke ki te 54. Nō reira ko te 18 te otinga o te whakawehenga.

**He tauira whakaahuahanga:**



e) Whakamahia te rautaki a Taki hei whakaoti i ēnei whakawehenga:

$$\begin{array}{l} 78 \div 3 = \boxed{26} \\ 3 \times \square = 78 \\ \hline 3 \times 20 = 60 \\ 3 \times 6 = 18 \\ \hline 3 \times \boxed{26} = 78 \end{array}$$

$$\begin{array}{l} 91 \div 7 = \boxed{13} \\ 7 \times \square = 91 \\ \hline 7 \times 10 = 70 \\ 7 \times 3 = 21 \\ \hline 7 \times \boxed{13} = 91 \end{array}$$