

Rearranging Equations

Rearranging equations means we **change the subject** of the equation to display it in a different way. We move variables and constants (numbers) to the other side of the equation to leave the variable we want by itself.

 **Example** Make a the subject of $b = 2a - 3$

$$b = 2a - 3$$

+3

+3

$$b + 3 = 2a$$

÷2

÷2

$$\frac{b + 3}{2} = a$$

↑
Here b is the subject, because it is the single variable equal to everything else. We want to rearrange to write an expression with the variable a equal to everything else.