

## Y7 Equality and Equivalence



## What do I need to be able to do?

By the end of this unit you should be able to:

- Form and solve linear equations
- Understand like and unlike terms
- Simplify algebraic expressions

## Keywords

The sum on the left has the same result as the sum on the right

Equality: two expressions that have the same value

Equation: a mathematical statement that two things are equal

Equals: represented by '=' symbol — means the same

Solution: the set or value that satisfies the equation

Solve: to find the solution.

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

11 Term: a single number or variable

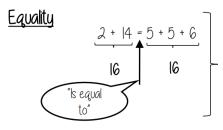
Equivalence

Check equivalence by substitution

Like: variables that are the same are 'like'

Coefficient: a multiplicative factor in front of a variable e.g. 5x (5 is the coefficient, x is the variable)

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



Saying it out loud sometimes helps you to understand equality

