



Fill In The Blanks...



Expanding Double Brackets

Double Brackets Form	Grid			Expanded Form	Simplified Expanded Form
$(x + 2)(x + 3)$	×	x	+2	$x^2 + 2x + 3x + 6$	$x^2 + 5x + 6$
	x	x^2	+2x		
	+3	+3x	+6		
$(x + 7)(x + 4)$	×	x	+7	$x^2 + 7x + 4x + 28$	$x^2 + 11x + 28$
	x	x^2	+7x		
	+4	+4x	+28		
$(x + 6)(x + 2)$	×	x	+6	$x^2 + 6x + 2x + 12$	$x^2 + 8x + 12$
	x	x^2	+6x		
	+2	+2x	+12		
$(x + 5)(x - 3)$	×	x	+5	$x^2 + 5x - 3x - 15$	$x^2 + 2x - 15$
	x	x^2	+5x		
	-3	-3x	-15		
$(x - 4)(x + 9)$	×	x	-4	$x^2 - 4x + 9x - 36$	$x^2 + 5x - 36$
	x	x^2	-4x		
	+9	+9x	-36		
$(x + 1)(x - 3)$	×	x	+1	$x^2 + x - 3x - 3$	$x^2 - 2x - 3$
	x	x^2	+x		
	-3	-3x	-3		

Double Brackets Form	Grid			Expanded Form	Simplified Expanded Form
$(x - 5)(x + 2)$	×	x	-5	$x^2 - 5x + 2x - 10$	$x^2 - 3x - 10$
	x	x^2	$-5x$		
	$+2$	$+2x$	-10		
$(x - 4)(x - 6)$	×	x	-4	$x^2 - 4x - 6x + 24$	$x^2 - 10x + 24$
	x	x^2	$-4x$		
	-6	$-6x$	$+24$		
$(x - 1)(x - 7)$	×	x	-1	$x^2 - x - 7x + 7$	$x^2 - 8x + 7$
	x	x^2	$-x$		
	-7	$-7x$	$+7$		
$(x - 5)(x - 8)$	×	x	-5	$x^2 - 5x - 8x + 40$	$x^2 - 13x + 40$
	x	x^2	$-5x$		
	-8	$-8x$	$+40$		
$(x + 5)(x + 6)$	×	x	$+5$	$x^2 + 5x + 6x + 30$	$x^2 + 11x + 40$
	x	x^2	$+5x$		
	$+6$	$+6x$	$+30$		
$(x + 7)(x - 3)$	×	x	$+7$	$x^2 + 7x - 3x - 21$	$x^2 + 4x - 21$
	x	x^2	$+7x$		
	-3	$-3x$	-21		
$(x + 8)(x + 3)$	×	x	$+8$	$x^2 + 8x + 3x + 24$	$x^2 + 11x + 24$
	x	x^2	$+8x$		
	$+3$	$+3x$	$+24$		