



## FACTORISING NUMERICAL FACTORS

Ref: G226. **4S1**

<b>A1</b> Factorise: $2x - 12$	<b>A2</b> Factorise: $3x - 21$	<b>A3</b> Factorise: $10 - 5x$	<b>A4</b> Factorise: $7x + 7y$
<b>B1</b> Factorise fully: $12x + 6$	<b>B2</b> Factorise: $5 - 25x$	<b>B3</b> Factorise: $10x - 25y$	<b>B4</b> Factorise: $6x + 15$
<b>C1</b> Factorise: $20x - 15$	<b>C2</b> Factorise: $14x + 21y$	<b>C3</b> Factorise fully: $12 - 20x$	<b>C4</b> Factorise fully: $9x + 9$
<b>D1</b> Factorise fully: $36x + 42$	<b>D2</b> Factorise fully: $32 - 56x$	<b>D3</b> Factorise fully: $42x + 28$	<b>D4</b> Factorise fully: $72x - 40$
<b>E1</b> Factorise: $4x + 10y - 8$	<b>E2</b> Factorise fully: $12x - 8y + 16$	<b>E3</b> Factorise: $12w + 3x - 9y$	<b>E4</b> Factorise fully: $40 - 56x - 24y$



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<b>A1</b> Factorise: $2x - 12 = 2(x - 6)$	<b>A2</b> Factorise: $3x - 21 = 3(x - 7)$	<b>A3</b> Factorise: $10 - 5x = 5(2 - x)$	<b>A4</b> Factorise: $7x + 7y = 7(x + y)$
<b>B1</b> Factorise fully: $12x + 6 = 6(2x + 1)$	<b>B2</b> Factorise: $5 - 25x = 5(1 - 5x)$	<b>B3</b> Factorise: $10x - 25y = 5(2x - 5y)$	<b>B4</b> Factorise: $6x + 15 = 3(2x + 5)$
<b>C1</b> Factorise: $20x - 15 = 5(4x - 3)$	<b>C2</b> Factorise: $14x + 21y = 7(2x + 3y)$	<b>C3</b> Factorise fully: $12 - 20x = 4(3 - 5x)$	<b>C4</b> Factorise fully: $9x + 9 = 9(x + 1)$
<b>D1</b> Factorise fully: $36x + 42 = 6(6x + 7)$	<b>D2</b> Factorise fully: $32 - 56x = 8(4 - 7x)$	<b>D3</b> Factorise fully: $42x + 28 = 14(3x + 2)$	<b>D4</b> Factorise fully: $72x - 40 = 8(9x - 5)$
<b>E1</b> Factorise: $4x + 10y - 8 = 2(2x + 5y - 4)$	<b>E2</b> Factorise fully: $12x - 8y + 16 = 4(3x - 2y + 4)$	<b>E3</b> Factorise: $12w + 3x - 9y = 3(4w + x - 3y)$	<b>E4</b> Factorise fully: $40 - 56x - 24y$ $= 8(5 - 7x - 3y)$