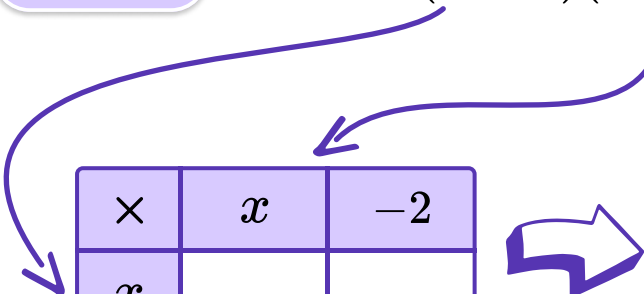


# Expanding Double Brackets

To **expand double brackets** we multiply each term inside of the first bracket by each term inside of the second bracket. We can use a grid to help.

 **Example**

Expand  $(x + 3)(x - 2)$




$\times$	$x$	$-2$
$x$		
$+3$		

 multiply terms

$\times$	$x$	$-2$
$x$	$x^2$	$-2x$
$+3$	$+3x$	$-6$

 write the expression

$$x^2 - 2x + 3x - 6$$

 collect like terms

$$x^2 + x - 6$$