

# YEAR 11 — CHANGING THE SUBJECT

By the end of this unit you should be able to:	MathsWatch clip	Video tutorial
• Solve linear equations	<a href="#">135a</a>	
• Solve linear inequakities	<a href="#">139</a>	<a href="#">Corbett</a>
• Form & solve equations & inequalities in context of shape	<a href="#">137</a>	
• Change the subject of a simple formula	<a href="#">136</a>	<a href="#">Corbett</a>
• Change the subject of a complex formula		
• Change the subject when the subject appears more than once (H)	<a href="#">190</a>	<a href="#">Corbett</a>
• Solve equations by iteration (H)	<a href="#">180</a>	<a href="#">Corbett</a>

Make  $x$  the subject of the following formula:

$$y = \frac{x}{ab} + c$$

## Keywords

**Expand:** multiply out terms to remove brackets

**Coefficient:** the number in front of a letter in an algebraic term, such as  $5x^3$

**Rearrange:** change the subject of an equation by writing it in a different way

**Iterate:** keep repeating a process

**Converge:** tend towards a particular value