



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 $3(4m-6)-2(6m-9)$
2(3b-1)+(b+9)	5(k-3)-4(3k+2)	3(2h+3)-2(3h-2)	3(4m-6)-2(6m-9)

EXPANDING BRACKETS

TWO SINGLE BRACKETS

Ref: G226.3**S1**

A1	Expand and simplify		
4(x+3)+5(x+2)			
		4	
4x + 12		+5x + 10	

$$= 9x + 22$$

A2 Expand and simplify
$$3(x+1)-2(x+3)$$

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

$$=x-3$$

A3 Expand and simplify
$$2(x+7)+(x-3)$$

$$= 3x + 11$$

$$5(x+2)-3(x-5)$$
 $5x+10$
 $-3x+15$

$$= 2x + 25$$

B1 Expand and simplify
$$4(y+5)-3(y+4)$$

$$4y+20 \qquad -3y-12$$

$$=y+8$$

$$(y+3)-(y-2)$$
 $y+3$ $-y+2$

$$5(y+2)+2(y-5)$$

 $5y+10 +2y-10$

$$=7y$$

$$(y-2)-6(y-4)$$

 $y-2$ $-6y+24$

$$=-5y+22$$

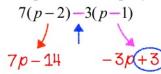
$$4(a+1)-2(a-1)$$
 $4a+4$
 $-2a+2$

$$= 2a + 6$$

$$3(f+6)-2(f+9)$$
 $f+18$
 $-2f-18$

$$=f$$

C3 Expand and simplify



$$=4p-9$$

$$5(q-1)-2(1-q)$$
 $5q-5$
 $-2(+2q)$

$$=7q-7$$

D1 Expand and simplify
$$2(3b-1)+(b+9)$$

$$6b-2 + b+9$$

$$=7b+7$$

D2 Expand and simplify
$$5(k-3)-4(3k+2)$$



$$=-7k-23$$

$$3(2h+3)-2(3h-2)$$
 $6h+9$
 $-6h+4$

$$= 13$$

$$3(4m-6)-2(6m-9)$$

$$12m-18$$
 $-12m+18$

[Can you explain this answer?]