



Fill In The Blanks...



Expanding Double Brackets

| Double Brackets Form | Grid | | | Expanded Form | Simplified Expanded Form |
|----------------------|------|--------|--------|---------------------|--------------------------|
| $(x + 2)(x + 3)$ | × | x | +2 | $x^2 + 2x + 3x + 6$ | |
| | x | x^2 | +2 x | | |
| | +3 | +3 x | +6 | | |
| $(x + 7)(x + 4)$ | × | x | +7 | | |
| | x | x^2 | +7 x | | |
| | +4 | +4 x | +28 | | |
| $(x + 6)(x + 2)$ | × | x | +6 | | |
| | x | | | | |
| | +2 | | | | |
| $(x + 5)(x - 3)$ | × | x | +5 | | |
| | x | | | | |
| | -3 | -3 x | -15 | | |
| $(x - 4)(x + 9)$ | × | x | -4 | | |
| | x | | | | |
| | +9 | | | | |
| $(x + 1)(x - 3)$ | × | x | +1 | | |
| | x | | | | |
| | -3 | | | | |

| Double Brackets Form | Grid | | | Expanded Form | Simplified Expanded Form |
|----------------------|------|-------|-------|----------------------|--------------------------|
| $(x - 5)(x + 2)$ | × | x | -5 | | |
| | x | | | | |
| | $+2$ | | | | |
| $(x - 4)(x - 6)$ | × | x | -4 | | |
| | x | | $-4x$ | | |
| | -6 | $-6x$ | $+24$ | | |
| $(x - 1)(x - 7)$ | × | x | -1 | | |
| | x | | | | |
| | -7 | | | | |
| $(x - 5)(x - 8)$ | × | x | -5 | | |
| | x | | | | |
| | -8 | | | | |
| | × | | | $x^2 + 5x + 6x + 30$ | |
| | | | | | |
| | | | | | |
| | × | | | $x^2 + 7x - 3x - 21$ | |
| | | | | | |
| | | | | | |
| | × | | | | $x^2 + 11x + 24$ |
| | | | | | |
| | | | | | |