

Ihumanea Pāngarau

He Rautaki Whakareatanga

MĀ TE KAIKO

Kia Mōhio te Ākonga ki:

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

Kupu Matua:

rautaki, whakarea, tau māmā, wāwāhi uara tū

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 Taumutu i te whakareatanga $28 \times 5 = \square$.

Koia nei tana whiriwhiringa: $14 \times 10 = 140$

a) Whakamāramahia te rautaki a Taumutu.

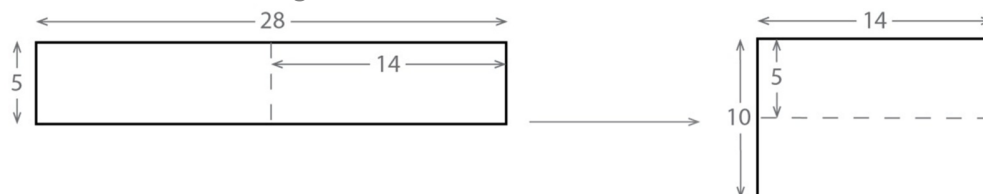
He pātai āwhina hei tuku mā te kaiako (ina hiahiatia):

- He aha te hononga o te 28 me te 14?
- He aha te hononga o te 5 me te 10?
- Whakaarohia ēnei whakareatanga. He aha te hononga o tētahi ki tētahi? He ōrite te otinga? 4×6 8×3

He tauira whakamārama ā-kupu:

Ka hauruatia te 28, ka rearuatia te 5. He māmā te whakarea ki te 10, ā, ka pūmau tonu te otinga, arā, ko 140.

He tauira whakaahuahanga:



e) Whakamahia te rautaki a Taumutu hei whakaoti i ēnei whakareatanga:

$$\begin{aligned} & 13 \times 4 \\ & = 26 \times 2 \\ & = 52 \end{aligned}$$

$$\begin{aligned} & 42 \times 50 \\ & = 21 \times 100 \\ & = 2,100 \end{aligned}$$

2. E whiriwhiri ana a Hākopa i te whakareatanga $18 \times 4 = \square$.

$$\begin{aligned} \text{Koia nei tana whiriwhiringa: } & 20 \times 4 - 8 \\ & = 80 - 8 \\ & = 72 \end{aligned}$$

a) Whakamāramahia te rautaki a Hākopa.

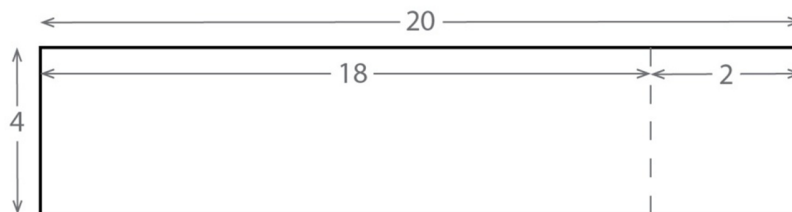
He pātai āwhina hei tuku mā te kaiako (ina hiahiatia):

- He aha i huri ai te 18 ki te 20, ā, ka whakareatia ki te 4?
- He nui ake te 20×4 i te 18×4 . E hia nei te nui ake?

He tauira whakamārama ā-kupu:

Ka whakareatia te 20 ki te 4. He pātata te 20 ki te 18, ā, he tau māmā. He māmā te whakarea i te 20 ki te 4, ka 80. E 2 ngā 4 te rahinga ake o te whakareatanga, nō reira, ka tangohia ngā 4 e rua, arā, te 8 i te 80, ka 72. Koia rā te otinga.

He tauira whakaahuahanga:



e) Whakamahia te rautaki a Hākopa hei whakaoti i ēnei whakareatanga:

$$\begin{aligned} & 29 \times 5 \\ & = 30 \times 5 - 5 \\ & = 150 - 5 \\ & = 145 \end{aligned}$$

$$\begin{aligned} & 38 \times 3 \\ & = (40 \times 3) - (2 \times 3) \\ & = 120 - 6 \\ & = 114 \end{aligned}$$

3. E whiriwhiri ana a Tai i te whakareatanga $23 \times 6 = \square$.

$$\begin{aligned} \text{Koia nei tana whiriwhiringa: } & 23 \times 6 \\ & = 120 + 18 \\ & = 138 \end{aligned}$$

a) Whakamāramahia te rautaki a Tai.

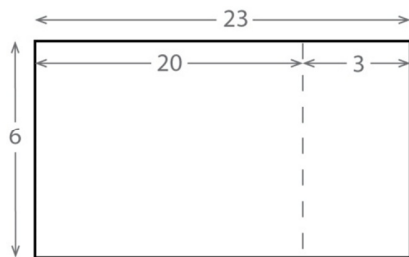
He pātai āwhina hei tuku mā te kaiako (ina hiahiatia):

- Nō hea te 120? I whakareatia te aha ki te 6 kia hua ake te 120?
- Nō hea te 18? I whakareatia te aha ki te 6 kia hua ake te 18?

He tauira whakamārama ā-kupu:

Ka wāwāhia te te 23 ki te 20 me te 3. Ka whakareatia ēnei wāhanga e rua ki te 6. Whakareatia te 20 ki te 6, ka 120. Whakareatia te 3 ki te 6, ka 18. Hui katoa, ko te 138 te otinga.

He tauira whakaahuahanga:



e) Whakamahia te rautaki a Tai hei whakaoti i ēnei whakareatanga:

$$\begin{aligned} & 32 \times 4 \\ & = (30 \times 4) + (2 \times 4) \\ & = 120 + 8 \\ & = 128 \end{aligned}$$

$$\begin{aligned} & 45 \times 6 \\ & = (40 \times 6) + (5 \times 6) \\ & = 240 + 30 \\ & = 270 \end{aligned}$$