











Term 1: Equations & Inequalities Part 1

What do I need to be able to

do?

By the end of this unit you should be able

- Be able to use inverse operations and "operation families".
- Be able to substitute into single and two step function machines.
- Find functions from expressions.
- Form sequences from expressions
- Represent functions graphically.

Keywords

Function: a relationship that instructs how to get from an input to an output

Input: the number/symbol put into a function.

Output: the number/ expression that comes out of a function.

Operation: a mathematical process

Inverse: the operation that undoes what was done by the previous operation. (The opposite operation)

Commutative: the order of the operations do not matter.

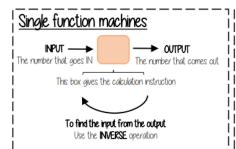
Substitute: replace one variable with a number or new variable.

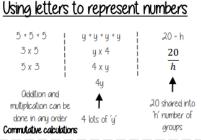
Expression: a maths sentence with a minimum of two numbers and at least one math operation (no equals sign)

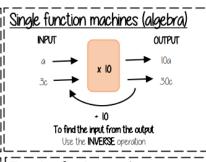
Evaluate: work out

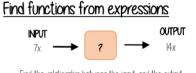
Linear: the difference between terms increases or decreases by the same value each time

Sequence: items or numbers put in a pre-decided order



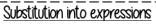






Find the relationship between the input and the output

Sometimes there can be a number of possible functions eg +7x or x 2 could both be solutions to the above function machine



= 7 - 2 = 5



If y = 7 this means the expression is asking for 4 Tots of 7

