

Fill in the Blanks

Factorising Quadratics

Quadratic Expression	Sum	Product	Pair of Values		Factorised Expression
$x^2 + 8x + 15$	+8	+15	+5	+3	$(x + 5)(x + 3)$
$x^2 + 5x + 6$	+5	+6	+3	+2	$(x + 3)(x + 2)$
$x^2 + 6x + 5$	+6	+5	+5	+1	$(x + 5)(x + 1)$
$x^2 + 10x + 21$	+10	+21	+7	+3	$(x + 7)(x + 3)$
$x^2 + 14x + 24$	+14	+24	+12	+2	$(x + 12)(x + 2)$
$x^2 - 7x + 10$	-7	+10	-5	-2	$(x - 5)(x - 2)$
$x^2 - 11x + 18$	-11	+18	-9	-2	$(x - 9)(x - 2)$
$x^2 + 3x - 10$	+3	-10	+5	-2	$(x + 5)(x - 2)$
$x^2 + 3x - 18$	+3	-18	+6	-3	$(x + 6)(x - 3)$
$x^2 + 11x + 18$	+11	+18	+9	+2	$(x + 9)(x + 2)$
$x^2 - 4x - 21$	-4	-21	-7	+3	$(x - 7)(x + 3)$
$x^2 - 8x - 9$	-8	-9	-9	+1	$(x - 9)(x + 1)$
$x^2 - 6x + 9$	-6	+9	-3	-3	$(x - 3)(x - 3)$
$x^2 + x - 20$	+1	-20	+5	-4	$(x + 5)(x - 4)$
$x^2 - x - 6$	-1	-6	-3	+2	$(x - 3)(x + 2)$
$x^2 - 19x - 42$	-19	-42	-21	+2	$(x - 21)(x + 2)$
$x^2 - 11x + 24$	-11	+24	-8	-3	$(x - 8)(x - 3)$
$x^2 + 4x - 5$	+4	-5	-1	+5	$(x - 1)(x + 5)$