

Expanding Double Brackets

Expand the double brackets, writing your answer in its fully simplified form. Then, use the key to shade each section in the correct colour.

Colour	Coefficient in front of x when fully simplified
Black	6
Red	-8, 10 or 12
Pink	2, 3 or 5
Yellow	4
Dark Red	More than 12
White	7

Example: $(x + 5)(x + 2) = x^2 + 5x + 2x + 10$

This will simplify to $x^2 + 7x + 10$ so the coefficient in front of x is 7.

Or: $(x - 10)(x + 2) = x^2 - 10x + 2x - 20$

This will simplify to $x^2 - 8x - 20$ so the coefficient in front of x is -8.

