

Fill in the Blanks

Expanding Double Brackets

Double Brackets Form	Grid			Expanded Form	Simplified Expanded Form
$(a + b)(2a + b)$	×	a	$+b$	$2a^2 + 2ab + ab + b^2$	$2a^2 + 3ab + b^2$
	$2a$	$2a^2$	$+2ab$		
	$+b$	$+ab$	$+b^2$		
$(3x - y)(x + 2y)$	×	$3x$	$-y$	$3x^2 - xy + 6xy - 2y^2$	$3x^2 + 5x - 2y^2$
	x	$3x^2$	$-xy$		
	$+2y$	$+6xy$	$-2y^2$		
$(3 - x)(y + 5)$	×	3	$-x$	$3y - 5x - xy + 15$	$3y - 5x - xy + 15$
	y	$3y$	$-xy$		
	$+5$	$+15$	$-5x$		
$(a + b)(c - d)$	×	a	$+b$	$ac + bc - ad - bd$	$ac + bc - ad - bd$
	c	ac	$+bc$		
	$-d$	$-ad$	$-bd$		
$(x^2 + 7)(5 - y)$	×	x^2	$+7$	$5x^2 + 35 - x^2y - 7y$	$5x^2 + 35 - x^2y - 7y$
	5	$5x^2$	$+35$		
	$-y$	$-x^2y$	$-7y$		
$(ab + 4)(3c - 2d)$	×	ab	$+4$	$3abc + 12c - 2abd - 8d$	$3abc + 12c - 2abd - 8d$
	$3c$	$3abc$	$+12c$		
	$-2d$	$-2abd$	$-8d$		