

Expanding Double Brackets

1

Expand and simplify $(x + 3)(x + 5)$

×	x	+5
x		
+3		

Answer _____

2

Expand and simplify $(x + 4)(x + 2)$

×	x	+2
x		
+4		

Answer _____

3

Expand and simplify $(x + 6)(x + 1)$

×	x	+1
x		
+6		

Answer _____

4

Expand and simplify $(x + 5)(x - 3)$

×	x	-3
x		
+5		

Answer _____

5

Expand and simplify $(x - 4)(x + 7)$

×		

Answer _____

6

Expand and simplify $(x - 2)(x - 6)$

×		

Answer _____

7

A rectangle has sides of $(x + 3)$ and $(x + 5)$. Write an expression for its area. Expand and simplify.

Answer _____

8

Expand and simplify $(x + 4)^2$

Answer _____

Expanding Double Brackets *further practice*

9

Expand and simplify $(x - 3)(x - 8)$

Answer _____

10

A poster is $(2x + 3)$ cm wide and $(x + 4)$ cm tall. Write an expression for its area. Expand and simplify.

Answer _____

11

Expand and simplify $(x + 7)(x - 7)$

Answer _____

12

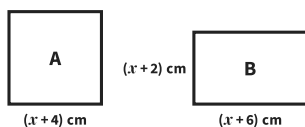
Find the missing number.

$$(x + 3)(x + \boxed{}) = x^2 + 10x + 21$$

Answer _____

13

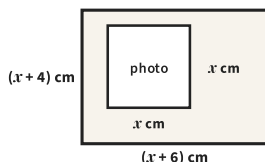
A is a square and B is a rectangle. Which has the bigger area, and by how much?



Answer _____

14

A square photo with sides of x cm is stuck on a rectangle of card. Find an expression for the area of card that is not covered by the photo.



Answer _____

15

Expand and simplify $(x + 5)^2 - (x + 1)(x + 3)$

Answer _____

16

Ollie says $(x + 3)^2 = x^2 + 9$. Is Ollie right? Explain.

Answer _____