



EXPANDING BRACKETS

TWO SINGLE BRACKETS

Ref: G226. **3S1**

A1 Expand and simplify $4(x+3)+5(x+2)$	A2 Expand and simplify $3(x+1)-2(x+3)$	A3 Expand and simplify $2(x+7)+(x-3)$	A4 Expand and simplify $5(x+2)-3(x-5)$
B1 Expand and simplify $4(y+5)-3(y+4)$	B2 Expand and simplify $(y+3)-(y-2)$	B3 Expand and simplify $5(y+2)+2(y-5)$	B4 Expand and simplify $(y-2)-6(y-4)$
C1 Expand and simplify $4(a+1)-2(a-1)$	C2 Expand and simplify $3(f+6)-2(f+9)$	C3 Expand and simplify $7(p-2)-3(p-1)$	C4 Expand and simplify $5(q-1)-2(1-q)$
D1 Expand and simplify $2(3b-1)+(b+9)$	D2 Expand and simplify $5(k-3)-4(3k+2)$	D3 Expand and simplify $3(2h+3)-2(3h-2)$	D4 Expand and simplify $3(4m-6)-2(6m-9)$



EXPANDING BRACKETS

TWO SINGLE BRACKETS

Ref: G226. **3S1**

<p>A1 Expand and simplify $4(x+3)+5(x+2)$</p> <p>$4x+12$ $+5x+10$</p> <p>= $9x+22$</p>	<p>A2 Expand and simplify $3(x+1)-2(x+3)$</p> <p>$3x+3$ $-2x-6$</p> <p>= $x-3$</p>	<p>A3 Expand and simplify $2(x+7)+(x-3)$</p> <p>$2x+14$ $+x-3$</p> <p>= $3x+11$</p>	<p>A4 Expand and simplify $5(x+2)-3(x-5)$</p> <p>$5x+10$ $-3x+15$</p> <p>= $2x+25$</p>
<p>B1 Expand and simplify $4(y+5)-3(y+4)$</p> <p>$4y+20$ $-3y-12$</p> <p>= $y+8$</p>	<p>B2 Expand and simplify $(y+3)-(y-2)$</p> <p>$y+3$ $-y+2$</p> <p>= 5</p>	<p>B3 Expand and simplify $5(y+2)+2(y-5)$</p> <p>$5y+10$ $+2y-10$</p> <p>= $7y$</p>	<p>B4 Expand and simplify $(y-2)-6(y-4)$</p> <p>$y-2$ $-6y+24$</p> <p>= $-5y+22$</p>
<p>C1 Expand and simplify $4(a+1)-2(a-1)$</p> <p>$4a+4$ $-2a+2$</p> <p>= $2a+6$</p>	<p>C2 Expand and simplify $3(f+6)-2(f+9)$</p> <p>$3f+18$ $-2f-18$</p> <p>= f</p>	<p>C3 Expand and simplify $7(p-2)-3(p-1)$</p> <p>$7p-14$ $-3p+3$</p> <p>= $4p-9$</p>	<p>C4 Expand and simplify $5(q-1)-2(1-q)$</p> <p>$5q-5$ $-2+2q$</p> <p>= $7q-7$</p>
<p>D1 Expand and simplify $2(3b-1)+(b+9)$</p> <p>$6b-2$ $+b+9$</p> <p>= $7b+7$</p>	<p>D2 Expand and simplify $5(k-3)-4(3k+2)$</p> <p>$5k-15$ $-12k-8$</p> <p>= $-7k-23$</p>	<p>D3 Expand and simplify $3(2h+3)-2(3h-2)$</p> <p>$6h+9$ $-6h+4$</p> <p>= 13</p>	<p>D4 Expand and simplify $3(4m-6)-2(6m-9)$</p> <p>$12m-18$ $-12m+18$</p> <p>= 0 [Can you explain this answer?]</p>