MULTIPLYING BRACKETS
DOUBLE BRACKETS

NO CALCULATOR

Ref: G232. **1S1**

A1 Expand $(x + 2)(x + 4)$	**A2** Expand $(x - 5)(x + 7)$	**A3** Expand $(x + 7)^2$	**A4** Expand $(x - 4)(x - 5)$
B1 Expand $(x + 8)(x - 3)$	**B2** Expand $(x - 3)(x - 2)$	**B3** Expand $(2x + 5)(x - 6)$	**B4** Expand $(x - 5)^2$
C1 Expand $(x - 8)(x + 3)$	**C2** Expand $(x + 1)^2$	**C3** Expand $(x - 8)(x - 9)$	**C4** Expand $(x + 8)(x + 3)$
D1 Expand $(x - 4)^2$	**D2** Expand $(3x - 1)(x - 8)$	**D3** Expand $(x + 9)(x - 9)$	**D4** Expand $(x - 6)(x + 6)$
E1 Expand $(5x + 3)(x + 2)$	**E2** Expand $(x + 7)(x + 6)$	**E3** Expand $(x + 3)(x + 8)$	**E4** Expand $(4x - 9)(x + 4)$

MULTIPLYING BRACKETS
DOUBLE BRACKETS

Ref: G232. **1S1**

A1 Expand
$(x + 2)(x + 4)$

$x^2 + 4x + 2x + 8$

$x^2 + 6x + 8$

A2 Expand
$(x - 5)(x + 7)$

$x^2 + 7x - 5x - 35$

$x^2 + 2x - 35$

A3 Expand
$(x + 7)^2 = (x + 7)(x + 7)$

$x^2 + 7x + 7x + 49$

$x^2 + 14x + 49$

A4 Expand
$(x - 4)(x - 5)$

$x^2 - 5x - 4x + 20$

$x^2 - 9x + 20$

B1 Expand   Compare
$(x + 8)(x - 3)$

$x^2 - 3x + 8x - 24$

$x^2 + 5x - 24$

B2 Expand
$(x - 3)(x - 2)$

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

$x^2 - 5x + 6$

B3 Expand
$(2x + 5)(x - 6)$

$2x^2 - 12x + 5x - 30$

$2x^2 - 7x - 30$

B4 Expand
$(x - 5)^2 = (x - 5)(x - 5)$

$x^2 - 5x - 5x + 25$

$x^2 - 10x + 25$

C1 Expand   Compare
$(x - 8)(x + 3)$

$x^2 + 3x - 8x - 24$

$x^2 - 5x - 24$

C2 Expand
$(x + 1)^2 = (x + 1)(x + 1)$

$x^2 + x + x + 1$

$x^2 + 2x + 1$

C3 Expand
$(x - 8)(x - 9)$

$x^2 - 9x - 8x + 72$

$x^2 - 17x + 72$

C4 Expand   Compare
$(x + 8)(x + 3)$

$x^2 + 3x + 8x + 24$

$x^2 + 11x + 24$

D1 Expand
$(x - 4)^2 = (x - 4)(x - 4)$

$x^2 - 4x - 4x + 16$

$x - 8x + 16$

D2 Expand
$(3x - 1)(x - 8)$

$3x^2 - 24x - x + 8$

$3x^2 - 25x + 8$

D3 Expand   Compare
$(x + 9)(x - 9)$

$x^2 - 9x + 9x - 81$

$x^2 - 81$

D4 Expand   Compare
$(x - 6)(x + 6)$

$x^2 + 6x - 6x - 36$

$x^2 - 36$

E1 Expand
$(5x + 3)(x + 2)$

$5x^2 + 10x + 3x + 6$

$5x^2 + 13x + 6$

E2 Expand
$(x + 7)(x + 6)$

$x^2 + 6x + 7x + 42$

$x^2 + 13x + 42$

E3 Expand   Compare
$(x + 3)(x + 8)$

$x^2 + 8x + 3x + 24$

$x^2 + 11x + 24$

E4 Expand
$(4x - 9)(x + 4)$

$4x^2 + 16x - 9x - 36$

$4x^2 + 7x - 36$

Worksheets, Interactive Quizzes and Exam Solutions