

# Fill in the Blanks

# Expanding Single Brackets

Brackets	Grid			Expanded
$5(x + 2)$	×	$x$	$+2$	$5x + 10$
	5	$5x$	$+10$	
$6(x - 4)$	×	$x$	$-4$	$6x - 24$
	6	$6x$	$-24$	
$7(y - x)$	×	$y$	$-x$	$7y - 7x$
	7	$7y$	$-7x$	
$2(x + 5y)$	×	$x$	$5y$	$2x + 10y$
	2	$2x$	$10y$	
$-4(x + 9)$	×	$x$	$+9$	$-4x - 36$
	-4	$-4x$	$-36$	
$-3(5 - y)$	×	5	$-y$	$-15 + 3y$
	-3	$-15$	$+3y$	

Brackets	Grid			Expanded
$x(5 + x)$	×	5	$+x$	$5x + x^2$
	$x$	$5x$	$+x^2$	
$7y(y - 3)$	×	$y$	$-3$	$7y^2 - 21y$
	$7y$	$7y^2$	$-21y$	
$-2x(4 + x)$	×	4	$+x$	$-8x - 2x^2$
	$-2x$	$-8x$	$-2x^2$	
$5x(3x - 2y)$	×	$3x$	$-2y$	$15x^2 - 10xy$
	$5x$	$15x^2$	$-10xy$	
$-2xy(3y - x^2)$	×	$3y$	$-x^2$	$-6xy^2 + 2x^3y$
	$-2xy$	$-6xy^2$	$+2x^3y$	
$2x(2y - x^2)$	×	$2y$	$-x^2$	$4xy - 2x^3$
	$2x$	$4xy$	$-2x^3$	