



Defining Variables And Forming Equations

Mana Maths

Te reo Māori terms



whārite

equation

Open in Te Aka

taurangi

variable

Open in Te Aka

kīanga

expression

Open in Te Aka

tau whakarea

coefficient

Open in Te Aka

Defining variables & forming equations — Foundation

1. Write an equation for: "x plus 3 equals 8".
2. If a number n plus 5 equals 12, write the equation.
3. Let t be the number of apples; write an expression for 2 more than t .
4. Write an equation: "a number plus 7 equals 14".
5. If m is a number and $m - 4 = 6$, write m as an equation and solve.

Defining variables & forming equations — Proficient

1. Write an equation for: "three times a number is 15".
2. Translate: "the total of m and 4 is 9".
3. A box has b marbles. Add 7 to make 20. Write an equation and solve.
4. Write and solve: "twice a number plus 3 equals 11".
5. Choose a variable for: "the difference between a number and 5 is 10".

Defining variables & forming equations — Excellence

1. A student writes $2x - 3 = 112$. for "twice a number decreased by 3 is 11". Are they correct? Solve.
- Let the first of two consecutive numbers be n . Write an equation if their sum is 17, then solve.
3. Write an equation for: "three less than a number equals twice another number" and give an example.