

➤ Notes for parents. Activity next page.

The purpose of this task is to help your child to:

- Work with algebraic equations involving variables, by having them interpret diagrams that visually represent equations
Understanding equations that include variables is an important part of algebra.

Think about this:

- Make sure that a pencil and paper are available.
- You might like to first try this task yourself, so that you are better placed to discuss it with your child.
- For each equation (and diagram) there is a range of possible answers. This range is narrowed if your child chooses to use whole numbers only.
Do encourage them to suggest some decimal values too.
- It is important that your child attempts the part of the task that requires them to write and draw an equation of their own. It is often in creating their example that the greatest learning occurs.

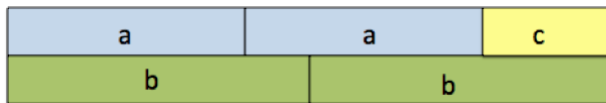
He taura kōrero Māori:

E rua ngā taha o tēnei whārite. Ko te $2a + c$ tētahi taha, ko te $2b$ tētahi taha.	There are two sides of this equation. $2a + c$ is on one side and $2b$ is on the other side.
He ōrite ia taha o te whārite.	Each side of the equation is equal.
Ko tā tāua mahi, he whiriwhiri i te uara o ngā pū kia ōrite ai ia taha o te whārite.	We have to work out the values for the letters so that each side of the equation is equal.
Titiro ki te hoahoa nei. Ko te kapa runga e tohu ana i te taha mauī o te whārite. Ko te kapa raro e tohu ana i te taha matau o te whārite.	Look at the diagram. The top row represents the left side of equation. The bottom row represents the right side of the equation.



Ko ngā pū kei roto i ēnei whārite e tohu ana i ētahi tau. Ko tāu mahi, he whiriwhiri i te uara o ngā tau. Kei raro iho i ngā whārite he hoahoa hei whakaahua i ngā whārite.

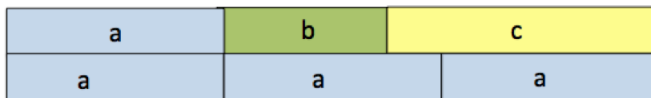
1. $2a + c = 2b$



Mēnā $b = 10$, he aha ētahi uara e rite ana ki te 'a' me te 'c' _____

Māu e tuhi tētahi uara mō te 'b', kātahi ka whiriwhiri i ētahi uara e rite ana ki te 'a' me te 'c'.

2. $a + b + c = 3a$



Mēnā $b = 10$, he aha ētahi uara e rite ana ki te 'a' me te 'c'? _____

Māu e tuhi tētahi uara mō te 'b', kātahi ka whiriwhiri i ētahi uara e rite ana ki te 'a' me te 'c'.

3. Māu e tuhi tāu ake whārite me te hoahoa e hāngai ana.

Whakaaturia ngā uara e rite ana ki ngā pū kei roto i tō whārite.

Whakamāramahia tō whārite.

