## **Expanding Brackets**

Expanding / multiplying out brackets is <u>a key algebra skill</u>! You need to multiply the expression outside of the bracket by everything that is inside of the bracket.

So for example;

 $4n(n+2) = 4n_2 + 8n$ 

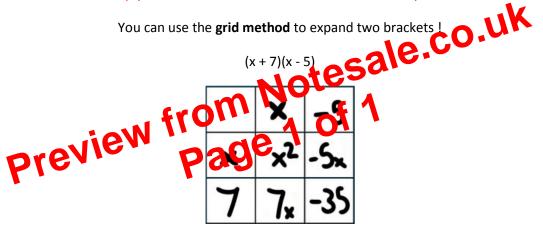
The term 'Expand and simplify' basically means to 'multiply out then collect the terms'

## **Golden Rule**

When you expand you need to be careful with negative signs in front of the bracket, they belong to the term to their right.

$$x - 2(x - y) = x - 2x + 2y$$
  
= -x + 2y

Multiply out the bracket first then collect the terms if possible.



Remeber, the negative belongs to the 5 ! You need to write it in your grid.