

Ihumanea Pāngarau He Rautaki Tangohanga MĀ TE KAIKO

Kia Mōhio te Ākonga ki:

- ētahi rautaki whakaoti tangohanga
- te tuhi whakaahua hei whakaatu rautaki tangohanga

Kupu Matua:

rautaki, tāpiri, tango, tau māmā, kōaro, whārite

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 Hapi i te tangohanga $65 - 29 = \square$.

Koia nei tana whiriwhiringa: $65 - 30 + 1 = 36$

a) Whakamāramahia te rautaki a Hapi.

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

- He aha te tau tango i te whārite tuatahi?
- He aha te tau tango i te whārite tuarua?
- He aha te hononga o te whārite tuatahi me te whārite tuarua?
- He aha i ōrite ai ngā whārite e rua?

He tauira whakamārama ā-kupu:

He ōrite te tango i te 29 me te tango i te 30 tāpiria te tahi. He māmā te tango i te 30 i te 65, ko te 35 tērā. Ināianei ka tāpiria te 1 kia ōrite tonu ki te tango i te 29. Ko te 36 te otinga.

He tauira whakaahuahanga:

$$\begin{aligned} 65 - 29 &= \square \\ &\downarrow \\ &= 65 - 30 + 1 \\ &= 35 + 1 \\ &= 36 \end{aligned}$$

e) Whakamahia te rautaki a Hapi hei whakaoti i ēnei tangohanga:

$$\begin{aligned} 33 - 18 &= \square \\ \downarrow \\ 33 - 20 + 2 \\ &= 13 + 2 \\ &= 15 \end{aligned}$$

$$\begin{aligned} 84 - 58 &= \square \\ \downarrow \\ 84 - 60 + 2 \\ &= 24 + 2 \\ &= 26 \end{aligned}$$

2. E whiriwhiri ana a Hera i te tangohanga $73 - 28 = \square$.

Koia nei tana whiriwhiringa: $75 - 30 = 45$

a) Whakamāramahia te rautaki a Hera.

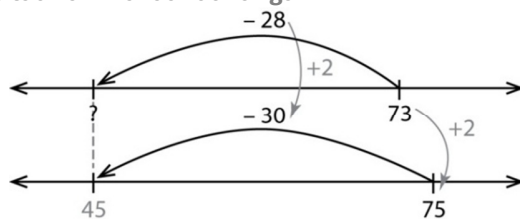
He pātai āwhina hei tuku mā te kaiako (ina hiahiatia):

- He aha te hononga o te 73 me te 75?
- He aha te hononga o te 28 me te 30?
- He aha i ōrite ai te otinga o ngā whārite e rua nei?

He tauira whakamārama ā-kupu:

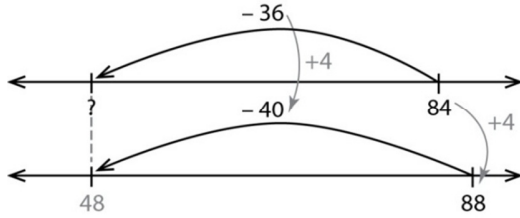
Ka tāpiria te 2 ki te 73 me te 28, ko te $75 - 30$ te tangohanga hou, engari ka pūmau tonu te otinga. He tau māmā te 30, he māmā te tango i te 75, ko te 45 te otinga.

He tauira whakaahuahanga:

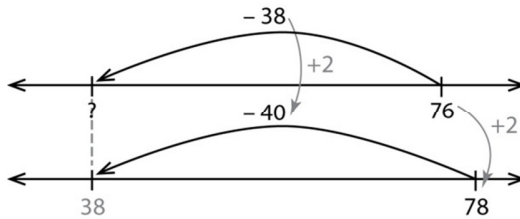


e) Whakamahia te rautaki a Hera hei whakaoti i ēnei tangohanga:

$$84 - 36 = \square$$



$$76 - 38 = \square$$



3. E whiriwhiri ana a Taioho i te tangohanga $46 - 29 = \square$.

Koia nei tana whiriwhiringa: $29 + \square = 46$

$$29 + \mathbf{1} + \mathbf{16} = 46$$

$$\text{Nō reira } 46 - 29 = 17$$

a) Whakamāramahia te rautaki a Taioho.

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

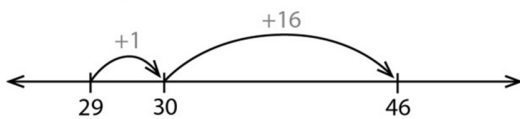
- He aha te hononga o ēnei whārite e rua?
- Nō hea te +1 me te +16 i te whārite tuarua?

He tauira whakamārama ā-kupu:

Ka hurihia te tangohanga hei tāpiritanga. Tāpiria te aha ki te 29 kia rite ki te 46? Tāpiria te 1, ka 30. He tau māmā tēnei. Tāpiria te 16 ki te 30 kia eke ki te 46. Hui katoa 17 i tāpiria atu. Nō reira, ko te 17 te otinga o te tangohanga.

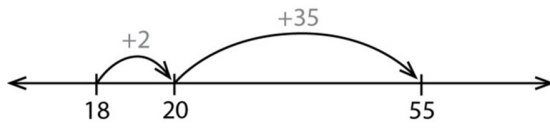
He tauira whakaahuahanga:

$$46 - 29 = \boxed{17}$$



e) Whakamahia te rautaki a Taioho hei whakaoti i ēnei tangohanga:

$$55 - 18 = \boxed{37}$$



$$73 - 56 = \boxed{17}$$

