Ihumanea Pāngarau
Te Tohu Ōrite
MĀ TE KAIAKO

Kia Mōhio te Ākonga ki:
- te tikanga o te tohu ōrite
- te tāpiri, te tango hoki i tētahi tau ngahuru

Kupu Matua:
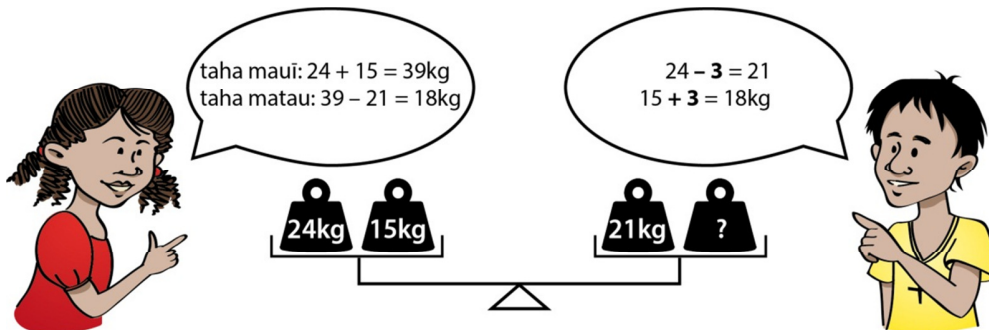rautaki, tohu ōrite, tāpiri tango, otinga, tapeke, whārite

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:
E rua ngā maihea e noho ana ki ia taha o te pūrere taurite nei. Kei te whiriwhiri a Hine rāua ko Tama i te taumaha o tētahi:

1. Whakamāramahia te rautaki a Hine.
   Tāpiria te 24 me te 15, hui katoa e 39kg kei te taha mauī. Tangohia te 21 i te 39 hei whiriwhiri i te maihea tuarua kei te taha matau. Ko te 18kg tērā.

   He pātai āwhina hei tuku mā te kaiako (ina hiahiatia):
   - He aha te tāpiritanga tuatahi a Hine?
   - Hui katoa, e hia te taumaha o ngā maihea e rua kei te taha matau?
   - He aha a Hine i tango ai i te 21 i te 39 hei whiriwhiri i te taha matau?

2. Whakamāramatia te rautaki a Tama.

E 3kg te taimāmā ake o te 21kg i te 24kg. Nō reira ka tāpiria taua 3kg ki te 15kg hei whiriwhiri i te maihea tuarua kei te taha matau.

He pātai āwhina hei tuku mā te kaiako (ina hiahiatia):
- Titiro ki ngā maihea tuatahi kei ia taha. E hia manokaramu te taumaha ake, te taimāmā ake rānei o tētahi i tētahi?
- He aha te hononga o ngā maihea tuatahi kei ia taha?
- Nō reira me pēhea te hononga o ngā maihea tuarua o ia taha, kia noho ōrite ai?

3. Koia nei te tuhinga poto hei whakaatu i te rautaki a Tama:

$$24 + 15 = 21 + \boxed{18}$$
with -3 above and $+3$ below

Whakamahia te rautaki a Tama hei whiriwhiri i te tau e ngaro ana i ēnei whārite:

a)

$$98 + 74 = \boxed{100} + 72$$
with -2 above and $+2$ below

e)

$$48 + 37 = 38 + \boxed{47}$$
with -10 above and $+10$ below

h)

$$58 + 29 = \boxed{60} + 27$$
with -2 above and $+2$ below

i)

$$56 + 98 = 54 + \boxed{100}$$
with -2 above and $+2$ below

4. Tuhia ētahi otinga rerekē e toru mō ia whārite:

Hei tauira:
a) 76 + **5** = 73 + **8**

76 + **15** = 73 + **18**

e) 154 + **10** = **5** + 159
   154 + **210** = **205** + 159

5. I tēnei whakaahua, e tohu ana te *h* i tētahi tau.
   DIAGRAM 3

   Koia nei ētahi whārite e rua e hāngai ana ki te whakaahua kei runga ake nei:

   $h + 5 = 32$ $\qquad\qquad$ $32 - 5 = h$

   a) Ko tēhea te whārite e pai ana hei whiriwhiri i te *h*?
      $32 - 5 = h$

   e) He aha te tau e rite ana ki te *h*?
      $32 - 5 = $ **27**

6. Tuhia he whārite hei whiriwhiri i te tau e hāngai ana ki te pū i ēnei whakaahua:
   a)
      $58 - 18 = m$
      $58 - 18 = 40$

   e)
      $72 - 42 = n$
      $72 - 42 = 30$

   h)
      $81 - 51 = k$
      $81 - 51 = 30$

   i)
      $42 - 30 = p$
      $42 - 30 = 12$